

### **Minutes of 444<sup>th</sup> SEAC Meeting Dated 08/01/2020**

The 444<sup>th</sup> meeting of SEAC was held in Directorate of Environment, U.P. 08/01/2020 following members were present in the SEAC:

- |    |                           |          |
|----|---------------------------|----------|
| 1. | Dr. (Prof.) S.N. Singh,   | Chairman |
| 2. | Dr. Sarita Sinha,         | Member   |
| 3. | Dr. Virendra Misra,       | Member   |
| 4. | Dr. Pramod Kumar Mishra,  | Member   |
| 5. | Dr. Ranjeet Kumar Dalela, | Member   |
| 6. | Dr. Ajoy Kumar Mandal,    | Member   |
| 7. | Shri Meraj Uddin,         | Member   |
| 8. | Shri Rajive Kumar,        | Member   |

The Chairman welcomed the members to the 444<sup>th</sup> SEAC meeting.

The SEAC unanimously took following decisions on the agenda points discussed:

**1. Common Hazardous Waste Treatment Storage and Disposal Facility (CHW-TSDF) at Khata Number-941, 942 and 944, Village-Kharpadi, Tehsil-Hasanpur, District-Amroha, U.P. M/s Sangam Mediserve Pvt. Ltd. File No. 4484/Proposal No. SIA/UP/MIS/27804/2018**

A presentation was made by the project proponent along with their consultant M/s Shivalik Solid Waste Management Limited. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for Common Hazardous Waste Treatment Storage and Disposal Facility (CHW-TSDF) at Khata Number-941, 942 and 944, Village-Kharpadi, Tehsil-Hasanpur, District-Amroha, U.P. M/s Sangam Mediserve Pvt. Ltd.
2. Terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 743/ Parya/ SEAC/ 4484/ 2018, dated 09/03/2019.
3. Public Hearing was held on 13.09.2019 at Collectorate office, Distt. Amroha, Uttar Pradesh under the Chairmanship of DM, Amroha.
4. EIA report submitted by the project proponent on 15/11/2019.
5. The proposed capacity of landfill (Phase-I) will be 7.1 lacs MT of hazardous wastes which will be disposed scientifically at a secured landfill.
6. Salient features of the project:

Proposed plant capacity	Proposed Capacity of secured landfill: Void space (m <sup>3</sup> ): 48000 Landfill Capacity :7.1 Lakh MT (Waste density 1.5 mg/m <sup>3</sup> )
Total Area & Land Classification	Area = 3.867 Ha (38670 Sq. Meters.). The project is proposed to be located on agriculture land.
Location	Topographically the area is flat terrain and the elevation of the plant site is between 204 - 205 m above Mean Sea Level. Site is locate in Top sheet No – 53L/7
Water requirement	The daily water demand of 50 KLD will meet through bore well. Necessary permission from CGWA will be taken for the necessary abstraction of ground

	water.
Wastewater	Leachate / Effluent from landfill will be treated in the MEE.
Man Power	Construction phase: 40- 50 workmen Operation phase: 60 workmen
Electricity/Power requirement	Initially 62.5 KVA power is required. Additionally 100 KVA will be added. Supply source – Paschimanchal Vidyut Vitran Nigam Ltd.(PVVNL). In case of power failure, D.G. Set of 62.5 KVA capacity.
Nearest Settlement (Aerial distance)	Village Guretha -0.8 Km, Hasanpur approximately 25 kms (aerial distance) in NE direction. Nearest City & District Headquarters is Amroha approximately 50 kms (aerial distance) in the NW direction
Project Cost	The estimated cost of the Project is about Rs. 40.00 crores (TSDF Phase-I).
Nearest Railway Station (Aerial distance)	Nearest Railway Station is Gajraula about 35 km (Aerial distance) from project site towards North East direction. Major railway station is Ghaziabad at 100 km in North West direction.
Nearest Airport (Aerial distance)	Indira Gandhi International Airport New Delhi is located at 140 km (Aerial) in the South West Direction.
Nearest Highway/Road (Aerial distance)	The nearest State Highway is (SH) at 1km in the west direction and same connected to NH – 24 at Gajraulla about 35 KM.
Nearest Streams/Rivers	Mahawa Nadi – 3 km, West Ganga River– 5 km, West

7. The project falls under category 7 (d) of EIA Notification dated 14th September, 2006 (as amended).

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

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

- I. Piezoelectric bells should be provided as per rules with location map.
- II. Specific pesticides shall be analysed as mentioned.
- III. A comparatively list of waste shall be provided to assess fire and exploration.
- IV. Statutory compliance:
  1. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
  2. The Project proponent should ensure that the TSDF fulfils all the provisions of Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016.
  3. The project proponents shall adhere to all conditions as prescribed in the Protocol for 'Performance Evaluation and Monitoring of the Common Hazardous waste treatment, storage and disposal facilities' published by the CPCB in May, 2010.
  4. Incinerator shall be designed as per CPCB guidelines. Energy shall be recovered from incinerator.
  5. 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.
  6. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
  7. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable by project proponents from the respective competent authorities.
  8. Online real time continuous monitoring facilities shall be provided as per the CPCB or State Board Directions.

9. Project should ensure that the site is properly cordoned off from general movement and no unauthorized person or goods permitted to enter the premises. Necessary security provision should be made as a condition in the Authorization under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 to prevent unwanted access.
10. The TSDF should only handle the waste generated from the member units.

V. Air quality monitoring and preservation:

1. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.
3. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120 each), covering upwind and downwind directions.
4. Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.
5. 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.
6. Appropriate Air Pollution Control (As proposed, air pollution control device viz. gas quencher; treatment with mixture of hydrated lime and activated powder for adsorption of partial acidity and VOCs (if any); bagfilter/ESP for removal of particulate matter; venturi scrubber followed by packed bed scrubber with caustic circulation to neutralize the acidic vapours in flue gas; and demister column for arresting water carry over will be provided to the incinerator) 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.
7. The periodical monitoring of Dioxins and Furans in the Stack emissions shall be carried out. Analysis of Dioxins and Furans shall be done through CSIR — National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram or equivalent NABL Accredited laboratory
8. Gas generated in the Land fill should be properly collected, monitored and flared.
9. Ambient air quality monitoring shall be carried out in and around the landfill site at up wind and downwind locations.
10. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 02 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 02 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

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

1. The project proponent shall install continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2. Sufficient number of Piezometer wells shall be installed in and around the project site to monitor the ground water quality in consultation with the State Pollution Control Board / CPCB. Trend analysis of ground water quality shall be carried out each season and information shall be submitted to the SPCB and the Regional Office of MoEF&CC.
3. 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.
4. No discharge in nearby river(s)/pond(s).
5. The depth of the land fill site shall be decided based on the ground water table at the site.
6. The Company shall ensure proper handling of all spillages by introducing spill control procedures for various chemicals.
7. All leachates arising from premises should be collected and treated in the ETP followed by RO. RO rejects shall be evaporated in MEE. Toxicity Characteristic Leaching Procedure (TCLP) test to be performed on leachates.
8. The Company shall review the unit operations provided for the treatment of effluents, specially the sequencing of MEE after tertiary treatment, the source of permeate when no R.O. is recommended and the treatment of MEE condensate. The scheme for treatment of effluents shall be as permitted by the Pollution Control Board/Committee under the provisions of consent to establish.
9. Scrubber water, leachate water or wheel wash effluent shall be treated in the effluent treatment plant followed by RO to achieve zero liquid discharge.
10. Total fresh water use shall not exceed the proposed requirement as provided in the project details. Prior permission from competent authority shall be obtained for use of fresh water.
11. Sewage Treatment Plant shall be provided to treat the wastewater generated from the project. Treated water shall be reused within the project.
12. A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point should be obtained.
13. Rain water runoff from the landfill area and other hazardous waste management area shall be collected and treated in the effluent treatment plant.

**VII. Noise monitoring and prevention:**

1. 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.
2. 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.
3. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

**VIII. Energy Conservation measures:**

1. Energy conservation measures like installation of LED/CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning.

**IX. Waste management:**

1. The TSDF should only handle the waste generated from the member units.
2. Periodical soil monitoring to check the contamination in and around the site shall be carried out.
3. Environmental Monitoring Programme shall be implemented as per the EIA report and guidelines prescribed by CPCB for hazardous waste facilities. Periodical ground water/soil monitoring to check the contamination in and around the site shall be carried out.
4. No non-hazardous wastes, as defined under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, shall be handled in the premises.
5. The Project proponent shall not store the Hazardous Wastes more than the quantity that has been permitted by the CPCB/SPCB.
6. The solid wastes shall be segregated, managed and disposed as per the norms of the Solid Waste Management Rules, 2016.
7. A certificate from the competent authority handling municipal solid wastes should be obtained, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.
8. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.

**X. Green Belt:**

1. Project Proponent shall develop green belt with native plant species that are significant and used for the pollution abatement. At least 10 m thick greenbelt shall be developed in the periphery of hazardous waste facility.
2. It shall be ensured that all the trees and other plantation are of the non edible varieties and do not in any way encourage the incorporation of toxic materials in the food chain.
3. Top soil shall be separately stored and used in the development of green belt.
4. Public hearing and Human health issues
5. Traffic congestion near the entry and exit points from the roads adjoining the project site shall be avoided. Parking should be fully internalized and no public space should be utilized.
6. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
7. Emergency plan shall be drawn in consultation with SPCB/CPCB and implemented in order to minimize the hazards to human health or environment from fires, explosion or any unplanned sudden or non sudden release of hazardous waste or hazardous waste constituents to air, soil or surface water.
8. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
9. Premedical check-up to be carried out on workers at the time of employment and regular medical record to be maintained.

**XI. Corporate Environment Responsibility:**

1. As per the Ministry's Office Memorandum F.No. 22-65/2017-IA.III dated 1st May 2018 shall be earmarked under Corporate Environment Responsibility (CER) for the activities such as drinking water supply, health camps and facilities, skill development, roads and cross drains, electrification, solar power, sanitation and solid waste management, scientific support to farmers, rain water harvesting etc.

as proposed. The activities proposed under CER shall be restricted to the affected area around the project. The entire activities proposed under the CER shall be treated as project and shall be monitored. The monitoring report shall be submitted to the regional office as a part of half yearly compliance report, and to the District Collector. It should be posted on the website of the project proponent.

2. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
5. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

**XII. Miscellaneous:**

1. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
5. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
6. The criteria pollutant levels namely; SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
7. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.

8. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
9. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
10. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
11. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
12. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
13. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
14. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
15. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts/NGT and any other Court of Law relating to the subject matter. xiv. 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.

XIII. This issue with the approval of the Competent Authority.

**2. Cement Grinding Unit" Capacity 500 TPD Project at Village- Khatoni No- 88, Gata No.- 562, Village-Phelsanda, Tehsil-Rudauli, District- Ayodhya, U.P. M/s Mayflex Cement Industries Pvt. Ltd. File No. 5278/3716/Proposal No. SIA/UP/IND/126508/2019**

A presentation was made by the project proponent along with their consultant M/s Paramarsh. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for Cement Grinding Unit" Capacity 500 TPD Project at Village- Khatoni No- 88, Gata No.- 562, Village-Phelsanda, Tehsil-Rudauli, District- Ayodhya, U.P. M/s Mayflex Cement Industries Pvt. Ltd.
2. Terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 269/ Parya/ SEAC/ 3716/ 2018, dated 29/09/2016.
3. Public Hearing was held on 04/10/2019. EIA report submitted by the project proponent on 23/11/2019.
4. Salient features of the project:

A.	Name of the Unit and Size of the Project	M/s Mayflex Cement Industries Private Limited, At Khatoni No-88, Gata No-562 Village- Phelsanda, Rudauli Dist.- Ayodhya, U.P. <ul style="list-style-type: none"><li>• 500 TPD</li><li>• Total Area 0.773 ha</li></ul>
B.	Category of the Project	<ul style="list-style-type: none"><li>• The proposed unit is categorized under 3 (b) {Cement plants [&lt;1.0 million tonnes/annum production capacity. All Standalone grinding units]} of Gazette Notification dated Sep 14th, 2006 and subsequent amendment on dated</li></ul>

		December 1st 2009 and April 4th 2011.
C.	Location Details	
	Location	Khatoni No-88, Gata No-562 Village- Phelsanda, Rudauli Dist.- Ayodhya, U.P
	Latitude	• 26°46.594" N to 26°46.621" N
	Longitude	• 81° 48.016'E to 81° 47.997'E
D	Plant Area	• 0.773 ha
E	Green Belt Area	2861.1 m <sup>2</sup> (33 % of total Plot Area)
F	Raw material	Clinker, Gypsum, Flyash
G	Variety of Cement	OPC & PPC
H	Environmental Setting Details (with approximate aerial distance and direction from the plant site)	
I	Nearest village	• Lakhnipur- 890 m (SW), Chaka K Purwa-1.34 Km (E)
	Approach Road / Highway	• NH- 28 – 150m (N)
	Nearest River& Water Body	• Saryu River – 6.0 km (N)
	Nearest City	• Ayodhya- 36.0 Km (E)
	Nearest Railway Station	• Gauriyama Railway Station (2.5 km) -S
	Nearest Airport	• Lucknow Airport (92.0 km)- W
	Reserve Forest	• None within 10km radius
	National Park/Sanctuary	• Wild life Sanctuary – None
J	Basic Requirements of the Project	
	Water Requirement	<ul style="list-style-type: none"> <li>• Water would be required for human consumption and for horticultural purposes.</li> <li>• The total no of employer is 56.0 including manager, supervisor etc. the water requirement is 4.9 KLD</li> <li>• Source of water : Borewell</li> </ul>
	Power Requirement (MW)	• The power required will be 1500 KVA
	Man Power Requirement	• 56
	Project Cost	• Estimated Project Cost along with analysis of Land & Site Development is 967.36 Lac.

5. The project falls under category 3 (b) of EIA Notification dated 14<sup>th</sup> September, 2006 (as amended).

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

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

- I. Mass balance data should be provided.
- II. Site photographs with time, date & coordinates should be provided.
- III. Separate Environment management cell should be established.
- IV. 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.
- V. Zero liquid discharge (ZLD) technology should be adopted and no effluent will be discharged outside the premises.
- VI. 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.

**VII. Air quality monitoring and preservation**

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25<sup>th</sup> August, 2014 (Cement) and subsequent amendment dated 9<sup>th</sup> May, 2016 (Cement) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.
- iii. The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM<sub>10</sub> and PM<sub>2.5</sub> in reference to PM emission, SO<sub>2</sub> and NO<sub>x</sub> in reference to SO<sub>2</sub> and NO<sub>x</sub> emissions) within and outside the plant area at least at 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
- VIII. 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.
- IX. 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.
- X. 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.
- XI. 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).

**XII. 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.

**XIII. 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.

**XIV. Corporate Environment Responsibility**

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements /deviation/violation of the environmental / forest /wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level , with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry /Regional Office along with the Six Monthly Compliance Report.
- v. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
- vi. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the cement plants shall be implemented.

**XV. Miscellaneous**

- i. Under CER activity as committed ambulance for handicapped, equipped with medical facilities may be provided.

- ii. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- iii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iv. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- v. The project proponent shall monitor the criteria pollutants level namely; PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- vi. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- vii. The project proponent shall submit the environmental statement for each financial year in Form-V to the State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- viii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- ix. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- x. ii. 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. Integrated Township at Naini, District-Prayagraj, U.P. M/s Prayagraj Development Authority. File No. 5288/4539/Proposal No. SIA/UP/MIS/ 47377/2018**

A presentation was made by the project proponent along with their consultant M/s ENV DAS (India) Pvt. Ltd. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for Integrated Township at Naini, District-Prayagraj, U.P. M/s Prayagraj Development Authority.
2. Terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 674/Parya/SEAC/4539/2018, dated 07/02/2019.
3. EIA report submitted by the project proponent on 29/11/2019.
4. Area details of the project:

S.No.	Particulars	Details (m <sup>2</sup> )
1	Total Plot Area	3,91,981.82
2	Commercial Area(Including Health Centre)	1,41,113.45
3	Residential Area	2,50,868.37
4	Permissible F.A.R Area(@2.5) (a)	9,79,954.55
5	Purchasable FAR (@1.25) (b)	4,89,977.27
6	Total achievable FAR = (a+b)	14,69,931.82
7	Total Proposed FAR	7,00,330.50
8	<u>Non-FAR</u>	
9	Community center	10,968.00
10	Police station & fire	1067.24
11	Basement	4,70,378.18
12	Indoor Stadium	3430.00
13	Electrical Sub Station	200.70
14	EWS	22,908.11
15	Total Non-FAR Area (Proposed)	5,08,952.23
16	Built- Up Area (FAR + Non FAR)	1209282.73
17	Ground Coverage	
18	Proposed Total Ground Coverage	36,933.997
19	Number of towers	20 tower
20	Number of Type V Res	25 Units
21	Maximum Height of the building	(B2 + B1 + GF+ 19 floors) 70 m Approx.
22	Total No of residential Units	1,325 Units
23	Total Residential Population	6,625 person
24	Total Commercial Population	18,700 person
26	Required Parking 1.5 ECS/100 m <sup>2</sup> of FAR area for residential ( 2,82,693.75 m <sup>2</sup> ) 1 ECS/50 m <sup>2</sup> of FAR for commercial (4,13,302.50 m <sup>2</sup> ) Total Required Parking	4,240 ECS 8,266 ECS 12,506 ECS
27	Provided Parking ( Open and Basement)	12,550 ECS
28	Two Wheeler Parking Provided	3,000 Vehicle Space (@ 2 m <sup>2</sup> per vehicle)
29	Total Open Area	3,55,047.83
30	Required trees (1 tree/ 80 m <sup>2</sup> of Open area)	4438.09 Trees
31	Proposed Trees	4500 Trees
32	Landscape area	62,681.21 (15.98% of net plot area)
33	Area for roads & circulation	292366.62
34	Power requirement & source	3595 KW Source: UPPCL

35	Water Requirement and Source	1842 KLD +227 KLD(Health centre) Source: Ground Water supply
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5. Land use details:

Land use Type	Area (m <sup>2</sup> )	Percentage (%)
Ground Coverage	36,933.99	9
Green Area	62,681.21	16
Open & paved area(Services)	2,92,366.61	75
Total Area	3,91,981.82	100

6. Water calculation details:

S. No.	Description	unit/Area (in m <sup>2</sup> )	Total Occupancy	Rate of water demand (lpcd)	Total Fresh Water (KLD)	Total Flushing water (KLD)	Total Water Requirement (KLD)
1.	Residential + +EWS/LIG	1005 Units 320 Unit= Total 1325 units	6,625	Fresh Water @ 65 LPCD Flushing Water @21 LPCD	430	139	569
2.	Commercial	-	18,700	Fresh Water @ 30 LPCD Flushing Water @15 LPCD	560	280	840
3.	Staff	5% of total population	1243	Fresh Water @ 30 LPCD Flushing Water @ 15 LPCD	38	19	57
4.	Visitors	10% of total population	2533	Fresh Water @ 5 LPCD Flushing Water @ 10 LPCD	13	26	39
Total Domestic water					1041	464	1505
5.	Landscape development	62,681.21m <sup>2</sup>		5 L/sqm	-	314	314
6	HVAC (1000 TR for 12 hr)			9 lt/hr/TR	-	23	23
Total Water Requirement					1041	801	1842
Grand Total = 1842 KLD							

7. Waste water details:

Water/Waste Water Details	
Fresh Water for domestic uses	1041 KLD
Flushing	464 KLD
Horticulture / Landscape	314 KLD
HVAC	23 KLD
Total Water Requirement	1842 KLD
Total Water Requirement of Health Centre	227 KLD
Total Water Requirement for Township	2069 KLD
Source of water - Ground Water Supply through ADA Municipal Supply.	
Waste water - 1355 KLD	
Waste Water From Health Centre -182 KLD	
Capacity of ETP at Health Centre: 230 KLD (@25% )	
Total Waste water generated:1537 KLD	
Domestic Waste water will be discharged into CSTP of Allahabad Development Authority (Capacity 80 MLD) present adjacent to the project site.	
There will be no recycling of treated waste water at the site. Waste water will be sent to CSTP of ADA present adjacent to	

the site for treatment.

**8. Waste generation details:**

Particulars	Population	Norms (kg/day)	Total waste (kg/day)
Residential (@ 0.5 kg/ person/ day)	6625	0.5	3313
Commercial ( 0.25 kg/person/day)	18700	0.25	4675
Visitors (10%)	2533	0.15	380
Staff	1243	0.25	310
Total Waste Generation			8678
Horticulture waste (62,681.21 m <sup>2</sup> )		0.0037 kg/m <sup>2</sup>	232
e-waste		0.15kg/capita/year	10

9. The project falls under category 8(b) of EIA Notification dated 14th September, 2006 (as amended).

**RESOLUTION AGAINST AGENDA NO-03**

**The committee discussed the matter and recommended to grant the environmental clearance for the above project proposal along with general conditions as earlier prescribed by authority for construction project and following specific conditions:**

1. Separate Environment Clearance will be taken as per provision of EIA Notification 2006 (as amended).
2. Solar energy to be used alternatives on the road and common places for illumination to save conventional energy as per ECBC Code.
3. The project proponent shall submit within the next 3 month the data of ground water quality including fluoride parameter to the limit of minimum deduction level for all six monitoring stations.
4. 15% area of the total plot area shall be compulsorily made available for the green area development including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
5. The waste water generated should be treated properly in scientific manner i.e. domestic waste water to be treated in STP and effluent such as RO rejects with high TDS and other chemical bearing effluent shall be treated separately.
6. Permission from local authority should be taken regarding discharge of excess water into the sewer line.
7. The height, Construction built up area of proposed construction shall be in accordance with the existing FAR norms of the competent authority & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
8. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
9. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
10. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
11. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
12. 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.
13. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
14. 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).

15. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
16. 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.
17. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
18. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as cylinder for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.
19. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
20. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
21. Corporate Environmental Responsibility (CER) 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. A copy of resolution of board of directors shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted along with six monthly compliance reports.
22. No parking shall be allowed outside the project boundary.
23. Digging of basement shall be undertaken in view of structural safety of adjacent buildings under information/consultation with District Administration/Mining Department. All the topsoil excavated during construction activities should be stored for use in horticulture /landscape development within the project site. Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
24. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
25. The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.
26. Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
27. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
28. Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/UPPCB.
29. The green area design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential area and pollution also reduced. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green area Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
30. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
31. Pavements shall be so constructed as to allow infiltration of surface run-off of rain water. Construction of pavements around trees should be able to facilitate suitable watering, aeration and nutrition to the tree.

32. Roof top water in rainy season is to be discharged into RWH pits for ground water recharging. Arrangement shall be made that waste water and storm water do not get mixed.
33. All the internal drains are to be covered till the disposal point.
34. This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any.
35. Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.

**4. Development of Gorakhpur Link Expressway, Uttar Pradesh Expressways Industrial Development Authority. File No. 5305/4603/Proposal No. SIA/UP/NCP/ 48000/2018**

A presentation was made by the project proponent Shri Manoj Kumar Gupta, Superintending Engineer, UPEIDA along with their consultant M/s Kitco Ltd. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for Development of Gorakhpur Link Expressway through Gorakhpur, Sant Kabir Nagar, Ambedkar Nagar and Azamgarh districts in the State of Uttar Pradesh, M/s Uttar Pradesh Expressway Industrial Development Authority (UPEIDA).
2. Terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 737/Parya/SEAC/4603/2018, dated 09/03/2019.
3. Public hearing was organized in various districts i.e. Azamgarh (dated 11/09/2019), Gorakhpur (dated 19/09/2019), Sant Kabir Nagar (dated 21/09/2019) & Ambedkar Nagar (dated 13/11/2019) respectively.
4. EIA report submitted by the project proponent on 02/01/2020.
5. Salient features of the project:

Sl. No.	Description	Quantity
1	Total length (km)	91.352
2	Proposed RoW for new alignment (m)	110m
3	Design Speed (Km/hr)	120 on Plain terrain
4	Pavement type	Flexible pavement except at Toll Plaza locations. Rigid pavement at Toll Plaza locations.
5	Number of GAIL pipe line crossings	3
6	Number of major bridges	7
7	Number of minor bridges	13
8	Number of flyovers	7
9	Number of vehicular underpass	16
10	Number of light vehicular underpasses	50
11	Number of pedestrian / cattle underpasses	35
12	Total area of land to be acquired for the project (ha)	1098.87Ha
13	Number of revenue villages through which alignment passes	160
14	Number of toll plazas proposed	2 on Expressway and 3 on Interchange ramps
15	Length of service road proposed (km)	121.292
16	Number of wayside amenities facilities	2 Wayside Amenity
17	Number of toll booth	Toll Booths on Expressway – 20 Toll Booths on Ramps - 18
18	RoW of new alignment proposed in forest area (m)	No forest area comes in the proposed alignment

6. Location of the project:

Sl. No.	Particulars	Details
1.	Tehsil	Khajani, Sahjanwa, Dhanghata, Budanpur, Phoolpur, Aalapur & Jalalpur
2.	Districts	Gorakhpur, Sant Kabir Nagar, Azamgarh and Ambedkar Nagar

3.	State	Uttar Pradesh
4.	Bounded Latitudes	From To
5.		26°12'8.22"N 26°43'0.15"N
6.	Bounded Longitudes	From To
7.		82°44'58.89"E 83°17'32.61"E
8.	Survey of India Topo Sheet No.	G44K15, G44K16, G44L2, G44L3 & G44L6
9.	Max. Elevation above MSL	80 m
10.	Distance of Nearest HFL from the project boundary	215 km from the project boundary. Location of HFL from CWC data is at Ghaghara river near Elgin bridge

**7. Chainage wise Details in Districts:**

District	Start Chainage	End Chainage	Length (Km)
Gorakhpur	-0+817	42+300	43.117
Sant Kabir Nagar	42+300	46+500	4.200
Ambedkar Nagar	46+500	60+300	13.800
Azamgarh	60+300	71+400	11.100
Ambedkar Nagar	71+400	88+550	17.150
Azamgarh	88+550	90+535	1.985

**8. Raw material/fuel consumption details:**

Raw Material/Fuel	Quantity per Annum	Unit	Source	Mode of transportation	Distance of Source from Project Site	Type of Linkage (Linkage /Fuel Supply/Agreement/e-auction/MoU/LOA/Captive/Open market/others)
Soil	2,00,00,000	Cum	Near By Borrow area	Road	10 km	The contractor will make the necessary material supply agreement with the authorised vendor during construction period
Cement	68,000	T	Authorized Vendors at local Level	Road	100 km	
Bitumen	40,000	T	Authorized Vendors	Road	628 km	
Steel	9,840	T	Authorized Vendors	Road	100 km	
Stone	15,60,192	M3	Approved Quarry sites	Road	176 km	
Flyash		T	Power plants within 300 km radius	Road	300 km	After obtaining permission from the regulatory authorities
Water	93,00,000	KL	Surface Water/Ground Water	Road	---	

9. The total water consumption for the project is 9300 Million Liters. The water sources during the construction phase will be the surface water sources and their water quality has been assessed.

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

**RESOLUTION AGAINST AGENDA NO-04**

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

**General Conditions:**

1. A comprehensive EIA shall be undertaken taking into view conditions stipulated in this clearance also and submitted to this Authority within 02 years of commencement of the project. The comprehensive EIA study should also include:

- I. The detailed impact analysis under the scope of work particularly the impact on ambient air quality interpreting the incremental concentration of the various parameters based on air quality models.
  - II. The specific target group in the predominant wind directions.
  - III. Critical traffic analysis for the construction and the operation phases based on eco-friendly fuels in order to formulate an action plan to keep the surrounding air quality confirming to its present level/the prescribed norms.
  - IV. Efforts to utilize the fly ash to the maximum level and the natural clay/soil to the minimum level should be made.
2. Permission for any tree felling shall be taken from Forest Department as per law. In addition to the proposed compensatory plantation (3 Trees planted for every tree cut) it shall be ensured that adequate plantation on both sides of proposed expressway shall be undertaken with shade giving, ecologically friendly, sound absorbing and native species of trees to attenuate probable air and noise pollution. A densely populated green belt in both sides of the expressway shall be developed.
  3. The implementation of the environmental management plan should be reviewed every 06 months by the project proponents and the Action Taken Report should be submitted to this authority, UPPCB, and the concerning District Magistrate.
  4. The project proponent will set up separate environmental management cell for effective implementation of the EMP etc as well as stipulated environmental safeguards under the supervision of a Senior Experienced Executive.
  5. Full support should be extended to concerned officers/authorities by the project proponents during their inspection of the project for monitoring purposes by furnishing full details and action plan, including action taken reports in respect of mitigative measures and other Environmental protection activities.
  6. A Six Monthly monitoring report should be submitted to the Authority regarding the implementation of the stipulated conditions.
  7. The E.I.A. Authority or any other competent authority may stipulate any other conditions or environmental safeguards, subsequently, if deemed necessary, which should be complied with.
  8. First aid centers along the highway should be identified with referral facility for nearby trauma centers for causality management.
  9. Regular noise levels should be monitored during construction and operation phase.
  10. The date and place of sampling of water testing should be provided along with the quality of water as suitable for drinking purposes alongwith compliance report.

**b. Specific Conditions:**

1. Baseline monitoring of air quality to be carried out at 04 additional points in north and west direction at equal distance.
2. Source of water-required water shall be met by rivers and canals wherever it is possible. In no other option borewell may be recommended after obtaining permission competent authority.
3. Felling of trees only after obtaining NOC from the competent authority.
4. Vehicle having PUC certificate should be use.
5. Safe drinking water for labours should be provided.
6. 100 PPM, PM<sub>10</sub> must be achieved.
7. Continuous online AAQ monitoring at every 100 KM interval to be done.
8. Trauma centre alongwith refreshment centre at every 50 KM to be provided.
9. Drainage line and provision of lighting on both side of the road side should be provided.
10. Traffic light signal at each crossing and at diversion point to be provided.
11. Name of approaching town with mileage sign to be provided.
12. Mining permission from competent authority should also be taken.
13. The construction work shall be undertaken in a manner that the active channel, flow and direction rivers coming under proposal should not be disturbed. The active channel width shall be as certified by Central Water Commission and shall keep into account the flood flows also. The project in all its phases shall

ensure that there is no such activity that may affect/result in change of flow (quantity and direction) of river or silting of the river or its tributaries.

14. The use of plastic waste in the construction of the Highway shall be explored. It is suggested that the crusher's dust can be used along with plastic waste in construction of road.
15. The fly ash generating potential of the surrounding areas shall be estimated and its use shall be explored in the proposed expressway.
16. 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.
17. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
18. 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).
19. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
20. 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.
21. All potable water sources near the right of way should be such that they meet drinking water criteria as prescribed. Necessary water recharge facilities shall be constructed near each potable water station.
22. Ground and surface water sources (including rivers and canals) will be used to meet the water requirement during construction phase of the project road subject to permission from the competent concerned authorities. Ways to minimize the water consumption including use of stored rain water should be explored and included in the comprehensive EIA as indicated in condition no. 1.
23. It shall be ensured that the alignment and other project areas are more than 05 Km away from (i) Protected areas notified under the Wild Life (Protection Act, 1972 (ii) Critically polluted areas as notified by the Central Pollution Control Board from time to time (iii) Notified Eco-Sensitive areas (iv) Inter-State boundaries and international boundaries.
24. For any extraction of ground water, prior permission from CGWB shall be taken.
25. Construction material shall be so handled that wastes do not find their way into water bodies. Wastes shall be suitably collected and treated as per standards. Necessary consents shall be obtained from the competent authority in this regards.
26. Separate Environmental Clearances as applicable shall be obtained for any subsidiary activities like rest areas, automobile repair shops etc planned in the project area as per EIA notification.
27. Measures should be taken to protect the ponds along the proposed alignment that may likely to be affected. Wetlands within the study area of the project should be identified and it shall be ensured that there is no eco-degradation of these wetlands as a result of the project. Details shall be submitted with the comprehensive E.I.A.
28. The CNG station should be established for proper functioning of vehicles to control pollution on the proposed highway.
29. The operation and maintenance of dust monitoring to be reviewed after every six months.
30. Rain water harvesting sites should be developed where ever possible as per norms.
31. The project proponent should obtain necessary permission from the State Irrigation Department before drawing water from the river sources for the purpose of the proposed construction activity. Prior permission from the concerned Authority should be taken for any abstraction of groundwater.
32. Noise barriers should be provided at appropriate locations particularly in the areas where the alignment passes through inhabited areas, so as to ensure that the noise levels do not exceed the prescribed standards and comply with provisions given under Noise Rules 2000 (as amended) for silence zone as defined under the rules.
33. Rest areas with facilities like toilets and refreshment may be included along the expressway.

34. Provision of trauma center/medical facilities is to be provided on this expressway within convenient distance.
35. It is suggested that in between two ways of the road the height of the divider on both side of the green verge should be such that no traffic like motorcycle, cycle, and tractor can cross over. It is also suggested that it will be better if in between two roads strong railing could be provided with sufficient height.
36. Overloading factor should be adequately incorporated during design and construction of the expressway.
37. Adequate drainage structures should be provided along the entire length of expressway so that no conditions of water stagnation are created. Near the settlement areas, drainage structures shall be covered.
38. Relocation of temples and other cultural properties like mosques, schools, hospitals etc, along the proposed alignment, shall be taken-up only after permission from competent authority/local administration.
39. Suitable measures shall be taken to educate highway users on the risk of HIV and human trafficking. Environmental and safety awareness drives through hoardings should also be promoted.
40. On every toll barriers Weigh Bridge is to be installed to check the load of the trucks and restrict the over loaded vehicles and comply as per the capacity design of the road.
41. Separate clearances from the competent authority shall be obtained regarding acquisition of water bodies, forest land, cultural sites etc. Such clearances shall take into consideration minimum impact options.
42. Sand and aggregates shall be obtained from approved quarries only. Borrow areas shall have the approval of the competent authorities.
43. Acquisition of land should be as prescribed under Govt. Rules.
44. Dredged material from road side ditches should be suitably disposed as not to cause any environmental problem. Necessary permission shall be obtained from the competent authority in this regard.
45. Consent for discharge of effluents from workers camp and other construction activity should be obtained from competent authority.
46. Borrow pits should be so selected so as to have minimum loss of productive land.
47. Separate NOC and consent of the UPPCB shall be obtained with regards to asphalt plants, crushers, batching plants, hot mix plants etc.
48. Landfill sites for earth, stone or other construction material shall be duly approved by the competent authority.
49. The alignment shall be so maintained that there is no Archeological or cultural property in the project area.
50. The proposal should conform to Regional Development Plan for the area and if non conforming, suitable permission should be taken before construction from the competent authority.
51. Adequate provision for infrastructure facilities including water supply, fuel and sanitation must be ensured for construction workers during the construction phase of the project in order to avoid any damage to environment.
52. Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality and other incidents.
53. Borrow pits for earth, quarry sites for road construction material and dump sites must be identified keeping in view the following:
  - a) No excavation or dumping on private property is carried out without consent of the owner.
  - b) No excavation or dumping should be allowed on wetlands, forest areas, protected or prohibited land or other ecologically valuable or sensitive locations.
  - c) Excavation work should be done in consultation with the Soil Conservation and Watershed Development Agencies working in the area.
  - d) Construction spoils including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dump sites for such materials must be secured so that

- .they should not leach into the ground water, and necessary permission from the UPPCB be obtained.
- e) During the earthwork on embankments care is to be taken regarding environmental pollution. The adequate number of sprinkles should be used during the operation period.
54. Adequate precautions and norms should be followed during transportation of the construction material so that it does not affect the environment adversely.
55. Borrow pits and other scars created during the road construction should be properly leveled and treated.
56. Possibility of use of non-conventional energy sources may be explored.
57. Municipal solid waste & Hazardous waste shall not be used in the construction of the express way.
58. Automatic traffic signal is to be provided at all crossing functioning during day and night.
59. During foggy weather the vehicular traffic may be held with parking facilities to avoid accidents.

**5. "Common Bio-Medical Treatment Facility (CBWTF) at Gata No.- 474, Mauja Mohanpurwa, Jignoda Road, District- Banda, U.P. File No. 5318/Proposal No. SIA/UP/MIS/ 48286/2019**

The SEAC again listen to complainant in compliance of Hon'ble High Court Allahabad order dated 25/11/2019 in its meeting dated 13/12/2019. In SEAC meeting dated 13/12/2019 the complaint of complainant was disposed. The relevant minutes area as follows:

"In compliance of Hon'ble High Court, Allahabad order dated 25/11/2019, the SEAC gone through the complaint of Dr. V.K. Verma, President, Common Bio-Medical Waste Facility Operators Association dated 28/08/2019 and also letter of Regional Officer, UPPCB dated 24/09/2019, Additional Director, Medical Health and Family Welfare dated 06/08/2019 and Chief Medical Officer, Banda dated 27/06/2019 available in record. After in depth examination the SEAC find that the complaint is totally baseless and may be disposed by SEIAA."

In compliance of Hon'ble High Court order dated 25/11/2019 the SEAC heard the complainant in today meeting. No new fact has been brought to the notice of SEAC. The complaint is baseless and appears to malafide intention.

A presentation was made by the project proponent along with their consultant M/s Ind Tech House Consult. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for "Common Bio-Medical Treatment Facility (CBWTF) at Gata No. 474, Mauja Mohanpurwa, Jignoda Road, District- Banda, U.P., M/s Bamdev Smart Solutions Pvt. Ltd.
2. Terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 107/Parya/SEAC/4647/2018, dated 13/06/2019.
3. Public hearing was conducted on 25th of November 2019 at Tehsil-Sabhagaar, Banda. EIA report submitted by the project proponent on 11/12/2019.
4. The project proposed to be developed in an area of 1.126 acres (approx 4572.9 sqm).
5. The components in the project will have one rotary kiln incinerator of capacity 250 kg/hr, one fixed hearth incinerator of 250 kg/hr capacity as standby, two autoclaves having capacity of 250 l/hr each (500 l/hr in total) and two shredders having capacity of 250 kg/hr each (500 kg/hr in total).
6. The project will cater health care establishment from the district of Banda and its four neighboring districts viz. Mahoba, Hamirpur, Chitrakoot and Fatehpur.
7. Technical details of the project:

Sl	Component	Description
1	Land Area	1.126 acres (approx. 4572.9 sqm)

2	Address	Gata No. 474 Mauja Mohanpurwa, Jignoda Road Banda-210001
3	Land Type	Agricultural use
4	Land Acquisition Status	Acquired
5	Conversion of Land Use	CLU Obtained from Agricultural to Commercial
6	Accessibility	Metaled road (Achharound Tigadda road) connecting to NH27 (New)/NH 76 (old) at about 5.5 km
7	Distance from nearest habitation	More than 1.5 km (nearest village – Mohan Purwa in the East)
8	Other similar facility nearby	Not within 75 km from this site
9	Surface water body	Major surface water body is Ken river flowing at a distance of about 5.1 km in the east
10	Tree cutting	No tree cutting envisaged

8. Incinerators details:

- Two incinerators of 250 kg/hr has been proposed for this project.
- One incinerator is of rotary kiln and will be the main incinerator.
- Second incinerator is of fixed hearth incinerator and will be used as back up for operations during emergency breakdown of the rotary kiln incinerator or during the time of maintenance.

9. 4 Number of vehicles will be designed for collection and transportation of waste.

10. Water requirement details:

Usage	Source	Qty of water, KLD	Effluent generation, KLD	Treatment
Domestic requirement	Fresh	1	0.9	ETP
Floor Washing	Fresh	0.5	0.1	ETP
Quencher and Scrubber	Recycled	1.4	1.25	ETP
Autoclave	Fresh	1	0.9	ETP
Vehicle Cleaning	Recycled	1	0.9	ETP
Landscaping	Recycled	1.4	0	--
Total Water Required				6.3 kld
Total Fresh Water Required				2.5 kld
Process Loss				0.85 kld
Total Effluent generated				4.05 kld
ETP Proposed				5 kld
Treated Effluent obtained				3.84 kld
Reuse of treated effluent				3.8 kld
Discharge				0
<ul style="list-style-type: none"> <li>• Source of water : ground water</li> </ul>				

11. Power requirement details:

- 70 KW power connection will be required for this project
- Source Dakshinanchal Vidyut Vitaran Nigam Ltd.
- Back up- DG. Set of 82 KVA capacity as standby.

12. The project proposal falls under category–7(da) of EIA Notification, 2006 (as amended).

**RESOLUTION AGAINST AGENDA NO-05**

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

**General Conditions:**

1. PP will take prior permission of UPPCB for establishing CBWTF at the site in reference to revised guidelines of CPCB-2016 for CBWTF before installation.
2. PP must ensure before starting operation to resolve all issues raised in the public hearing as per the revised guidelines issued by the CPCB on 21/12/2016 (revised guidelines for common bio medical waste

treatment and disposal facilities-chapert-6B). According to the guidelines, UPPCB should resolve the complaints from the public received during the public hearing. If they are not able to resolve the issues then the matter is referred to CPCB for final decision.

3. Guidelines of CPCB/UPPCB for Bio-Medical Waste Common Hazardous Wastes Incinerators shall be followed.
4. All safety measures will be strictly followed by workers for handling of Bio medical waste bags during storage and feeding at incinerator to prevent health hazards.
5. PP should carryout periodical air quality monitoring in and around the site including VOC, HC.
6. PP shall ensure to conduct quarterly health check up of workers working in the plant.
7. PP will construct garland drain of appropriate size and settling tank with stone pitching all around the plant premises.
8. PP should develop 8 m green belt all along the periphery of the species that are significant and used for the pollution abatement.
9. Incineration plants shall be operated (combustion chambers) with such temperance, retention time and turbulence, so as to achieve Total Organic Carbon (TOC) content in the slag and bottom ashes less than 3%, or their loss on ignition is less than 5% of the dry weight of the material.
10. Transportation and handling of Bio-medical Wastes shall be as per the Biomedical Wastes (Management and Handling) Rules, 2000 (as amended) including the section 129 to 137 of Central Motor Vehicle Rules, 1989.
11. The proponent should ensure that the project fulfills all the provisions of Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 (as amended) including collection and transportation design etc and also guidelines for Common Hazardous Waste Incineration - 2005, issued by CPCB.
12. Ecosorb (organic and biodegradable chemical) and alumina will be used around. Odor generation areas at regular intervals for dilution of odorant by odor counteraction or neutralize.
13. The entire area should be covered with 03 meters MS sheets and due care should be taken for noise and vibration control during demolition work.
14. Provisions shall be made for the housing of construction/plant erection labor within the site with all necessary infrastructure and facilities such as mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after completion of the period.
15. Monitoring of the stack gaseous emissions (under optimum capacity of the incinerator) will be done once in three months through a laboratory approved under the EPA, 1986/NABL and record of such analysis results shall be maintained and submitted to the prescribed authority. In case of dioxins and furans, monitoring will be done once in a year.
16. Ventury scrubber with mist eliminator, beg filter, multicyclone and dust collector shall be provided as air pollution control equipment.
17. Magnetic flow meters shall be provided at the inlet/outlet of water supply point and records for the same shall be maintained and submitted to UPPCB regularly.
18. The PP should comply with the provisions made in Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2016 and Bio-Medical Waste (Management and Handling) Rules, 2016 (as amended).
19. Dedicated parking facility for unloading of materials/wastes shall be provided in the facility premises. PP shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.
20. The overall noise level in and around the facility area and D.G. set shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under the Environment (Protection) Act, 1986 & Rules.

**Specific Conditions:**

1. Term card and symbols of hazardous are to be posted on the transport vehicles.

2. ESH unit is to be established.
3. PP should install adequate ETP for treatment and disposal of effluent and Zero discharge should be maintained.
4. Process effluent any waste water should not be allowed to mix with storm water.
5. No landfill site is allowed within the CBWTF site.
6. PP will ensure to use only non-chlorinated bags for handling and storing bio medical waste. In any case, PP is not allowed to use poly and plastic bags.
7. Incinerator should be property interlocked with venture scrubber to control air pollution.
8. Incinerated ash and ETP sludge shall be disposed at approved TSDF and MoU made in this regard shall be submitted to the UPSEIAA prior to commencement.
9. Color coding for handling waste be strictly followed as per BMW Rules 2016.
10. PP will install continuous online monitoring system to monitor the emissions from the stack. Periodical air quality monitoring in and around the site shall be carried out. The parameters shall include Dioxin and furan.
11. Proper Parking facility should be provided for employees & transport used for collection & disposal of waste materials.
12. Necessary provision shall be made for firefighting facilities within the complex.
13. The Leachate from the facility shall be collected and treated to meet the prescribed standards before disposal.
14. PP should ensure installation of photovoltaic cells (solar energy) for lighting in common areas, LED light fixtures, and other energy efficient plant machineries and equipments.
15. The containers should be covered during transportation in order to prevent exposure of public to odors and contamination.
16. PP should have two storage rooms separately for treated and untreated waste.
17. PP should ensure the traffic movement plan, parking facilities and road width.
18. PP should develop green belt at least minimum of 33% in plant premises as per CPCB guidelines with native species/pollution absorbing species.
19. During any construction/plant erection activity, curtaining of site should be carried out to protect nearby areas.
20. For dust suppression, regular sprinkling of water should be undertaken.
21. PP will obtain other necessary clearances/NOC from respective authorities.
22. As proposed, the domestic waste water shall be treated in septic tank and soak pit system whereas industrial waste water shall be treated in ETP/STP with provision of tertiary system. Recycling of treated water shall be ensured to maintain zero discharge conditions.
23. No effluent from the facility shall be discharged outside the premises and Zero discharge shall be maintained. PP should also install Internet Protocol PTZ camera with night vision facility along with minimum OSX zoom and data connectivity must be provided to the UPPCB server for remote operations.
24. Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area shall be set up. The ground water quality monitoring shall be monitored as per the UPPCB norms. Sampling and trend analysis monitoring must be made on monthly basis and report submitted to the Ministry's Regional Office at Bhopal and UPPCB.
25. On line continuous monitoring system shall also be installed to monitor the stack emission and data connectivity must be provided to the UPPCB server for remote operations.
26. The height of the stack shall be not less than 35 mtrs.
27. Only low Sulphur fuel like Light Diesel Oil or Low Sulphur Heavy Stock or Diesel, Compressed Natural Gas, Liquefied Natural Gas or Liquefied Petroleum Gas shall be used as fuel in the incinerator.
28. Combustion gas analyzer to measure CO<sub>2</sub>, CO and O<sub>2</sub> should be installed.
29. Internal roads will be concerted/asphalted to reduce dust emissions.
30. PP shall ensure that 02 additional vehicle shall be available all the time in addition to the required number of vehicle for collection and transportation of bio medical waste.
31. PP shall ensure that bio medical waste shall be treated completely within 48 hrs from the time of collection. All conditions and guidelines lay down by CPCB and BMW Act, 2016 shall be complied.

32. No hazardous waste should be disposed off in this facility.
33. The PP shall be developed green belt within plant premises with at least 5 meter wide green belt on all sides along the periphery of the project area and along road sides etc. Selection of plant species shall be as per the CPCB guidelines and in consultation with the DFO.
34. All the commitments made in the public hearing shall be implemented by PP.
35. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
36. In case of power failure, stand by D.G. Sets having power generation capacity equivalent to the requirement of power to run the facility shall be installed, so that the facility shall always be operated round the clock even in case of power failure.
37. For avoiding vehicle congestion/traffic jam within facility premises or outside road proper turning and parking space is provided. Also all internal roads shall be made pucca/bituminous top to avoid fugitive emissions.
38. All recommendations and pollution mitigative measures proposed in the EMP shall be binding for the project authorities.
39. Pucca flooring/impervious layer shall be provided in the work areas, chemical/waste oil storage areas and chemical handling areas to minimize soil contamination.
40. Good housekeeping shall be maintained within the facility premises. All pipes, valves and drains shall be leak proof. Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly. Floor washing shall be admitted in to the effluent collection system for subsequent treatment and disposal.
41. The storm water drains shall be kept separate and shall remain dry throughout the year except monsoon.
42. CER activity should be proposed for next 10 years in different activities and should be implemented through respective committees.
43. The environmental policy with Environmental Management Cell as per MoEF guideline will be prepared by PP and the with suitably qualified staff for implementation of the stipulated environmental safeguards and for monitoring functions shall be setup under the control of the Chief Executive of the company.
44. As proposed, the green belt development/plantation activities should be completed within the first three years of the project.
45. In case of any, change in scope of work, technology, modernization and enhancement of capacity/built-up area/project area shall again require prior environmental clearance as per EIA Notification, 2006.
46. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
47. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/built-up area/project area, addition with change in process and or technology and any change in product – mix in proposed mining unit shall require a fresh Environment Clearance.
48. PP shall comply all conditions stipulated in
49. The facilities for collection, segregation, handling, on site storage and processing of solid waste shall be provided and maintained properly. The collected solid waste shall be segregated at site. Biodegradable waste shall be treated in biogas plant and Non Biodegradable/recyclable solid waste shall be sold out to the authorized vendor's recyclers. The inert solid waste shall be sent to concerned collection Center of integrated municipal solid management facility of the area.
50. The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storage and import of Hazardous Chemicals Rules, 1989( as amended) and Hazardous Waste (Management and Handling) Rules, 2016, (as amended) from time to time. Hazardous/Solid Wastes generated during construction and operation phases should be disposed off as prescribed under law. Necessary clearances in this regard shall be obtained.
51. E-waste should be disposed off as per rules applicable and with the necessary approval of the UP Pollution control Board.
52. The project proponent will ensure that proper dust control arrangements are made during the construction and proper display system is to be installed at the site to inform the public about the steps taken to control air pollution as per the Construction and Demolition Waste Management Rules.
53. Consent to establishment/operate shall be obtained from UPPCB.

54. The project proponent shall submit within the next 3 months the details on quantification of year wise CER activities along with cost and other details. CER activities must not be less than 2% of the project cost. The CER activities should be related to mitigation of Environmental Pollution and awareness for the same.
55. A 2% of the total project cost Corporate Environmental Responsibility (CER) plan along with budgetary provision shall be prepared phase wise and approved by Board of Directors of the company. A copy of resolution as above shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted alongwith photographs. No parking shall be allowed outside the project boundary.
56. The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.
57. Any hazardous waste generated during construction/operation phase should be disposed off as per applicable rules and norms with necessary approvals of the UP Pollution Control Board.
58. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
59. Bio medical waste management shall be followed as per The Bio-Medical Waste (Management and Handling) Rules, 2016. Special attention to be given for Mercury waste management and disposal. Authorization certificate is to be obtained from Pollution Board and you cannot hold bio medical waste more than 24 hours.
60. Necessary permissions should be sought for use and safe disposal of radioactive materials. Procedural protocol prescribed by competent authority should be followed for the same.
61. Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/UPPCB.
62. The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential area. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
63. NOC from Ground Water Board is to be obtained for drilling of tube well for use of Water Supply, if any.
64. This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any.

**6. Sand/Morrum mining at Gata No.-Part of 333/7, 418,421mi & 426/30 (Khand No.- 03), Village- Marauli Khandar, Banda, U.P., (Leased Area -23.00 ha.), M/s K & S. File No. 5297/4826/Proposal No. SIA/UP/MIN/47854/2019**

A presentation was made by the project proponent along with their consultant M/s PARAMARSH (Servicing Environment and Development). The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Sand/Morrum mining at Gata No.-Part of 333/7, 418,421mi & 426/30 (Khand No.- 03), Village- Marauli Khandar, Banda, U.P., (Leased Area -23.00 ha.), M/s K&S.
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 230/Parya/SEAC/4826/2019 dated 21/08/2019.
3. The public hearing was organized on 08/11/2019. Final EIA report submitted on 04/12/2019.
4. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/47854/2019		
2. File No .allotted by SEIAA,UP	5297 / 4826		
3. Name of Proponent	M/s K & S Katyona Sharma D/o Late R.K.Sharma		
4. Full correspondence address of proponent and mobile no.	R/o- E 528, Greater Kailashpart– II, New Delhi- 110048		
5. Name of Project	Sand/Morrum Mining Project		
6. Project location (Plot/ Khasra /Gata No.)	Gata No.- Part of 333/7, 418, 421Mi, & 426/30 (Khand No.- 03)		
7. Name of River	Ken		
8. Name of Village	Marauli Khadar		
9. Tehsil	Banda		
10.District	Banda		
11. Name of Minor Mineral	Sand/Morrum		
12. Sanctioned Lease Area (in Ha.)	23.0 ha.		
13. Mineable Area (in Ha.)	20.455 ha. (after leaving safety zone & 7.5 m. Buffer Area)		
14.Zero level mRL	88.0 m amsl		
15.Max.& Min mrl within lease area	104.0 mRL- 90.0 mRL		
16.Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
	Lease Area		
	A	25°33'49.63"N	80°17'47.73"E
	B	25°33'53.34"N	80°17'51.19"E
	C	25°33'38.85"N	80°18'10.98"E
	D	25°33'35.47"N	80°18'13.51"E
	E	25°33'34.41"N	80°18'11.85"E
	F	25°33'37.53"N	80°18'09.55"E
	G	25°33'36.38"N	80°18'08.20"E
	H	25°33'35.76"N	80°18'08.72"E
	I	25°33'34.32"N	80°18'06.83"E
	J	25°33'34.84"N	80°18'05.96"E
	K	25°33'31.75"N	80°18'01.04"E
	L	25°33'29.37"N	80°18'10.53"E
	M	25°33'28.06"N	80°18'10.68"E
	N	25°33'28.90"N	80°17'59.79"E
	Workable Area (22.2211 ha.)		
	A	25°33'49.63"N	80°17'47.73"E
	B	25°33'53.34"N	80°17'51.19"E
	C	25°33'38.85"N	80°18'10.98"E
	D	25°33'35.47"N	80°18'13.51"E
	E	25°33'34.41"N	80°18'11.85"E
	F	25°33'37.53"N	80°18'09.55"E
	G	25°33'36.38"N	80°18'08.20"E
	H	25°33'35.76"N	80°18'08.72"E
	I	25°33'34.32"N	80°18'06.83"E
	J	25°33'34.84"N	80°18'05.96"E
	K	25°33'31.75"N	80°18'01.04"E
	N'	25°33'30.30"N	80°17'58.98"E
	Submerge Area (0.7789 ha.)		
	K	25°33'31.75"N	80°18'01.04"E
	L'	25°33'28.35"N	80°18'10.63"E
	M	25°33'28.06"N	80°18'10.68"E
N	25°33'28.90"N	80°17'59.79"E	
N'	25°33'30.30"N	80°17'58.98"E	
17.Total Geological Reserves	7,66,670 m <sup>3</sup>		
18.Total Mineable Reserves	4,61,241 m <sup>3</sup>		

19.Total Proposed Production (in five year)	23,00,000 m <sup>3</sup>														
20. Proposed Production for 5 years	<table border="1"> <thead> <tr> <th>Year</th><th>Production</th></tr> </thead> <tbody> <tr> <td>1<sup>st</sup></td><td>4,60,000 m<sup>3</sup></td></tr> <tr> <td>2<sup>nd</sup></td><td>4,60,000 m<sup>3</sup></td></tr> <tr> <td>3<sup>rd</sup></td><td>4,60,000 m<sup>3</sup></td></tr> <tr> <td>4<sup>th</sup></td><td>4,60,000 m<sup>3</sup></td></tr> <tr> <td>5<sup>th</sup></td><td>4,60,000 m<sup>3</sup></td></tr> <tr> <td>Total</td><td>23,00,000 m<sup>3</sup></td></tr> </tbody> </table>	Year	Production	1 <sup>st</sup>	4,60,000 m <sup>3</sup>	2 <sup>nd</sup>	4,60,000 m <sup>3</sup>	3 <sup>rd</sup>	4,60,000 m <sup>3</sup>	4 <sup>th</sup>	4,60,000 m <sup>3</sup>	5 <sup>th</sup>	4,60,000 m <sup>3</sup>	Total	23,00,000 m <sup>3</sup>
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5 <sup>th</sup>	4,60,000 m <sup>3</sup>														
Total	23,00,000 m <sup>3</sup>														
21.Sanctioned Period of Mine lease	5 Years														
22.Production of mine/day	2044.44 m <sup>3</sup>														
23.Method of Mining	Opencast Semi-Mechanized														
24.No.of working days	225 days														
25.Working hours/day	8 Hours/Day														
26.No.Of workers	52														
27.No.Of vehicle movement /day	171														
28.Type of Land	River Bed Govt. Land														
29.Ultimate Depth of Mining	2.30 meter (average)														
30.Nearest metalled road from site	0.60 km														
31. Water Requirement	<table border="1"> <thead> <tr> <th>PURPOSE</th><th>REQUIREMENT (KLD)</th></tr> </thead> <tbody> <tr> <td>Drinking</td><td>0.52</td></tr> <tr> <td>Suppression of dust</td><td>7.20</td></tr> <tr> <td>Plantation</td><td>1.18</td></tr> <tr> <td>Others( if any)</td><td>-----</td></tr> <tr> <td>Total</td><td>8.90</td></tr> </tbody> </table>	PURPOSE	REQUIREMENT (KLD)	Drinking	0.52	Suppression of dust	7.20	Plantation	1.18	Others( if any)	-----	Total	8.90		
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Suppression of dust	7.20														
Plantation	1.18														
Others( if any)	-----														
Total	8.90														
32. Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development)., Lucknow, U.P. QCI/NABET/EIA/1821/RA0120 Validity- May 01, 2021														
33. Any litigation pending against the project or land in any court	No														
34. Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Banda vide Letter No. 3884/Khanij-30, Banda Dated 03 <sup>rd</sup> Jan, 2019														
35. Details of Lease Area in approved DSR	Sudhi Patra no.-12/Paraya. Sachiv/Banda, Dated 28-02-2019 at S.No.- 07.														
36. Proposed CER cost	2.70 Lakh														
37. Proposed EMP cost	13.35 Lakh														
38. Length and breadth of Haul Road.	Length- 0.60 Km, Width- more than 6.0 m														
39. No. of Trees to be Planted	295														

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

#### **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 1 & 2 to these minutes regarding mining project. The committee also stipulated following specific conditions:**

1. Environment management in according to environmental status and impact of the project.
2. Selection of plants for green belt should be on the basis of pollution removal index.
3. No mining activity should be carried out in-stream channel as per SSMMG, 2016.
4. Pakka motorable haul road to be maintained by the project proponent.
5. 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.
6. Permission from the competent authority regarding evacuation route should be taken.
7. Project proponent should ensure survival of tree saplings. Mortality should be replaced from time to time.
8. Site Pit photographs should be submitted with date, time and point-coordinate within 15 days.
9. 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.
10. Provision for cylinder to workers should be made for cooking.
11. The capacity of trucks/tractor for loading purpose will be in tonnes as per Transport Department applicable norms and standard fixed by the Government.
12. Provide suitable mask to the workers.
13. Approach road kaccha is to be made motarable and tree saplings to be planted on both sides of the road.
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 with minimum Rs. 2.70 Lakh/annum 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. Work to be executed with 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 beneficiary and gram pradhan along with phone number, photographs should be submitted to Directorate as well as to the District magistrate / Chief Development Officers, Banda, U.P.
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. Width of the haul road shall be more than 6 meter.
25. 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.

**7. "Sand/Morrum" Project at Gata No.- Part of 72/47 & 74/1, (Khand No.- 02), Village- Pathri, Banda, U.P., (Leased Area -19.0 ha.). Shri Abhishek Jaiswal., File No. 4825/Proposal No. SIA/UP/MIN/ 36437/2019**

A presentation was made by the project proponent along with their consultant M/s PARAMARSH (Servicing Environment and Development). The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for "Sand/Morrum" mining at Gata No.- Part of 72/47 & 74/1, (Khand No.- 02), Village- Pathri, Banda, U.P., (Leased Area -19.0 ha.).
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 228/Parya/SEAC/4825/2019 dated 21/08/2019.
3. The public hearing was organized on 13/11/2019. Final EIA report submitted on 04/12/2019.
4. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/36437/2019		
2. File No .allotted by SEIAA,UP	4825		
3. Name of Proponent	M/s J.H.V. Steels Ltd. Director, Shri Abhishek Jaiswal S/o Shri Heeralal Jaiswal		
4. Full correspondence address of proponent and mobile no.	R/o- S.A.-3/16, Chhota Lalpur, Pandeypur, District- Varanasi, U.P.		
5. Name of Project	Sand/Morrum Mining Project		
6. Project location (Plot/ Khasra /Gata No.)	Gata No.- Part of 72/47 & Part of 74/1 (Khand No.- 02)		
7. Name of River	Ken		
8. Name of Village	Pathri		
9. Tehsil	Banda		
10. District	Banda		
11. Name of Minor Mineral	Sand/Morrum		
12. Sanctioned Lease Area (in Ha.)	19.0 ha.		
13. Mineable Area (in Ha.)	13.352 ha. (after leaving safety zone & 7.5 m. Buffer Area)		
14. Zero level mRL	87.0 mRL		
15. Max.& Min mrl within lease area	104.0 mRL- 91.0 mRL		
16. Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
	Lease Area		
	A	25°37'21.12"N	80°16'57.55"E
	B	25°37'25.80"N	80°16'43.87"E
	C	25°37'41.52"N	80°16'49.17"E
	D	25°37'30.87"N	80°17'01.85"E
	Workable Area		
	A	25°37'21.12"N	80°16'57.55"E
	A'	25°37'23.58"N	80°16'50.46"E
	C'	25°37'39.20"N	80°16'51.93"E
	D	25°37'30.87"N	80°17'01.85"E
	Submerge Area		
	A'	25°37'23.58"N	80°16'50.46"E
	B	25°37'25.80"N	80°16'43.87"E
	C	25°37'41.52"N	80°16'49.17"E
	C'	25°37'39.20"N	80°16'51.93"E
17. Total Geological Reserves	6,33,334 m <sup>3</sup>		
18. Total Mineable Reserves	3,86,793 m <sup>3</sup>		
19. Total Proposed Production (in five year)	19,00,000 m <sup>3</sup>		
20. Proposed Production for 5 years			
	Year	Production	

	1 <sup>st</sup>	3,80,000 m <sup>3</sup>	
	2 <sup>nd</sup>	3,80,000 m <sup>3</sup>	
	3 <sup>rd</sup>	3,80,000 m <sup>3</sup>	
	4 <sup>th</sup>	3,80,000 m <sup>3</sup>	
	5 <sup>th</sup>	3,80,000 m <sup>3</sup>	
	Total	19,00,000 m <sup>3</sup>	
21. Sanctioned Period of Mine lease	5 Years		
22. Production of mine/day	1688.89 m <sup>3</sup>		
23. Method of Mining	Opencast Semi-Mechanized		
24. No.of working days	225 days		
25. Working hours/day	8 Hours/Day		
26. No.Of workers	52		
27. No.Of vehicle movement /day	141		
28. Type of Land	River Bed Govt. Land		
29. Ultimate Depth of Mining	3.0 meter (average)		
30. Nearest metalled road from site	1.50 km		
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)	
	Drinking	0.52	
	Suppression of dust	9.00	
	Plantation	2.18	
	Others( if any)	-----	
	Total	11.70	
32. Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development)., Lucknow, U.P. QCI/NABET/EIA/1821/RA0120 Validity- May 01, 2021		
33. Any litigation pending against the project or land in any court	No		
34. Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Banda vide Letter No. Memo/Khanij-30, Banda Dated 28 <sup>th</sup> November, 2019		
35. Details of Lease Area in approved DSR	Sudhi Patra no.-12/Paraya. Sachiv/Banda, Dated 28-02-2019, at S.No.- 12.		
36. Proposed CER cost	2.50 Lakh		
37. Proposed EMP cost	17.40 Lakh		
38. Length and breadth of Haul Road.	Length- 1.50 Km, Width- more than 6.0 m		
39. No. of Trees to be Planted	545		

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

**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 & 2 to these minutes regarding mining project. The committee also stipulated following specific conditions:**

1. Environment management in according to environmental status and impact of the project.
2. Selection of plants for green belt should be on the basis of pollution removal index.

3. No mining activity should be carried out in-stream channel as per SSMMG, 2016.
4. Pakka motorable haul road to be maintained by the project proponent.
5. 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.
6. Permission from the competent authority regarding evacuation route should be taken.
7. Project proponent should ensure survival of tree saplings. Mortality should be replaced from time to time.
8. Site Pit photographs should be submitted with date, time and point-coordinate within 15 days.
9. 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.
10. Provision for cylinder to workers should be made for cooking.
11. The capacity of trucks/tractor for loading purpose will be in tonnes as per Transport Department applicable norms and standard fixed by the Government.
12. Provide suitable mask to the workers.
13. Approach road kaccha is to be made motarable and tree saplings to be planted on both sides of the road.
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 with minimum Rs. 2.50 Lakh/annum 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. Work to be executed with 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 beneficiary and gram pradhan along with phone number, photographs should be submitted to Directorate as well as to the District magistrate / Chief Development Officers, Banda, U.P.
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. Width of the haul road shall be more than 6 meter.
25. 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.

**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.,M/s Think Home Infrabuild Pvt. Ltd., Leased Area -23.00 ha. File No. 5298/4827/Proposal No. SIA/UP/MIN/47853/2019**

A presentation was made by the project proponent along with their consultant M/s PARAMARSH (Servicing Environment and Development). The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for 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., (Leased Area -23.00 ha.), M/s Think Home Infrabuild Pvt. Ltd.
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 226/Parya/SEAC/4827/2019 dated 21/08/2019.
3. The public hearing was organized on 08/11/2019. Final EIA report submitted on 04/12/2019.
4. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/36437/2019		
2. File No .allotted by SEIAA,UP	4825		
3. Name of Proponent	M/s J.H.V. Steels Ltd. Director, Shri Abhishek Jaiswal S/o Shri Heeralal Jaiswal		
4. Full correspondence address of proponent and mobile no.	R/o- S.A.-3/16, Chhota Lalpur, Pandeypur, District- Varanasi, U.P.		
5. Name of Project	Sand/Morrum Mining Project		
6. Project location (Plot/ Khasra /Gata No.)	Gata No.- Part of 72/47 & Part of 74/1 (Khand No.- 02)		
7. Name of River	Ken		
8. Name of Village	Pathri		
9. Tehsil	Banda		
10. District	Banda		
11. Name of Minor Mineral	Sand/Morrum		
12. Sanctioned Lease Area (in Ha.)	19.0 ha.		
13. Mineable Area (in Ha.)	13.352 ha. (after leaving safety zone & 7.5 m. Buffer Area)		
14. Zero level mRL	87.0 mRL		
15. Max.& Min mrl within lease area	104.0 mRL- 91.0 mRL		
16. Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
	Lease Area		
	A	25°37'21.12"N	80°16'57.55"E
	B	25°37'25.80"N	80°16'43.87"E
	C	25°37'41.52"N	80°16'49.17"E
	D	25°37'30.87"N	80°17'01.85"E
	Workable Area		
	A	25°37'21.12"N	80°16'57.55"E
	A'	25°37'23.58"N	80°16'50.46"E
	C'	25°37'39.20"N	80°16'51.93"E
	D	25°37'30.87"N	80°17'01.85"E
	Submerge Area		
	A'	25°37'23.58"N	80°16'50.46"E
	B	25°37'25.80"N	80°16'43.87"E
	C	25°37'41.52"N	80°16'49.17"E
	C'	25°37'39.20"N	80°16'51.93"E
17. Total Geological Reserves	6,33,334 m <sup>3</sup>		
18. Total Mineable Reserves	3,86,793 m <sup>3</sup>		
19. Total Proposed Production (in five year)	19,00,000 m <sup>3</sup>		

20. Proposed Production for 5 years	<table> <tr> <th>Year</th><th>Production</th></tr> <tr> <td>1<sup>st</sup></td><td>3,80,000 m<sup>3</sup></td></tr> <tr> <td>2<sup>nd</sup></td><td>3,80,000 m<sup>3</sup></td></tr> <tr> <td>3<sup>rd</sup></td><td>3,80,000 m<sup>3</sup></td></tr> <tr> <td>4<sup>th</sup></td><td>3,80,000 m<sup>3</sup></td></tr> <tr> <td>5<sup>th</sup></td><td>3,80,000 m<sup>3</sup></td></tr> <tr> <td>Total</td><td>19,00,000 m<sup>3</sup></td></tr> </table>	Year	Production	1 <sup>st</sup>	3,80,000 m <sup>3</sup>	2 <sup>nd</sup>	3,80,000 m <sup>3</sup>	3 <sup>rd</sup>	3,80,000 m <sup>3</sup>	4 <sup>th</sup>	3,80,000 m <sup>3</sup>	5 <sup>th</sup>	3,80,000 m <sup>3</sup>	Total	19,00,000 m <sup>3</sup>
Year	Production														
1 <sup>st</sup>	3,80,000 m <sup>3</sup>														
2 <sup>nd</sup>	3,80,000 m <sup>3</sup>														
3 <sup>rd</sup>	3,80,000 m <sup>3</sup>														
4 <sup>th</sup>	3,80,000 m <sup>3</sup>														
5 <sup>th</sup>	3,80,000 m <sup>3</sup>														
Total	19,00,000 m <sup>3</sup>														
21. Sanctioned Period of Mine lease	5 Years														
22. Production of mine/day	1688.89 m <sup>3</sup>														
23. Method of Mining	Opencast Semi-Mechanized														
24. No.of working days	225 days														
25. Working hours/day	8 Hours/Day														
26. No.Of workers	52														
27. No.Of vehicle movement /day	141														
28. Type of Land	River Bed Govt. Land														
29. Ultimate Depth of Mining	3.0 meter (average)														
30. Nearest metalled road from site	1.50 km														
31. Water Requirement	<table> <tr> <th>PURPOSE</th><th>REQUIREMENT (KLD)</th></tr> <tr> <td>Drinking</td><td>0.52</td></tr> <tr> <td>Suppression of dust</td><td>9.00</td></tr> <tr> <td>Plantation</td><td>2.18</td></tr> <tr> <td>Others( if any)</td><td>-----</td></tr> <tr> <td>Total</td><td>11.70</td></tr> </table>	PURPOSE	REQUIREMENT (KLD)	Drinking	0.52	Suppression of dust	9.00	Plantation	2.18	Others( if any)	-----	Total	11.70		
PURPOSE	REQUIREMENT (KLD)														
Drinking	0.52														
Suppression of dust	9.00														
Plantation	2.18														
Others( if any)	-----														
Total	11.70														
32. Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development)., Lucknow, U.P. QCI/NABET/EIA/1821/RA0120 Validity- May 01, 2021														
33. Any litigation pending against the project or land in any court	No														
34. Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Banda vide Letter No. Memo/Khanij-30, Banda Dated 28 <sup>th</sup> November, 2019														
35. Details of Lease Area in approved DSR	Sudhi Patra no.-12/Paraya. Sachiv/Banda, Dated 28-02-2019, at S.No.- 12.														
36. Proposed CER cost	2.50 Lakh														
37. Proposed EMP cost	17.40 Lakh														
38. Length and breadth of Haul Road.	Length- 1.50 Km, Width- more than 6.0 m														
39. No. of Trees to be Planted	545														

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

**RESOLUTION AGAINST AGENDA NO-08**

**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 & 2 to these minutes regarding mining project. The committee also stipulated following specific conditions:**

1. Environment management in according to environmental status and impact of the project.
2. Selection of plants for green belt should be on the basis of pollution removal index.
3. No mining activity should be carried out in-stream channel as per SSMMG, 2016.
4. Pakka motorable haul road to be maintained by the project proponent.
5. 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.
6. Permission from the competent authority regarding evacuation route should be taken.
7. Project proponent should ensure survival of tree saplings. Mortality should be replaced from time to time.
8. Site Pit photographs should be submitted with date, time and point-coordinate within 15 days.
9. 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.
10. Provision for cylinder to workers should be made for cooking.
11. The capacity of trucks/tractor for loading purpose will be in tonnes as per Transport Department applicable norms and standard fixed by the Government.
12. Provide suitable mask to the workers.
13. Approach road kaccha is to be made motarable and tree saplings to be planted on both sides of the road.
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 with minimum Rs. 2.50 Lakh/annum 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. Work to be executed with 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 beneficiary and gram pradhan along with phone number, photographs should be submitted to Directorate as well as to the District magistrate / Chief Development Officers, Banda, U.P.
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. Width of the haul road shall be more than 6 meter.
25. 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.

**9. Sand/Morrum Mining on Ken River Bed in Khand No.-03, Gata No.-Part of 100, at Village-Khapatiha, Tehsil-Pailani, Banda., Lease Area: 16.0 ha. File No. 5310/4564/Proposal No. SIA/UP/MIN/48227/2018**

**RESOLUTION AGAINST AGENDA NO-09**

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

**10. Sand/Morrum Mining along Yamuna River Bed in Khand No.-02 at Village-Daulatpur Kachhar, Tehsil-Bhognipur, District-Kanpur Dehat, U.P., M/s Anthracite Infra Pvt. Ltd., (Leased Area-12.15 Ha). File No. 5328/4940/Proposal No. SIA/UP/MIN/47581/2019**

A presentation was made by the project proponent along with their consultant M/s PARAMARSH (Servicing Environment and Development). The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Sand/Morrum Mining along Yamuna River Bed in Khand No.-02 at Village-Daulatpur Kachhar, Tehsil-Bhognipur, District-Kanpur Dehat, U.P., (Leased Area-12.15 Ha), M/s Anthracite Infra Pvt. Ltd.
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 274/Parya/SEAC/4940/2019 dated 25/09/2019.
3. The public hearing was organized on 23/11/2019. Final EIA report submitted on 30/11/2019.
4. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/47581/2019																	
2. File No. allotted by SEIAA, UP	4940																	
3. Name of Proponent	M/s Anthracite Infra Private Limited Shri Ankit Sachan S/o Shri Santosh Sachan																	
4. Full correspondence address of proponent and mobile no.	Shri Ankit Sachan S/o Shri Santosh Sachan, R/o B 202, Gopala Green Ratanlal Nagar, Thana – Govind Nagar, District – Kanpur Nagar, Uttar Pradesh.																	
5. Name of Project	Terms of Reference for Proposed River Bed Sand Mining having lease area 12.15 ha (30.00 acre) along River Yamuna in Khand No. 02 at Village – Daulatpur Kachhar, Tehsil –Bhognipur, District – Kanpur Dehat, U.P. of M/s Anthracite Infra Private Limited.																	
6. Project location (Plot/Khasra/Gata No.)	Khand No.2,																	
7. Name of River	Yamuna																	
8. Name of Village	Daulatpur Kachhar																	
9. Tehsil	Bhognipur																	
10. District	Kanpur Dehat																	
11. Name of Minor Mineral	River Bed Sand																	
12. Sanctioned Lease Area (in ha.)	12.15 ha																	
13. Zero level mRL	95.8																	
14. Max. & Min mRL within lease area	The highest level is 102.30 mRL the lowest level is 96.7 mRL																	
15. Pillar Coordinates (Verified by DMO)	<table><tr><td>Point</td><td>Latitude</td><td>Longitude</td></tr><tr><td>A</td><td>26° 08' 11.96"N</td><td>79° 45'5.60"E</td></tr><tr><td>B</td><td>26° 08' 22.54"N</td><td>79° 45'1.20"E</td></tr><tr><td>C</td><td>26° 08' 16.03"N</td><td>79° 44'49.40"E</td></tr><tr><td>D</td><td>26° 08' 05.30"N</td><td>79° 44'55.22"E</td></tr></table>			Point	Latitude	Longitude	A	26° 08' 11.96"N	79° 45'5.60"E	B	26° 08' 22.54"N	79° 45'1.20"E	C	26° 08' 16.03"N	79° 44'49.40"E	D	26° 08' 05.30"N	79° 44'55.22"E
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A	26° 08' 11.96"N	79° 45'5.60"E																
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C	26° 08' 16.03"N	79° 44'49.40"E																
D	26° 08' 05.30"N	79° 44'55.22"E																

	A1	26° 08' 17.17"N	79° 45'1.80"E
16. Geological Reserves	5,21,176 m <sup>3</sup>		
17. Mineable Reserves	1,94,403 m <sup>3</sup>		
18. Total Proposed Production	9,72,000 m <sup>3</sup> (5 Year)		
19. Proposed Production/year	1,94,400 m <sup>3</sup> /annum		
20. Sanctioned Period of Mine lease	5 years		
21. Production of mine/day	777 m <sup>3</sup>		
22. Method of Mining	Opencast semi- mechanized		
23. No. of working days	250		
24. Working hours/day	8 hrs		
25. No. of workers	55		
26. No. of vehicles movement/day	60		
27. Type of Land	Govt./Non Forest Land		
28. Depth of Mining	3.00 m		
29. Nearest metalled road from site	0.77 Km		
30. Water Requirement	PURPOSE	REQUIREMENT (KLD)	
	Drinking	0.55 KLD	
	Suppression of dust	9.24 KLD @1.0 L for 1 sqm (2 time a day)	
	Plantation	0.368 KLD @ 1 lit/plant	
	Total	10.16 KLD	
31. Name of QCI Accredited Consultant with QCI No period of validity.	Paramarsh (Servicing Environment and Development) 116 1 May 2021		
32. Any litigation pending against the project or land in any court	No		
33. Details of 500 m Cluster Map & certificate verified by Mining Officer	Letter No-282/UP Khanij Ka De Cluster/Parya/2019 dated 07.06.2019		
34. Details of Lease Area in approved DSR	Page No- 9 S.No. 5		
35. Proposed CER cost	Project cost – 65.0 lacs/annum CER – 1.30 lacs (2% of Total Cost)		
36. Length and breadth of Haul Road	0.77 km and 6m		
37. No. of trees to be planted	368		

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

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

**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 & 2 to these minutes regarding mining project. The committee also stipulated following specific conditions:**

1. Environment management in according to environmental status and impact of the project.
2. Selection of plants for green belt should be on the basis of pollution removal index.
3. No mining activity should be carried out in-stream channel as per SSMMG, 2016.
4. Pakka motorable haul road to be maintained by the project proponent.

5. 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.
6. Permission from the competent authority regarding evacuation route should be taken.
7. Project proponent should ensure survival of tree saplings. Mortality should be replaced from time to time.
8. Site Pit photographs should be submitted with date, time and point-coordinate within 15 days.
9. 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.
10. Provision for cylinder to workers should be made for cooking.
11. The capacity of trucks/tractor for loading purpose will be in tonnes as per Transport Department applicable norms and standard fixed by the Government.
12. Provide suitable mask to the workers.
13. Approach road kaccha is to be made motarable and tree saplings to be planted on both sides of the road.
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 with minimum Rs. 1.30 Lakh/annum 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. Work to be executed with 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 beneficiary and gram pradhan along with phone number, photographs should be submitted to Directorate as well as to the District magistrate / Chief Development Officers, Kanpur Dehat, U.P.
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. Width of the haul road shall be more than 6 meter.
25. 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.

**11. Sand/Morrum Mining along Yamuna River Bed in Gata No.-826mi/2 at Village-Behmai, Tehsil-Sikandara, District-Kanpur Dehat, U.P., M/s Laxmi Khad Bhandar, (Leased Area-25.0 Ha). File No. 5329/4941/Proposal No. SIA/UP/MIN/47943/2019**

A presentation was made by the project proponent along with their consultant M/s PARAMARSH (Servicing Environment and Development). The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Sand/Morrum Mining along Yamuna River Bed in Gata No.- 826mi/2 at Village-Behmai, Tehsil-Sikandara, District-Kanpur Dehat, U.P., (Leased Area-25.0 Ha), M/s Laxmi Khad Bhandar.
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 275/Parya/SEAC/4941/2019 dated 25/09/2019.
3. The public hearing was organized on 25/11/2019. Final EIA report submitted on 05/12/2019.
4. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/47943/2019																																	
2. File No. allotted by SEIAA, UP	4941																																	
3. Name of Proponent	M/s Laxmi Khad Bhandar Shri Bhagwan Das Gupta (Prop)																																	
4. Full correspondence address of proponent and mobile no.	Shri Bhagwan Das Gupta S/o Shri Laxmi Narayan Gupta R/o Village and Post – Maharajpur, Thana – Maharajpur, District – Kanpur Nagar, Uttar Pradesh - 209402																																	
5. Name of Project	Proposed River Bed Sand/Morrum Mining having lease area 25.0 ha (61.77 acre) along River Yamuna in Gata No.- 826mi/2, at Village Behmai, Tehsil- Sikandara, District-Kanpur Dehat, U.P., M/s Laxmi Khad Bhandar, (Leased Area-25.0 Ha)																																	
6. Project location (Plot/Khasra/Gata No.)	826mi/2																																	
7. Name of River	Yamuna																																	
8. Name of Village	Behmai																																	
9. Tehsil	Sikandara																																	
10. District	Kanpur Dehat																																	
11. Name of Minor Mineral	Sand																																	
12. Sanctioned Lease Area (in ha.)	Area 25.0 ha																																	
13. Zero level mRL	98																																	
14. Max. & Min mRL within lease area	The highest level is 104.1 mRL The lowest level is 98 mRL																																	
15. Pillar Coordinates (Verified by DMO)	<table><tr><td>Point</td><td>Latitude</td><td>Longitude</td></tr><tr><td>A</td><td>26° 15’ 32.00’N</td><td>79° 35’ 46.10’E</td></tr><tr><td>B</td><td>26° 15’ 28.40’N</td><td>79° 36’ 04.87’E</td></tr><tr><td>C</td><td>26° 15’ 13.93’N</td><td>79° 36’ 03.51’E</td></tr><tr><td>D</td><td>26° 15’ 16.60’N</td><td>79° 35’ 42.04’E</td></tr><tr><td colspan="3">Submerged Area</td></tr><tr><td>S1</td><td>26° 15’ 19.68’N</td><td>79° 35’ 42.92’E</td></tr><tr><td>S2</td><td>26° 15’ 19.25’N</td><td>79° 35’ 52.83’E</td></tr><tr><td>S3</td><td>26° 15’ 17.80’N</td><td>79° 35’ 58.54’E</td></tr><tr><td>C</td><td>26° 15’ 13.93’N</td><td>79° 36’ 03.51’E</td></tr><tr><td>D</td><td>26° 15’ 16.60’N</td><td>79° 35’ 42.04’E</td></tr></table>	Point	Latitude	Longitude	A	26° 15’ 32.00’N	79° 35’ 46.10’E	B	26° 15’ 28.40’N	79° 36’ 04.87’E	C	26° 15’ 13.93’N	79° 36’ 03.51’E	D	26° 15’ 16.60’N	79° 35’ 42.04’E	Submerged Area			S1	26° 15’ 19.68’N	79° 35’ 42.92’E	S2	26° 15’ 19.25’N	79° 35’ 52.83’E	S3	26° 15’ 17.80’N	79° 35’ 58.54’E	C	26° 15’ 13.93’N	79° 36’ 03.51’E	D	26° 15’ 16.60’N	79° 35’ 42.04’E
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C	26° 15’ 13.93’N	79° 36’ 03.51’E																																
D	26° 15’ 16.60’N	79° 35’ 42.04’E																																
16. Submerged Area	5.1 ha																																	
17. Workable Area	19.90 ha																																	
18. Geological Reserves	5,66,842 m <sup>3</sup>																																	
19. Mineable Reserves	3,00,180 m <sup>3</sup>																																	
20. Total Proposed Production	15,00,000 m <sup>3</sup> (5 Year)																																	
21. Proposed Production/year	3,00,000 m <sup>3</sup>																																	

22. Sanctioned Period of Mine lease	5 years	
23. Production of mine/day	1200 m <sup>3</sup>	
24. Method of Mining	Opencast semi- mechanized	
25. No. of working days	250	
26. Working hours/day	8 hrs	
27. No. of workers	85	
28. No. of vehicles movement/day	90	
29. Type of Land	Govt./Non Forest Land	
30. Depth of Mining	3.0 m	
31. Nearest metalled road from site	0.90 km	
32. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking	0.85 KLD
	Suppression of dust	10.8 KLD @1.0 L for 1 sqm (2 time a day)
	Plantation	0.485 KLD @ 1 lit/plant
	Total	12.13 KLD
33. Name of QCI Accredited Consultant with QCI No period of validity.	Paramarsh (Servicing Environment and Development) 116 01 May 2021	
34. Any litigation pending against the project or land in any court	No	
35. Details of 500 m Cluster Map & certificate verified by Mining Officer	DM, Kanpur Dehat, granted the LoI with vide letter 276/उप खनिज - ई0 टेण्डर सह ई नीलामी /सहमति पत्र /2018-19 , dated 06 June, 2019	
36. Details of Lease Area in approved DSR	Page No- 9, Sr.No.12 of DSR	
37. Proposed CER cost	Project cost – 90.0 lacs /annum CER – 1.80 lacs (2% of Total Cost)	
38. Length and breadth of Haul Road	0.90 m and 6m	
39. No. of trees to be planted	485	

- 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).

#### **RESOLUTION AGAINST AGENDA NO-11**

**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 & 2 to these minutes regarding mining project. The committee also stipulated following specific conditions:**

- Environment management in according to environmental status and impact of the project.
- Selection of plants for green belt should be on the basis of pollution removal index.
- No mining activity should be carried out in-stream channel as per SSMMG, 2016.
- Pakka motorable haul road to be maintained by the project proponent.
- 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.
- Permission from the competent authority regarding evacuation route should be taken.
- Project proponent should ensure survival of tree saplings. Mortality should be replaced from time to time.

8. Site Pit photographs should be submitted with date, time and point-coordinate within 15 days.
9. 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.
10. Provision for cylinder to workers should be made for cooking.
11. The capacity of trucks/tractor for loading purpose will be in tonnes as per Transport Department applicable norms and standard fixed by the Government.
12. Provide suitable mask to the workers.
13. Approach road kaccha is to be made motarable and tree saplings to be planted on both sides of the road.
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 with minimum Rs. 1.80 Lakh/annum 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. Work to be executed with 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 beneficiary and gram pradhan along with phone number, photographs should be submitted to Directorate as well as to the District magistrate / Chief Development Officers, Kanpur Dehat, U.P.
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. Width of the haul road shall be more than 6 meter.
25. 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.

**12. Clinker Grinding Unit with Cement Production Capacity of 2.0 MTPA and D.G. Set (1000 KVA) at Village-Gadar, Pragana-Khiragarh, Tehsil-Meja, District- Allahabad, U.P., Shri Mithlesh Gupta, M/s KJS Cement (I) Ltd. File No. 5024/Proposal No. SIA/UP/IND/39131/2019**

The committee noted that the matter was earlier discussed in 425<sup>th</sup> SEAC meeting dated 11/10/2019 and the project proponent did not appear in the meeting. The project proponent through letter dated 30/12/2019 has requested to list the matter in upcoming SEAC meeting. Hence, the matter was listed in 444<sup>th</sup> SEAC meeting dated 08/01/2020.

A presentation was made by the project proponent along with their consultant M/s J.M. Enviro Net Pvt. Ltd. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for Clinker Grinding Unit with Cement Production Capacity of 2.0 MTPA and D.G. Set (1000 KVA) at Village-Gadar, Pragana-Khairagarh, Tehsil-Meja, District-Allahabad, U.P., M/s KJS Cement (I) Ltd.

2. Project details:

Project Proposal	Unit	Proposed Capacity
	Cement (MPTA)	2.0
	D.G Set (KVA)	1000
Screening Category	As per EIA Notification dated 14 <sup>th</sup> Sept., 2006 and as amended from time to time; this project falls under S. No. 3 (Material Production), Project or Activity ‘3(b)’ Cement Plants.	
Two Products are envisaged: <ul style="list-style-type: none"><li>• Ordinary Portland Cement (OPC) – 10%</li><li>• Portland Pozzolana Cement (PPC) (Type 1: 70 % &amp; Type 2: 20%)</li><li>• The total production will be 2.0 MTPA cement including OPC and PPC.</li></ul>		

3. Project site details:

S. No.	Particulars	Details
A.	Location Details	
1.	Village	Gadar
2.	Pargana	Khairagarh
3.	Tehsil	Meja
4.	District	Prayagraj
5.	State	Uttar Pradesh
B.	Geographical Co-ordinates	
1.	Latitude	25° 07' 29.89" N to 25° 07' 46.68" N
2.	Longitude	81° 57' 18.45" E to 81° 57' 50.84" E
3.	Toposheet No.	G44P16 (63G/16 ) & G44Q4 (63 K/4)
C.	Area Details	
1.	Total Project area	15.08 ha
2.	Greenbelt / Plantation area	5.0 ha (~33 % of the total project area)

4. Salient features of the project:

S. No.	Particulars	Requirement		Source
A.	Basic Requirements			
1.	Water Requirement	300 KLD		Ground Water
2.	Power Requirement	12.5 MW		Source: UP Power Transmission Corporation Limited and DG set for Emergency
3.	Manpower Requirement	Implementation Phase	42	Unskilled / Semi-skilled - local area, skilled - outside/ local
		Operational Phase	176	
		Total Requirement	218	
B.	Cost Details			
1.	Total Cost of the Project		Rs. 459 Crores	
2.	Cost for Environmental Protection Measures			
	Capital Cost -		Rs. 3.0 Crores	
	Recurring Cost -		Rs. 30 Lakhs / annum	

5. Raw material details:

S. No.	Material	Quantity (MTPA)	Source	Distance & Mode of Transportation
1.	Clinker	1.5	Integrated Cement Plant at Maihar (Madhya Pradesh)	225 Km / Road
2.	Mineral Gypsum	0.13	Mineral gypsum imported from Iran/ Oman for Integrated Cement Plant at Maihar	225 Km / Road

3.	Fly ash	0.875	NTPC, Meja	5 Km / Road
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**6. Fuel requirement details:**

S. No.	Name of Fuel	Quantity Required	Calorific value (Kcal. /kg)	% Ash	% Sulphur	Source	Distance & Mode of Transportation
1.	Diesel (HSD)	5 KLD	10000	Nil	0.05%	IOC Pump station adjacent to proposed project	Adjacent / Tanker

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

**RESOLUTION AGAINST AGENDA NO-12**

**The committee discussed the matter and recommended to issue terms of reference (TOR) for the preparation of Environment Impact Assessment Report (EIA) regarding the project:**

- 1) Executive Summary.
- 2) Introduction:
  - i. Details of the EIA Consultant including NABET accreditation
  - ii. Information about the project proponent
  - iii. Importance and benefits of the project
- 3) Project Description
  - i. Cost of project and time of completion.
  - ii. Products with capacities for the proposed project.
  - iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
  - iv. List of raw materials required and their source along with mode of transportation.
  - v. Other chemicals and materials required with quantities and storage capacities
  - vi. Details of Emission, effluents, hazardous waste generation and their management.
  - vii. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract)
  - viii. Process description along with major equipments and machineries, process flow sheet (quantative) from raw material to products to be provided
  - ix. Hazard identification and details of proposed safety systems.
  - x. Expansion/modernization proposals:
    - a. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing existing operation of the project from SPCB shall be attached with the EIA-EMP report.
    - b. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 06 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.
- 4) Site Details

- i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
  - ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
  - iii. Details w.r.t. option analysis for selection of site
  - iv. Co-ordinates (lat-long) of all four corners of the site.
  - v. Google map-Earth downloaded of the project site.
  - vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
  - vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
  - viii. Landuse break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
  - ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
  - x. Geological features and Geo-hydrological status of the study area shall be included.
  - xi. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
  - xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
  - xiii. R&R details in respect of land in line with state Government policy
- 5) Forest and wildlife related issues (if applicable):
- i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)
  - ii. Landuse map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha).
  - iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
  - iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon.
  - v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area
  - vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife
- 6) Environmental Status:
- i. Determination of atmospheric inversion level at the project site and site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.

- ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
  - iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQPM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
  - iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
  - v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
  - vi. Ground water monitoring at minimum at 8 locations shall be included.
  - vii. Noise levels monitoring at 8 locations within the study area.
  - viii. Soil Characteristic as per CPCB guidelines.
  - ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
  - x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule- I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
  - xi. Socio-economic status of the study area.
- 7) Impact and Environment Management Plan
- i. Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
  - ii. Water Quality modelling - in case of discharge in water body
  - iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor- cum-rail transport shall be examined.
  - iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
  - v. Details of stack emission and action plan for control of emissions to meet standards.
  - vi. Measures for fugitive emission control
  - vii. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
  - viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan

of action shall be provided.

- ix. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
  - x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
  - xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
  - xii. Action plan for post-project environmental monitoring shall be submitted.
  - xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.
- 8) Occupational health:
- i. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers
  - ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above mentioned parameters as per age, sex, duration of exposure and department wise.
  - iii. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
  - iv. Annual report of health status of workers with special reference to Occupational Health and Safety.
- 9) Corporate Environment Policy:
- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
  - ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
  - iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
  - iv. Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report
- 10) Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.
- 11) Corporate Environmental Responsibility (CER):
- i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.
  - ii. Any litigation pending against the project and/or any direction/order passed by any Court of Law

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

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

- 12) Limestone and coal linkage documents along with the status of environmental clearance of limestone and coal mines
- 13) Quantum of production of coal and limestone from coal & limestone mines and the projects they cater to;
- 14) For large Cement Units, a 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site.
- 15) Present land use shall be prepared based on satellite imagery. High-resolution satellite image data having 1m-5m spatial resolution like quick bird, Ikonos, IRS P-6 pan sharpened etc. for the 10 Km radius area from proposed site. The same shall be used for land used/land-cover mapping of the area.
- 16) If the raw materials used have trace elements, an environment management plan shall also be included.
- 17) Plan for the implementation of the recommendations made for the cement plants in the CREP guidelines must be prepared.
- 18) Energy consumption per ton of clinker and cement grinding
- 19) Provision of waste heat recovery boiler
- 20) Arrangement for use of hazardous waste

**13. Expansion of "Candor Techspace" IT Park at Block-B, Plot No.-02, Sector- 62, Noida, Gautam Budh Nagar, U.P., M/s Shantiniketan Properties Pvt. Ltd. File No. 5112/Proposal No. SIA/UP/NCP/44311/2019**

**RESOLUTION AGAINST AGENDA NO-13**

The SEAC observed that the project is categorized under B-1 category according to the provision of EIA Notification, 2006 (as amended thereof). A clarification has been issued by the MoEF&CC, O.M. dated 30/12/2019 wherein the Ministry has directed that "in respect of the cases where application were received but not yet taken for SEAC/UTSEAC (class III) may be transferred to Ministry for dealing at central level as per O.M. dated 31/10/2019. Hence, SEAC opined that the project proponent may apply at central level as per the O.M. dated 31/10/2019, thus the project file as closed.

**14. Establishment of New Tannery Unit of Capacity 1750 hides per day at Gata No-1698, 1726, 1729, 1735, 1736 & 1739, Vill-Banthar, Unnao, U.P., M/s Model Exims (India) Pvt Ltd. File No. 5127/3479/Proposal No. SIA/UP/IND/44735/2019**

The committee noted that the matter was earlier discussed in 433<sup>rd</sup> SEAC meeting dated 21/11/2019 and directed the project proponent to submit following information:

1. Geo coordinates & photographs with date and time should be submitted.
2. Plan for proper storage for raw material as per rules.
3. Plan for continuous online monitoring system details.
4. Under taking regarding storage of leather cutting.
5. Revised environmental management cell with details of post and qualification.
6. CER details.
7. Analytical test report with raw data.

The project proponent submitted their replies through letter dated 10/12/2019. Hence, the matter was listed in 444<sup>th</sup> SEAC meeting dated 08/01/2020. A presentation was made by the project proponent along with

their consultant M/s Earth Protection Group Environmental Consultants Pvt. Ltd. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for Establishment of New Tannery Unit of Capacity 1750 hides per day at Gata No-1698, 1726, 1729, 1735, 1736 & 1739, Vill-Banthar, Unnao, U.P., M/s Model Exims (India) Pvt. Ltd.
2. Project details:

Particulars	Details
Name of project	M/s Model Exims (India) Pvt. Ltd.
Location of site	Gata no. 1698, 1726, 1729, 1735 & 1739 of village Bathar, District Unnao, Uttar Pradesh
Latitude/Longitude	26.473486°/80.457246°
Total proposed Capacity	1750 hides per day (from raw hides to finished leather)
Land required	2.134 ha, i.e. about 21324 m <sup>2</sup>
Greenbelt / Plantation Area	33% of the total land area
Estimated project cost	INR 9.58 crore
Manpower Requirement	During Construct phase: 150 Nos. During Operation phase: 500 Nos.
Steam requirement	Boiler capacity 05 T (02 + 03 T) to meet 4 TPH steam requirement.
Power & Power Backup (DG Set)	➤ 1000 KVA required power shall be supplied by "Madhyanchal Vidhut Nigam Ltd". ➤ 03 nos. standby DG sets of capacity 500 KVA proposed for power supplying during power failure
Nearest highway	NH-25 (Lucknow –Kanpur): 800 meter
Nearest railhead / Railway station	Magarwara-06 km Unnao Junction-8.5 km
Nearest airport	Lucknow- 55 km
Wild life sanctuaries	Nawabganj Bird Sanctuary approximate 24 Km
Nearest major city	Unnao about 08 Km
Rivers	Ganga River approximate 06 Km (aerial)
Seismic zone	Seismic zone III as per UEVRP
Defence installations	None
Archaeological important places	None
Hill ranges	None

3. Land use details:

S.N.	Particulars	Break-up of total land (m <sup>2</sup> )	Percentage
1.	Covered Area of Shed-1	3008.69	14.11
2.	Covered Area of Shed-2	4071.59	19.09
3.	Effluent Treatment Plant Area	3000.00	14.07
4.	Road area	4038.28	18.94
5.	Open + Green Area	7201.48	33.77
	Total	21324.00	99.98

4. Proposed facility of the project:

- Process Shed
- Briquettes/Coal fired Boiler: 01 of capacity 5.0 T (03 T + 02 T)
- Gen Set: 03 nos. of capacity 500 KVA each
- Compressor 02 nos.
- Cooling Tower
- Effluent Treatment Plant
- RO & Solar Energy based evaporation system
- Sewage Treatment Plant
- Fire water storage tank

5. Raw material details:

S. N.	Chemical	Consumption
1.	Raw Hide	1750 nos. (35 T/Day)
2.	Hydrated Lime	1400.00 Kg/Day
3.	Sodium Hydro sulphide	1350.00 Kg/Day
4.	Basic Chrome Sulphate	2700.00 Kg/Day
5.	Sulfuric and/or Formic acid	500.00 Kg/Day
6.	Common salt	000.00 Kg/Day
7.	Sodium bicarbonate	650.00 Kg/Day
8.	Ammonium Sulphate/ Ammonium Chloride	1500.00 Kg/Day
9.	Sodium Formate	420.00 Kg/Day
10.	Alum (ETP)	40 Kg/day
11.	Polyelectrolyte (ETP)	05 Kg/day
12.	Syntans	1000 Kg/day
13.	Fat liquors	1750 Kg/day
14.	Dyes	200 Kg/day
15.	Various enzymes	300 Kg/day
16.	Acid & salt replacement	600 kg/day

6. Water requirement details:

S.N	Particulars	Quantity
1.	Process water requirements	1173 KL/Day
2.	Water reused in process	64 KL/Day
3.	Net Fresh water requirement in process	1109 KL/Day
4.	Boiler Feed Water	5 KL/ day
5.	Domestic during operation including visitors (@45 litres for regular employees & @10 litre for visitors)	23.0 KL / day
6.	Total water requirement during Operation	1137 KL/day
7.	Domestic need during construction (@45 litres)	6.7 KL/day

7. Waste water generation details:

S. N.	Purpose	Consumption rate	Usage	Total requirement (KL/d)	Wastewater produced (KL/d)
1	Process	33.5 L/kg raw hide	Process	1173 - 64 (reused)=1109	1066
2	Boiler	5 KL/d	Boiler feed water	5	2.5
3	Domestic	@45 L	500 nos. regular employee	23	18
	Domestic	@10 L	50 nos. visitors & other	0.5	0.4
	Domestic*	@45 L	150 nos. construction workers	6.7	5.4

8. Hazardous waste details:

Category No. Type (Schedule-I)	Quantity	Method of disposal
Category No.-5.1 Type - Used or spent oil	1.0 KL/Year	Disposed off through SPCB approved recyclers
Category No.- 30.1 Type- Chromium bearing residue and sludge	2.1 T/D	Disposed off through TSDF (Treatment, Storage, and Disposal Facility).

9. The project proposal falls under category-4(f) of EIA Notification, 2006 (as amended).

**RESOLUTION AGAINST AGENDA NO-14**

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

- I. The project proponent shall not discharge any chrome bearing effluent from the premises and install technically sound a separate Effluent Treatment Plant (RO) for the treatment of 80 KLD chrome bearing

effluent and the 64 KLD treated effluent from RO will be reuse in chrome tanning and maintain the concept of Zero Liquid Discharge.

- II. The project proponent shall install a separate Effluent Treatment Plant for the treatment of 986 KLD effluent generated from other process. The excess treated water i.e. 853.7 KLD discharged into nearby drains after achieving the CPCB standards/norms with prior permission from the competent authority.
- III. The project proponent shall install a separate Effluent Treatment System for major salt bearing effluent and evaporate the high salt containing effluent to ensure this effluent does not increase the total FDS above the prescribed standards and the treated effluent discharge to the nearby drain through Online monitoring system.
- IV. The project proponent shall collect, handle and store chrome bearing waste properly in the premises to avoid the percolation in soil and dispose as per the guidelines of CPCB/UPPCB.
- V. The project proponent shall establish a separate Environment Management Cell headed by well qualified person with supporting staff and laboratory to monitor and manage environment management plan as proposed by proponent.
- VI. As per proposal of project proponent, the project proponent shall follow all the possible technologies as incorporated in final draft guidelines of CPCB (March-2019) named "Guidelines for Environmental Improvement in Leather Tannery Sector". Further they shall also adopt salt free pickling techniques.
- VII. The project proponent shall install continuous emission monitoring system on the stack of boiler to monitor the parameter named PM, SO<sub>2</sub>, NO<sub>2</sub> & Temp and Online monitoring system will be installed at the outlet of ETP as per CPCB guideline to monitor the parameter named PH, BOD, COD, TSS, DO and will be connected with CPCB server.
- VIII. Statutory compliance:
  1. 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.
  2. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
  3. 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)
  4. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
  5. 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.
- IX. Air quality monitoring and preservation:
  1. The project proponent shall install emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986.
  2. The project proponent shall monitor fugitive emissions (for PM<sub>2.5</sub>, PM<sub>10</sub>, NH<sub>3</sub> and VOCs) in the plant premises at least once in a year through labs recognized under Environment (Protection) Act, 1986.
  3. The project proponent shall submit monthly summary report of monitoring of air quality /

fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB in the six-monthly monitoring report.

4. The project proponent shall provide appropriate Air Pollution Control (APC) system for all the emission generating points so as to comply prescribed stack emission standards (if any stack is proposed).
5. Adequate method shall be adopted to control odour and a report submitted to the Ministry's Regional Office.
6. The Company shall provide stacks of adequate height to the D.G. Sets along with acoustic enclosures for noise control as per guidelines. The DG Sets should comply with the norms notified.

X. Water quality monitoring and preservation:

1. The project proponent shall install 24x7 continuous effluent monitoring system at discharge points for effluents with respect to standards prescribed in Environment (Protection) Rules 1986 and connect to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2. The effluent shall monitor manually with respect to standards prescribed in Environment (Protection) Rules 1986 at least once in every quarter through labs recognised under Environment (Protection) Act, 1986.
3. 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 recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.
4. Ground water monitoring around the solid waste disposal site/secured landfill (SLF), if any, should be carried out regularly
5. 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 .
6. The project proponent provide the ETP for effluent to meet the standards prescribed under the Environment (Protection) Rules, 1986 as amended from time to time.
7. The project proponent allows the treated effluent to be discharged in the ambient environment only after exhausting options for reuse in order to minimise freshwater usage. (in case of the large scale tanneries in sensitive / critical areas-implement Zero Liquid Discharge)
8. Wastewater after primary treatment should be discharged into the CETP through a closed pipeline.
9. At 100% utilization of the processing capacity, the total effluent generated from the leather complex should not exceed stipulated limit. All tanneries located in the area should install required pre-treatment facilities in their tannery. The entire effluent generated (except chrome liquor) after pre-treatment, should be treated in the CETP and it shall meet the prescribed CETP standards. The final CETP design and recommended standards should be approved by a Govt. institute such as NEE RI, CLRI, IITs, NITs.
10. Provide Sewage Treatment Plant for domestic wastewater in case there is no municipal sewer line to convey sewage for treatment at Municipality sewage treatment plant.

11. 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.
  12. The project proponent shall practice rainwater harvesting to maximum possible extent.
  13. Water meters shall be provided at the inlet to all unit processes in the steel plants.
  14. The project proponent shall make efforts for reduction in specific water and power consumption and increase in the recycling of the treated effluent.
- XI. Noise monitoring and prevention:
1. 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.
- XII. Energy Conservation measures:
1. 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;
  2. Provide LED lights in their offices and residential areas.
- XIII. Waste management:
1. Spent chrome liquor should be segregated at the tannery premises and collected separately and processed for recovery and reuse of chromium in the tanneries. The process adopted should be the one involving precipitation of chromium with the help of a suitable alkali. Design of the proposed continuous Chrome Recovery plant should be approved by a Govt. institute such as NEERI, CLRI, IITs, NITs.
  2. In-house various salt control measures shall be adopted by tanneries such as mechanical desalting of hide, counter current soaking and recycling of pickle liquor to reduce TDS.
  3. The company shall dispose of solid waste in the secured double lined landfill site. The fleshings from the tannery shall be supplied to the manufacturers of dog chew and glue or properly dispose of in environment-friendly manner.
  4. The waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016 and Solid Waste Management Rules, 2016.
- XIV. Green Belt:
1. Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant
- XV. Public hearing and Human health issues:
1. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
  2. ii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- XVI. Corporate Environment Responsibility:
1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017- IA.III dated 1<sup>st</sup> May 2018, as applicable, regarding Corporate Environment Responsibility.
  2. The company shall have a well laid down environmental policy duly approved by the

Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation /violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation/ violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive , who will directly to the head of the organization.
4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
5. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
6. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the tannery sector shall be implemented.

**XVII. Miscellaneous:**

1. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
5. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
6. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
7. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.

8. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
9. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
10. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
11. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12. The Ministry reserves the right to stipulate additional conditions if found necessary.
13. The Company in a time bound manner shall implement these conditions. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
14. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
15. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

**(Dr. Sarita Sinha)**  
**Member**

**(Dr. Virendra Misra)**  
**Member**

**(Dr. Pramod Kumar Mishra)**  
**Member**

**(Dr. Ranjeet Kumar Dalela)**  
**Member**

**(Dr. Ajoy Kumar Mandal)**  
**Member**

**(Shri Meraj Uddin)**  
**Member**

**(Shri Rajive Kumar)**  
**Member**

**(Dr. (Prof.) S. N. Singh)**  
**Chairman**

**Annexure-1**

**GENERAL CONDITIONS PRESCRIBED BY SEIAA/SEAC, UP 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 Ministry of Environment and Forests and its Regional Office located at 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 Regional Office of the Ministry of Environment and Forests, 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.

**Annexure-2**

**Specific Conditions for Sand Moram Mining :-**

1. 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.
2. If in future this lease area becomes part of cluster of equal to or more than 25 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.
3. The Environmental clearance will be co-terminus with the mining lease period.
4. Project falling within in 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.
5. 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.
6. Geo coordinates should be verified by Director, DGM/District Magistrate/Regional Mining Officer/NHAI and should be submitted to SEIAA/SEAC, Secretariat as earliest.
7. 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 25ha, but factually the distance is less than 500 mt and the mine is located in cluster of area equal or more than 25ha, the E.C issued will stand revoked.
8. 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.
9. 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.
10. It shall be ensured that there shall be no mining of any type within 03 m or 10% of the width whichever 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.
11. 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.
12. 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.
13. The project proponent shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.
14. 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.
15. 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)].
16. 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.
17. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
18. The extended mining scheme will be submitted by the proponent before expiry of present mining plan.

19. 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.
20. 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.
21. Proponent will provide adequate sanitary facility in the form of mobile toilets to the labours engaged for the project work.
22. Solid waste material viz., gutkha pouchs, plastic bags, glasses etc. to be generated during project activity will be separately storage in bins and managed as per Solid Waste Management rules.
23. Green area/belt to be developed along haulage road in consultation of Gram Sabha/Panchyat.
24. Natural/customary paths used by villagers should not be obstructed at any time by the activities proposed under the project.
25. 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 Regional office of MoEF, SEIAA, U.P. and UPPCB.
26. A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation has been received while processing the proposal. The clearance letter shall also be put on the website of the company.
27. State Pollution Control Board shall display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office/Tehsildar's Office for 30 days.
28. 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 Regional Office of the Ministry located in Lucknow, CPCB, State PCB.
29. The MoEF/SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
30. 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.
31. 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.
32. Waste water from potable use be collected and reused for sprinkling.
33. During the school opening and closing time vehicle movement will be restricted.
34. 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.