

### **Minutes of 465<sup>th</sup> SEAC Meeting Dated 20/05/2020**

The 465<sup>th</sup> meeting of SEAC was held through video/tele-conferencing/ email in view of the Corona Virus Disease (Covid-19) on 20/05/2020. Following members were participate in the online meeting:

- |    |                           |          |
|----|---------------------------|----------|
| 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 Rajive Kumar,        | Member   |
| 8. | Shri Meraj Uddin,         | Member   |
| 9. | Prof. S.K. Upadhyay,      | Member   |

The Chairman welcomed the members to the 465<sup>th</sup> SEAC meeting which was conducted online.

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

**1. Revision & Expansion of Group Housing "Vilaasa" at Plot No.-GH-01B(2), Sector-ETA-2, Greater Noida.,M/s Yamuna BUILTECH Pvt. Ltd. File No. 5506/Proposal No. SIA/UP/MIS/49785/2019**

A presentation was made by the project proponent through video/tele-conferencing/ email in view of the Corona Virus Disease (Covid-19) along with their consultant M/s Ambiental Global Private Ltd. The committee discussed the matter and directed the project proponent to submit following information:

1. Certified compliance report for the earlier environmental clearance.
2. Bifurcation of percentage of hard and soft green area.
3. Permission letter from Municipal Corporation or competent authority to dispose the sewage to their sewer line.
4. Capacity of STP should be increased to 450 KLD.
5. Revised plan for solid waste management.
6. Project proponent should explore the possibility of emergency exit separately.
7. The term revision and expansion in title should be explained properly.

The matter shall be discussed after submission of online information on prescribed portal.

**2. Capacity expansion of DCM Shriram Ltd., Sugar Unit- Rapapur from 6500 TCD Sugar Mill along with 8.5 MW Cogeneration power plant to 12500 TCD along with 55 MW cogeneration power plant at Village- Munder, P.O.- Munder, Distt.-Hardoi, M/s DSCL Sugar Rapapur. File No. 5544/4175/Proposal No. SIA/UP/IND2/51404/2018**

A presentation was made by the project proponent through video/tele-conferencing/ email in view of the Corona Virus Disease (Covid-19) along with their consultant M/s Vardan Environet. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for Capacity expansion of DCM Shriram Ltd., Sugar Unit- Rapapur from 6500 TCD Sugar Mill along with 8.5 MW Cogeneration power plant to 12500 TCD along with 55 MW cogeneration power plant at Village- Munder, P.O.- Munder, Distt.-Hardoi, M/s DSCL Sugar Rapapur.

2. Terms of reference in the matter were issued by SEIAA, U.P. vide letter dated 25/05/2018.
3. Public hearing in the matter was organized on 05/07/2019. Final EIA report submitted by project proponent on 24/02/2020.
4. The existing capacity of the plant is 6,500 TCD along with 8.5 MW Cogeneration Power Plant.
5. The project proponent is proposing capacity expansion from 6,500 TCD to 12,500 TCD unit along with expansion of 8.5 MW Cogeneration Power Plant to 55 MW within the existing plant premises.
6. The proposed plant will produce Sugar as the main product, molasses & bagasse as by products and press mud as waste.
7. Land details:

S. No.	Land	AREA (Ha.)
1.	Infrastructure	4.108
2.	Roads	1.109
3.	Open Area (Bagasse yard, scrap yard, behind mill house, ETP area) For Sugar Mills	26.58
4.	Green belt Area	15.65
Total Plant area		47.45

8. Salient features of the project:

S. No.	Particulars	Details		
1.	Nature & size of the Project	Expansion of existing project, DCM Shriram Limited , Sugar Unit : Rupapur Munder from 6,500 TCD along with 8.5 MW Cogeneration Power Plant to 12,500 TCD along with 55 MW Cogeneration Power Plant		
2.	Total Project Area	47.45 Ha. (Expansion will be carried out within existing land. No requirement of additional land)		
3.	Nearest Highway	SH-29 ( 8.3 km in W), SH-25 (21.5 km in NE) and NH-93 (12.6 km in W) MDR-26(C) (1.6 km in W) SH-43 (12.5 km in WSW)		
4.	Nearest Railway Station	Farrukabad Railway Station (25 km in South-West )		
5.	Nearest Airport	Lucknow Airport (135 km in SE)		
6.	National Parks/ Wild Life Sanctuaries/ Biosphere Reserves/RF & PF within 10km radius	There is no National Parks/ Wildlife Sanctuaries/ Biosphere Reserves/ RF & PF within 10km radius area of project site		
7.	Nearest Water Bodies	<ul style="list-style-type: none"><li>• Garra River is at a distance of 7 km NE direction.</li><li>• Ramganga River is at a distance of 8 km West direction</li></ul>		
8.	Seismic Zone	Zone III		
9.	Cost Details			
	Project Cost	Existing- Rs. 53.21 Crores Proposed- Rs. 296.79 Crores Total- Rs. 350.00 Crores		
10.	Working Days	For expanded capacity- upto 200 days (Sugar Plant) upto 350 days (Power Plant)		
11.	Manpower requirement	Present	Expansion	Total Requirement
	During season	332	140	472
	Off Season	260	145	405

9. Project cost details:

Name of the company	M/s DCM Shriram Limited
Capital cost of Project	Existing- Rs. 53.21 Crores Proposed- Rs. 296.79 Crores Total- Rs. 350.00 Crores
Cost for EMP	Capital cost is Rs. 5.113 Crore and recurring cost Rs. 45 lakhs/annum
Cost of CER	Rs. 225 lakhs

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

**RESOLUTION AGAINST AGENDA NO-02**

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

**I. Statutory compliance:**

- I. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- II. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- III. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden, if applicable. 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 concerned State pollution Control Board/ Committee.
- V. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- VI. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989

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

- I. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- II. The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
- III. 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.
- IV. 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.
- V. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.
- VI. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous

emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.

- VII. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.
- VIII. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.

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

- I. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD) and connected to SPCB and CPCB online servers.
- II. Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).
- III. Process effluent /any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
- IV. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
- V. Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
- VI. Industrial/trade effluent shall be segregated into High COD/TDS and Low COD/TDS effluent streams. High TDS/COD shall be passed through stripper followed by MEE and ATFD (agitated thin film drier). Low TDS effluent stream shall be treated in ETP and treated effluent shall conform to the standards prescribed under the Environment (Protection) Rules, 1986 and treated water from ETP shall be used for irrigation.
- VII. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.

### **IV. Noise monitoring and prevention**

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

### **V. Energy Conservation measures**

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

### **VI. Waste management**

- I. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
- II. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt, if hazardous shall be disposed off to the

TSDF.

**III. The company shall undertake waste minimization measures wherever feasible as below :-**

- a. Metering and control of quantities of active ingredients to minimize waste .
- b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
- c. Use of automated filling to minimize spillage.
- d. Use of Close Feed system into batch reactors.
- e. Venting equipment through vapour recovery system.
- f. Use of high pressure hoses for equipment clearing to reduce wastewater generation

**VII. Green Belt**

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

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

- I. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- II. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- III. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- IV. 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.
- V. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- VI. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places

**IX. Corporate Environment Responsibility**

- 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 I conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a

part of six-monthly report.

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

**X. Miscellaneous**

- I. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- II. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- III. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- IV. The project proponent shall monitor the criteria pollutants level namely; 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.
- V. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- VI. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- VII. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- VIII. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- IX. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- X. No further expansion or modifications in the plant shall be carried out without prior

- approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- XI. Concealing factual data or submission of false /fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
  - XII. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
  - XIII. The Ministry reserves the right to stipulate additional conditions if found necessary.
  - XIV. The Company in a time bound manner shall implement these conditions.
  - XV. 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.
  - XVI. 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.
  - XVII. 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. Residential Colony "R.S. City" at Arazi No.- 446 mi, 449, 450, 451, 452, 453, 456, 458 min, at Jhansi-Gwalior Highway, Village- Karari, District- Jhansi, U.P., M/s Radha Swami Infra Developers Pvt. Ltd. File No. 5551/4933/Proposal No. SIA/UP/MIS/51503/2019**

A presentation was made by the project proponent through video/tele-conferencing/ email in view of the Corona Virus Disease (Covid-19) 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 Proposed Residential Colony "R.S City" at Jhansi –Gwalior Highway, Village Karari, Dist. Jhansi, Uttar Pradesh, M/s Radha Swami Infra Developers Pvt. Ltd.
2. Terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 315/Parya/SEAC/4933/2018 Dated 24 October 2019.
3. EIA report submitted by the project proponent on 25.02.2020.
4. Area details of the project:

S. No	Details	Area
1	Type of Building	Township and Area Development
2	Total Plot Area	58900 m <sup>2</sup>
3(a)	Ground Coverage Permissible	29450 m <sup>2</sup> (50%)
3(b)	Ground Coverage Proposed	19013.00 m <sup>2</sup> (32.2% )
4	Open Area	39887 m <sup>2</sup>
5	Green area required	8825.20 m <sup>2</sup> (15%)
6	Green area provided	8825.20 m <sup>2</sup> (15% )
7	Permissible FAR	239147.3 (@4.0)
8	Residential FAR	
	Block-A	106300.00 m <sup>2</sup>
	Block-B	64500.50 m <sup>2</sup>

	Block-C	13108.80 m <sup>2</sup>
	Block-D	18607.20 m <sup>2</sup>
	Block-E	5721.60 m <sup>2</sup>
	Total	2,08,238.1 m <sup>2</sup>
9	Commercial	25103.0 m <sup>2</sup>
10	Club House	3836.60 m <sup>2</sup>
11	School	1969.60 m <sup>2</sup>
12	Total FAR (Residential +Commercial +Club + School)	239147.3m <sup>2</sup> (@4.0)
13	Basement	43764.00 m <sup>2</sup>
	Stilt	15294.00 m <sup>2</sup>
	Mumty	937.60 m <sup>2</sup>
	Fire Stair Case	1558.00 m <sup>2</sup>
	Non Far Area	61553.60 m <sup>2</sup>
14	Built Up Area	3,00,700.9 m <sup>2</sup>
15	No. of Units	1999 Units
16	Water body	800 m <sup>2</sup>
17	Required trees (1 tree/ 80 m <sup>2</sup> of Open area)	498
	Proposed Trees	500

5. Land use details:

S. No	Details	Area	Percentage
1	Ground Coverage	19013.00 m <sup>2</sup>	32
2	Green area	8825.20 m <sup>2</sup>	15
3	Internal road circulation	16998.70 m <sup>2</sup>	29
4	Other Services	14063.1 m <sup>2</sup>	24
	Total	58900 m <sup>2</sup>	100

6. Water calculation details:

S. No.	Description	unit/Area (in m <sup>2</sup> )	Total Occupancy	Rate of fresh water demand (lpcd)	Total Fresh Water (KLD)	Rate of Flushing water demand (lpcd)	Total Flushing/Recycled water (KLD)	Total Water Requirement (KLD)
1.	Group Housing Units	1999 units	9995	Fresh Water @ 65 LPCD	650	Flushing Water @ 21 LPCD	210	860
2.	Visitors		1000	Fresh Water @ 5 LPCD	5	Flushing Water @ 10 LPCD	10	15
3.	Staff (including Commercial+ School)		500+ 2500+100 =3100	Fresh Water @ 30 LPCD	93	Flushing Water @ 15 LPCD	47	140
4.	School students		500	Fresh Water @ 30 LPCD	15	Flushing Water @ 15 LPCD	8	23
6.	Water Body		1200 m <sup>3</sup>	(5% of capacity)	60		-	60
Total Domestic water					823		275	1098
4.	Horticulture (8825.20 m <sup>2</sup> )		5 l/sqm				44	44
5.	HVAC (500 tons)		9 l/ton/hr				12	12
Grand Total					823		331	1154

7. Waste water details:



Water/Waste Water Details	
Fresh Water	823KLD
Flushing	275KLD
Horticulture / Landscape	44 KLD
HVAC	12 KLD
Water Body	60.0 KLD
Total Water Requirement	1154 KLD
Source of water - Ground water supply	
Waste water - 880 KLD	
STP Capacity - 1100 KLD	

8. Waste generation details:

S.No.	Particulars	Population	Waste generated (kg/day)
1.	Residential (@0.5kg/day)	9995	4998
2.	Visitors (@ 0.15kg/day)	1000	150
3.	Staff (@0.25 kg/day)	3100	775
4.	School Students (@0.25 kg/day)	500	125
Total Solid waste generated			6048 Kg/day
Horticulture Waste (8825.20 m <sup>2</sup> ) (0.0037/sqm/day)			33 Kg/Day
E-Waste (0.15 kg/C/Yr)			Approx.6 Kg/Day
STP Sludge(4% of waste water)			35Kg/Day

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 grant of environmental clearance for the above project proposal along with general conditions as earlier prescribed by authority for construction project and following specific conditions:**

1. Solar energy to be used as alternatives on the road and common places for illumination to save conventional energy as per ECBC Code.
2. Green area shall be compulsorily made available including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of the local district Forest Officer.
3. The wastewater generated should be treated properly in a scientific manner i.e. domestic waste water to be treated in STP.
4. The height, Construction built up area of proposed construction shall be in accordance with the FAR norms of the competent authority & it should ensure the same along with survey number before approving layout plan & before 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.
5. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
6. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
7. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
8. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
9. 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.
10. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.

11. 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.
12. 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.
13. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
14. Provision shall be made for the construction labour within the site with all necessary infrastructure and facilities such as mobile toilets, mobile STP, safe drinking water, medical health care, and First Aid Room etc.
15. 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.
16. 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.
17. 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 the 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.
18. No parking shall be allowed outside the project boundary.
19. Digging of the basement shall be undertaken in view of structural safety of adjacent buildings under information/consultation with the 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 the natural drainage system of the area is protected and improved.
20. The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipment etc. as per National Building Code including measures from lighting.
21. Disposal of muck during the construction phase should not create any adverse effect on the neighboring communities and be disposed of taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
22. The diesel generator sets to be used during the construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
23. Ambient noise levels should conform to standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during the construction phase. Adequate measures should be made to reduce ambient air and noise level during the construction phase, so as to conform to the stipulated standards by CPCB/UPPCB.
24. The green area design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for commercial 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.
25. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.

26. Pavements shall be so constructed as to allow infiltration of surface run-off of rainwater. Construction of pavements around trees should be able to facilitate suitable watering, aeration and nutrition to the tree.
27. Rooftop water in the rainy season is to be discharged into RWH pits for ground water recharging. Arrangement shall be made that wastewater and stormwater do not get mixed.
28. All the internal drains are to be covered till the disposal point.
29. 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.
30. Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.

**4. "The Mixed-Use Project IT/ITES SEZ" at Plot No.-01, Sector- 143 A, District- Gautam Budha Nagar, U.P., M/s Urvashi Infratech Pvt. Ltd. File No. 5557/4658/Proposal No. SIA/UP/MIS/50570/2019**

A presentation was made by Project Proponent through video/tele-conferencing in view of the Corona Virus Disease (Covid-19) along with their consultant M/s Perfect Enviro solutions Pvt. Ltd. The proponent, through the documents submitted and the presentation made, informed the committee that:

1. The Environment clearance is sought for "Mixed-Use Project IT/ITES Park" at Plot no.-1, Sector-143 A, District-Gautam Budh Nagar, Noida, Uttar Pradesh, M/s Urvashi Infratech Pvt. Ltd.
2. The project has been granted Environmental Clearance vide letter no. 3150/Parya/SEAC/1234/AD(H)/2012 dated 05.03.2013 for the development of Mixed-Use Project IT/ITES Park for plot area- 1,00,256 m<sup>2</sup> and built-up area- 2,15,635.881 m<sup>2</sup> in the name of M/s Urvashi Infratech Pvt. Ltd. The granted Environmental Clearance was valid till 5<sup>th</sup> March, 2020. However, no construction work has been commenced yet on the project site.
3. Due to change in planning of the project, the project was applied as a fresh case on the same plot area i.e. 1,00,256 m<sup>2</sup> and with revised Built up area as 4,76,736 m<sup>2</sup>.
4. Terms of Reference in the matter was issued through SEIAA, U.P. vide letter no. 111/Parya/SEAC/4658/2018 dated 13-06-19.
5. Area details of the project are as follows:

Particulars	Unit	Proposed Details
Activities in complex	--	Commercial/ITES including Service Apartment (G+12), Data Centre/ITES (G+6), MLCP (G+3), Service block (G+3)
Plot Area	m <sup>2</sup>	1,00,256
Ground Coverage (Permissible)	m <sup>2</sup>	30,077.00
Ground Coverage (Proposed)	m <sup>2</sup>	30,077 (30.0%)
Permissible FAR AREA		
FAR Permissible	m <sup>2</sup>	2,50,640
PROPOSED FAR		
Data Centre/ITES	m <sup>2</sup>	53,205.76
Residential (Service Apartment)	unit	200
Commercial/ITES	m <sup>2</sup>	1,87,434.24
Total Proposed FAR Area-A	m <sup>2</sup>	2,50,640
15% of FAR for common facilities -m	m <sup>2</sup>	18,818.36
BASEMENT AREA		
Basement-1 -n	m <sup>2</sup>	70,745.50
Basement-2 - o	m <sup>2</sup>	70,745.50
Total basement Area	m <sup>2</sup>	1,41,491.00
NON- FAR, AREA		
Service Block -p	m <sup>2</sup>	1 1,370.6

Stilt Area -q	m <sup>2</sup>	9,168.4
Other Non-FAR -r (Mumty Machine room, Fire Stair cases)	m <sup>2</sup>	32,352.86
MLCP-s	m <sup>2</sup>	12,894.76
Total Non-FAR Area (including Basement area) -B (m+n+o+p+q+r+s)	m <sup>2</sup>	2,26,096.00
Built-up Area (FAR + Non-FAR including Basement area)- A+B	m <sup>2</sup>	4,76,736
Total Green Area	m <sup>2</sup>	38,344 (38.25%)
Total Open & Road Area	m <sup>2</sup>	31,835 (31.75%)
No. of towers	Nos.	9(8+Service Block)
Max. height of building	m	160
No. of units in service apartments	No.	200

**6. Land Use details:**

S.no.	Coverage type	Area (m <sup>2</sup> )	Percentage (%)
1	Ground Coverage	30077	30.00
2	Green Area	38344	38.25
3	Road & Open area	31835	31.75
	Total plot area	100256	100

**7. Population details:**

Population (Data Centre/ITES/ Commercial) (A)	No.	25064
Staff	No.	18301
Visitors	No.	6763
Residential (Service Apartment) (B)	No.	400
Residents (Service Apartment)	No.	400
Facilities (C)	No.	3000
Maintenance (Staff) (D)	No.	160
Total Population (A+B+C+D)	No.	28624

**8. Salient features of the project**

Source of water	-	Municipal Supply
Total water requirement	KLD	1791
Fresh Water Requirement	KLD	806
Total waste water generation	KLD	1088
STP capacity	KLD	Modular STP-2500
Treated water Reuse	KLD	985
No. of Rain water Harvesting pits	Nos.	28
Total Municipal Solid waste generated	kg/day	4413
Power Source	-	Uttar Pradesh Power Corporation Limited
Total Power load	kW	67252 (74724 kVA)
No. of DG sets	kVA	21×3200
Parking Required	ECS	5179
Parking Provided	ECS	5400
EMP Cost	Rs.	Capital-Rs. 569 Lakhs Recurring- 63.2 Lakhs/year
ER Cost	Rs.	575 Lakhs

**9. Water Calculation details**

Description	Population	Factor in LPCD	Water Requirement (in KLD)	Domestic (in KLD)	FLUSHING (in KLD)
<b>Residential (Service Apartments)</b>					
Service Apartment	400	135	54	36	18
<b>Data Centre/ITES/ commercial</b>					
Staff	18301	45	824	458	366
visitors	6763	15	101	34	68
Facilities- Staff	3000	45	135	75	60
Maintenance Staff	160	45	7	4	3

Sub Total	28624	Sub-Total	1121	606	515
		Waste water		485	515
Kitchen			50		30
Gardening	-		38		NIL
Cooling			432		43
Filter backwash			150		15
Total			1791		1088

10. The proposal falls under category- 8(b) of EIA notification,2006 (as amended)

#### **RESOLUTION AGAINST AGENDA NO-04**

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

1. Solar energy to be used as alternatives on the road and common places for illumination to save conventional energy as per ECBC Code.
2. Green area shall be compulsorily made available including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of the local district Forest Officer.
3. The wastewater generated should be treated properly in a scientific manner i.e. domestic waste water to be treated in STP.
4. The height, Construction built up area of proposed construction shall be in accordance with the FAR norms of the competent authority & it should ensure the same along with survey number before approving layout plan & before 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.
5. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
6. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
7. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
8. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
9. 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.
10. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
11. 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.
12. 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.
13. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
14. Provision shall be made for the construction labour within the site with all necessary infrastructure and facilities such as mobile toilets, mobile STP, safe drinking water, medical health care, and First Aid Room etc.

15. 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.
16. 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.
17. 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 the 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.
18. No parking shall be allowed outside the project boundary.
19. Digging of the basement shall be undertaken in view of structural safety of adjacent buildings under information/consultation with the 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 the natural drainage system of the area is protected and improved.
20. The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipment etc. as per National Building Code including measures from lighting.
21. Disposal of muck during the construction phase should not create any adverse effect on the neighboring communities and be disposed of taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
22. The diesel generator sets to be used during the construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
23. Ambient noise levels should conform to standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during the construction phase. Adequate measures should be made to reduce ambient air and noise level during the construction phase, so as to conform to the stipulated standards by CPCB/UPPCB.
24. The green area design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for commercial 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.
25. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
26. Pavements shall be so constructed as to allow infiltration of surface run-off of rainwater. Construction of pavements around trees should be able to facilitate suitable watering, aeration and nutrition to the tree.
27. Rooftop water in the rainy season is to be discharged into RWH pits for ground water recharging. Arrangement shall be made that wastewater and stormwater do not get mixed.
28. All the internal drains are to be covered till the disposal point.
29. 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.
30. Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.

**5. Bio Medical Waste Plant at Gata No.-295Mi, Village-FathepurVishnoi, Moradabad, U.P., M/s Sushila Bio Medical Waste Plant. File No. 4650/Proposal No. SIA/UP/MIS/30923/2019**

A presentation was made by the project proponent through video/tele-conferencing/ email in view of the Corona Virus Disease (Covid-19) 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 Bio Medical Waste Plant at Gata No.-295Mi, Village-FathepurVishnoi, Moradabad, U.P., M/s Sushila Bio Medical Waste Plant.
2. Terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 110/Parya/SEAC/4650/2018, dated 13/06/2019.
3. Public hearing was conducted on 21/012/2019 at the project site. EIA report submitted by the project proponent on 02/03/2020.
4. Salient features of the project:

Particulars	Details
Name of the company	M/s Sushila Bio Medical Waste Plant
ToR issued	110/Parya/SEAC/4650/2018 Date 13.06.2019
Public Hearing was conducted on	21.12.2019
Final EIA Submitted	SIA/UP/MIS/30923/2019 date 02.03.2020
Location of Industry	Gata No. 295 MI, Fathepur Vishnoi, Moradabad, Uttar Pradesh
S.No. In the schedule	7 (da): Common Bio-medical Waste Treatment Facility
Landuse	The land has been converted from agricultural to non- agricultural use.
Proposed plant capacity	300 Kg/hr
Geo-Coordinates	28°53'31.9" N 78°39'35.5"E
Reference Letter	UPPCB letter No. 817/B-4/General date 25.04.2019
Total Plot Area (sq m)	2820 m <sup>2</sup>
Built up area (sq m)	876 m <sup>2</sup> approx
Total Project Cost	Rs. 350 Lac Approx
Project Proponent	Name: Mr. VijayYadav S/o Sh. Devendra kumarYadav Designation: Authorized Signatory Address: H.No. D-60/1, Himgiri Colony, Kanth Road, Moradabad-244001 Mobile No.:09012140000 E-mail:Vijayyadav7000@gmail.com
Source of water supply	Borewell (CGWB permission shall be taken)
Water Requirement	12 KLD
waste water generation	5.6 KLD will be treated in ETP
Power requirement	65 KVA from UPPCL and in case of power failure, Diesel based Power generator set of same capacity will be used.
Man Power	Total 65 persons are hired for plant operations including officers, skilled and unskilled workers.

5. 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. Proposed Development of Shri Kashi Vishwanath Dham, Manikarnika Ghat and its Beautification at Varanasi, U.P. Shri Vishal Singh, CEO. File No. 5645/Proposal No. SIA/UP/MIS/ 150760/2020**

**RESOLUTION AGAINST AGENDA NO-06**

The minutes of the above project was separately issued by SEAC on 20/05/2020 and send to SEIAA for necessary action.

**7. Common Biomedical Waste Treatment facility (CBWTF) at Khata No.-04, Arazi o.-40,37,19/2, Vill.-Sonphool, Chandauli., M/s Environment Welfare Society. File No. 5485/Proposal No. SIA/UP/MIS/50649/2020**

**RESOLUTION AGAINST AGENDA NO-07**

A presentation was made by the project proponent through video/tele-conferencing/ email in view of the Corona Virus Disease (Covid-19). The committee discussed the matter and directed the project proponent to submit following information:

1. Feasibility/need of bio medical waste in the proposed site.
2. NOC from CMO regarding establishment of Common Biomedical Waste Treatment Facility.
3. Site status report from RO, UPPCB.

The matter shall be discussed after submission of online information on prescribed portal.

**8. Common Biomedical Waste Treatment Facility at Khasra No.-433 at Ambetha Chand, Tehsil-Rampur Maniharan, Saharanpur, U.P., M/s Greenlee Environmental Solutions. File No. 5507/Proposal No. SIA/UP/MIS/50972/2019**

A presentation was made by the project proponent through video/tele-conferencing/ email in view of the Corona Virus Disease (Covid-19) 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 Biomedical Waste Treatment Facility at Khasra No.- 433 at Ambetha Chand, Tehsil-Rampur Maniharan, Saharanpur, U.P., M/s Greenlee Environmental Solutions.
2. Salient features for the project:

ITEMS	PARTICULARS
Promoter	M/s GreenLee Environmental Solutions.
Type of Facility	Common Biomedical Waste Treatment Facility
Location	Village Ambetha Chand, Tehsil Rampur Maniharan, District Saharanpur, 247451 (UP) , Khasra Number-220
Coordinates	Site Co-ordinates are:- 29° 46' 59.17462"N, 77° 32' 17.03513"E 29° 47' 0.3966"N, 77° 32' 14.74105"E 29° 46' 59.10942"N, 77° 32' 13.35653"E 29° 46' 58.03766"N, 77° 32' 15.69239"E
ITEMS	PARTICULARS
CAPACITY	The proposed equipment details are given below:-
AREA	1 acre (4096 Sq.m)
COST OF THE PROJECT	Rs. 1.25 crore
WATER REQUIREMENT	7.5 KLD for Drinking and washing Source - Ground water abstraction proposed at periphery of project site.
POWER REQUIREMENT	50 KW power requirements will be sourced from existing line of Uttar Pradesh Electricity Board. D.G. sets (80 KVA) as Standby in case of power failure,
Manpower Requirement	20 Nos.
Nearest Highway	The project site is well connected state road Bargaon Saharanpur road about 0.8 Km in East direction Rampur Bargaon road about 4.5 Km in South West direction. (Areal)
Nearest Village	Ambetha Chand 0.8 Km in (SE) Direction
National park / Wildlife sanctuaries / Defense installations	None within 10 km radius
Nearest Water Body	Hindan River is about 3 Km in East Direction.
Nearest town	Rampur Maniharan Town about 8 km in (WNW) Direction
Nearest Railway	Rampur Maniharan Railway Station – about 8 Km in (WNW) direction.
Nearest Airport	Sarsawa Airbase Saharanpur – about 25 Km in (NNW) direction.

**3. Machinery details:**

Sr. No.	Equipment	Number	Proposed Capacity
1.	Incinerator	01	200 kg/hr
2.	Autoclave	01	1000 ltrs/hr
3.	Shredder	01	200 kg/hr
4	Effluent treatment plant	01	10 KLD

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

**RESOLUTION AGAINST AGENDA NO-08**

The committee discussed the matter and recommended to issue the terms of reference (TOR) for the preparation of EIA regarding the project as follows:

1. Possible impacts of hazardous.

2. Inventory of bio medical waste.
3. Site photographs with date, time and coordinates.
4. NOC from CMO at the time of EIA presentation.
5. Details of other bio medical waste plant should be provided.
6. NOC from Chief Medical Officer should be submitted.
7. Before appraisal of EIA, a site inspection by SEAC Members has to be carried out to ascertain the factual position of ground water level. This report should also be appraised along with EIA.
8. Reasons for selecting the site with details of alternate sites examined/rejected/selected on merit with comparative statement and reason/basis for selection. The examination should justify site suitability in terms of environmental damages, resources sustainability associated with selected site as compared to rejected sites. The analysis should include parameters considered along with weightage criteria for short-listing selected site.
9. Submit the details of the road/rail connectivity along with the likely impacts and mitigative measures.
10. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
11. Executive summary of the project – giving a prima facie idea of the objectives of the proposal, use of resources, justification, etc. In addition, it should provide EMP.
12. Land requirement for the facility including its break up for various purposes, its availability and optimization.
13. Details of proposed layout clearly demarcating various activities such as security. Waste Storage Rooms, Waste Treatment Equipment Rooms/Areas, Treated Waste Storage Room, Pollution Control Devices like APCS and ETP, ash storage/disposal area, vehicle washing areas, and others such as admin area, worker's room, health centers, greenbelt, etc.
14. Details on collection and transportation of Bio Medical Waste from health care establishments, No. of vehicles and feature of vehicles, etc.
15. Details of the treatment equipment's capacity and make. Details of the incineration system – a statement on the compliance to the CPCB guidelines for common bio medical waste incinerators in respect of waste feed cutoffs, operating parameters of combustion chambers, flue gas cleaning, ash handling, etc. Details on fuel requirement for incineration. Details on flue gas emissions discharge through stack and proposed pollution control technologies. Details on residue/ash generation and management. Details of waste heat utilization, if any. Details on wastewater management alongwith zero discharge plans as committed by the project proponent.
16. Details of the proposed overall safety and health protection measures and submit specific programme.
17. Details on source of water and power supply.
18. Details of the existing access road(s)/walkways to the designed operations in the site and its layout.
19. Location of the incineration facility and nearest habitats with distances from the facility to be demarcated on a toposheet (1: 50000 scale).
20. Land use map based on satellite imagery including location specific sensitivities such as national parks / wildlife sanctuary, villages, industries, etc.
21. Topography details.
22. Surface water quality of nearby water bodies.
23. Details on proposed groundwater monitoring wells, locations, frequency of monitoring, parameters, etc.
24. 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 as above shall be submitted to the authority alongwith list of beneficiaries with their mobile nos./address.
25. Action plan for the greenbelt development in accordance to CPCB published guidelines.
26. Details on pollution control technologies and online monitoring equipments.
27. Details on monitoring of pollutants at source –performance of the incinerator. Including operating hours, fuel consumption, operating parameters (Combustion chamber – temperature, pressure, Stack temperature, total particulate matter, HCl, NOx as per Bio Medial Waste (Management & Handling) Rules 1998.
28. Stack and fugitive emissions may be monitored for SPM, SO<sub>2</sub> & NOx as per Bio Medical Waste (Management & Handling) Rules 2016.

29. Details of Administrative and technical organizational structure.
30. EMP devised to mitigate the adverse impacts of the project should be provided along with item-wise cost of its implementation (Capital and recurring costs).
31. Details of the emergency preparedness plan and on-site & off-site disaster management plan.
32. Affidavit to be submitted for the actual surveys done with detailed photographs of monitoring etc.
33. NOC from UPPCB shall be taken and submitted to SEAC before submission of EIA report.
34. Examine the details of transportation of Hazardous wastes, and its safety in handling.
35. Examine and submit the details of on line pollutant monitoring.
36. Examine the details of monitoring of Dioxin and Furon.
37. MoU for disposal of ash through the TSDF.
38. MoU for disposal of scrubbing waste water through CETP.
39. Examine and submit details of monitoring of water quality around the landfill site.
40. Examine and submit details of the odour control measures.
41. Examine and submit details of impact on water body and mitigative measures during rainy season.
42. Environmental Management Plan should be accompanied with Environmental Monitoring Plan and environmental cost and benefit assessment. Regular monitoring shall be carried out for odour control.
43. Water quality around the landfill site shall be monitored regularly to examine the impact on the ground water.
44. The storage and handling of hazardous wastes shall be as per the Hazardous Waste Management Rules.
45. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
46. Public hearing to be conducted for the project in accordance with provisions of Environmental Impact Assessment Notification, 2006 and the issues raised by the public should be addressed in the Environmental Management Plan. The Public Hearing should be conducted based on the ToR letter issued by the SEIAA.
47. A detailed draft EIA/EMP report should be prepared in accordance with the above additional TOR and should be submitted to the Ministry in accordance with the Notification.
48. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
49. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.

The final EIA report after incorporation of public hearing observations/comments should be submitted to the committee for further consideration of the matter.

**9. Establish a New 100 KLD (RS/ENA/AA), MOLASSES BASED DISTILLERY ALONG WITH 4.0 mw Of Co-Generation Power Plant at Village-DhadaBujurg, Tehsil-Hata, P.O.- Sukrauli, District-Kushinagar., M/s Avadh Sugar & Energy Ltd. File No. 5509/Proposal No. SIA/UP/IND2/50862/2020**

A presentation was made by the project proponent through video/tele-conferencing/ email in view of the Corona Virus Disease (Covid-19) along with their consultant M/s Environmental & Technical Research Centre. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Establish a new 100 KLD (RS/ENA/AA), Molasses based Distillery along with 4.0 MW of Co-Generation Power Plant at village-DhadaBujurg, Tehsil-Hata, P.O.- Sukrauli, District-Kushinagar., M/s Avadh Sugar & Energy Ltd.
2. Salient Features details:

S.No	Particulars	Details
1.	Proposed capacity of Plant	Establishment of Distillery having capacity 100 KLD(Molasses based) alongwith 4.0 MW Co gen Power .
2.	Proposed Project Location	Khasra no. 49, 50, 51, 55, 56, 57, 58, 60, 61, 62, 63, 64, 65, 66, 67, 69, 71, 194,

		196, 198, 201, 203, 204, 205, 206, 56, 58, 67, 68, 70, 75, 76, 77, 193, 194, 195, 196, 199, 200, 202, 207, 208, 265, 266, 267, 268, 269, 273, 274, 276, 282, Village: DhandaBujurg, Tehsil: Hata, Block:Sukrauli, District: Kushinagar (U.P.)
3.	Total project cost	Rs 152.30 Crores
4.	Total project area	Total Land for Proposed Distillery –17.62 Hectare (33% of the project area will be covered under green belt plantation of 5.8Hectare)
5.	Category of Project	Category : B and Schedule : 5 (g)
6.	Process Involve	Molasses Dilution, Fermentation & Distillation
7.	No of Working Days	Season ( Approx : 365 Days)
8.	Raw material and its Quantity	Molasses ( B& C Both) – 450 MT/Day.
9.	Product and its Quantity	Rectified Spirit /Extra Neutral Alcohol/Absolute Alcohol – 100 KLD
10.	Co gen power generation	4.0 MW Co gen Power .
11.	Fresh Water Requirement (Industrial)	<b>Industrial</b> – 1000.0 KLD (@ 10.0 KL/KL of Products) <b>Domestic</b> – 20 KLD Total fresh water requirement of the project will be 1020 KLD (@ 10.2 KL/KL of product).
12.	Power requirement	2.25 MW Source –Co Generation Power Plant – 4.0 MW (In House)
13.	Fuel and its quantity	Slop will be incinerated in boiler along with Bagasse as supporting fuel. Bagasse: 105.60 TPD Slop Requirement : 280.0 KLD
14.	Steam requirement	23 TPH
15.	Number of boiler proposed	1 Number 35 TPH Slop/Bagasse Fired Boiler
16.	Air Pollution Control Device	ESP (Efficiency 99 %) along with Stack of height 78 Meters
17.	Waste Water Generation	Spent Wash Generation – 800 KLD ,
18.	Waste Water treatment	Spent wash will be concentrated in Multi effect evaporation and then concentrate from MEE will be used as fuel in incineration boiler of capacity 35 TPH along with bagasse/other biomass. Other Effluent : Secondary effluent like MEE condensate and Blow down, lees will be treated in Secondary ETP and reutilized in process and other use.
19.	Waste Water Discharge	Unit will be Zero Liquid Discharge Based
20.	Solid Waste Generation	Total Ash 40 MT/Day: Will be converted into manure via granulation plant and manure shall be provided to the farmer. Yeast Sludge: 10 MT/Day will be sold to farmers
21.	Green Belt Development	Approx. 33 % of total green belt will be development and maintained ( 5.8 Hectare).
22.	Cost towards Environmental Protection measures (capital cost) after proposed expansion	6000.0 Lakh
23.	Recurring cost towards Environmental control measures	100.0 Lakh per year
24.	CER expenses	280.0 Lakhs (@ 1.5 % of total project cost)

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

**RESOLUTION AGAINST AGENDA NO-09**

**The committee discussed the matter and recommended to issue the terms of reference (TOR) for the preparation of EIA regarding the project as follows:**

- I. Executive Summary.
- II. Introduction:
  - i. Details of the EIA Consultant including NABET accreditation
  - ii. Information about the project proponent

iii. Importance and benefits of the project.

III. 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, manpower requirement (regular and contract)
- viii. Process description along with major equipment 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 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

IV. 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. Land use 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.



- V. Forest and wildlife related issues (if applicable):
- i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)
  - ii. Land use map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha)
  - iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
  - iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden thereon
  - v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area
  - vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.
- VI. Environmental Status:
- i. Determination of atmospheric inversion level at the project site and site-specific micrometeorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
  - ii. AAQ data (except monsoon) at 8 locations for PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based on 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
- VII. 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 touse 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.

**VIII. 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.

**IX. 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

**X. 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.**

**XI. Enterprise Social Commitment (ESC):**

- i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.
- XII. 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.
- XIII. A tabular chart with index for point wise compliance of above TOR.

**A. Specific Terms of Reference for EIA studies for distilleries:**

1. List of existing distillery units in the study area along with their capacity and sourcing of raw material.
2. Number of working days of the distillery unit.
3. Details of raw materials such as molasses/grains, their source with availability.
4. Details of the use of steam from the boiler.
5. Surface and Ground water quality around proposed spent wash storage lagoon, and compost yard.
6. Plan to reduce spent wash generation within 6-8 KL/KL of alcohol produced.
7. Proposed effluent treatment system for molasses/grain based distillery (spent wash, spent lees, condensate and utilities) as well as domestic sewage and scheme for achieving zero effluent discharge (ZLD).
8. Proposed action to restrict fresh water consumption within 10 KL/KL of alcohol production.
9. Details about capacity of spent wash holding tank, material used, design consideration. No. of peizometers to be proposed around spent wash holding tank.
10. Action plan to control ground water pollution.
11. Details of solid waste management including management of boiler ash, yeast, etc. Details of incinerated spent wash ash generation and its disposal.
12. Details of bio-composting yard (if applicable).
13. Action plan to control odour pollution.
14. Arrangements for installation of continuous online monitoring system (24x7 monitoring device).

**10. Establishment of new Molasses based Distillery having Capacity: 100 KLD along with 7.0 MW co-gen power at Khasra No.- 108 in village Maslasia, 8, 46, 47, 49, 59, 60, 61, 62, 63, 65, 70, 72 in Village-Musallepur, Tehsil- Dhanaura, District- J.P. Nagar, U.P., M/s Wave Industries Pvt. Ltd. File No. 5510/Proposal No. SIA/UP/IND2/ 50994/2020**

A presentation was made by the project proponent through video/tele-conferencing/ email in view of the Corona Virus Disease (Covid-19) along with their consultant M/s Environmental & Technical Research Centre. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Establishment of new Molasses / Cane Syrup based Distillery having Capacity: 100 KLD along with 7.0 MW co-gen power at Khasra No.- 108 in village Malasia, 8, 46, 47, 49, 59, 60, 61, 62, 63, 65, 70, 72 in Village-Musallepur, Tehsil - Dhanaura, District- J.P. Nagar, U.P, M/s Wave Industries Pvt. Ltd.
2. Salient Features details:

S.No	Particulars	Details
1.	Proposed capacity of Plant	Establishment of Distillery having capacity 100 KLD(Molasses/ cane Syrup based) alongwith 7.0MW Co gen Power .
2.	Proposed Project Location	Khasra No.- 108 in village Malasia, 8, 46, 47, 49, 59, 60, 61, 62, 63, 65, 70, 72 in Village-Musallepur, Block & Tehsil - Dhanaura, District- J.P. Nagar, U.P
3.	Total project cost	Rs17891.59 Lakhs
4.	Total project area	Total Land for Proposed Distillery –17.75 Hectare

		(33% of the project area will be covered under green belt plantation)
5.	Category of Project	Category : B and Schedule : 5 (g)
6.	Process Involve	Molasses Dilution, Fermentation & Distillation
7.	No of Working Days	Season ( Approx : 365 Days)
8.	Raw material and its Quantity	Molasses ( B& C Both) / cane syrup – 465 MT/Day. (214.4 Litres of Alcohol can be obtained from 1 ton of molasses).
9.	Product and its Quantity	Rectified Spirit /Extra Neutral Alcohol/Absolute Alcohol – 100 KLD
10.	Co gen power generation	7.0 MW Co gen Power .
11.	Fresh Water Requirement (Industrial)	<b>Industrial</b> – 600.0 KLD (@ 6.0 KL/KL of Products) <b>Domestic</b> – 20 KLD Total fresh water requirement of the project will be 620 KLD (@ 6.2 KL/KL of product).
12.	Power requirement	2860 KWH Source –Co Generation Power Plant – 7.0 MW (In House)
13.	Fuel and its quantity	Slop will be incinerated in boiler along with Bagasse as supporting fuel. Bagasse: 150 TPD Slop Requirement : 300KLD
14.	Steam requirement	28 TPH
15.	Number of boiler proposed	1 Number 45 TPH Slop/Bagasse Fired Boiler
16.	Air Pollution Control Device	Bag Filter (Efficiency 99.9 %) along with Stack of height 72 Meters
17.	Waste Water Generation	Spent Wash Generation – 700 KLD ,
18.	Waste Water treatment	<b>Spent wash</b> will be concentrated in Multi effect evaporation and then concentrate from MEE will be used as fuel in incineration boiler of capacity 45 TPH along with bagasse/other biomass. <b>Other Effluent</b> : Secondary effluent like MEE condensate and Blow down, lees will be treated in Secondary ETP and reutilized in process and other use.
19.	Waste Water Discharge	Unit will be Zero Liquid Discharge Based
20.	Solid Waste Generation	Total Ash 56.25 MT/Day: Will be converted into manure via granulation plant and manure shall be provided to the farmer. Yeast Sludge: 10 MT/Day will be sold to farmers
21.	Green Belt Development	Approx. 33 % of total green belt will be development and maintained.
22.	Cost towards Environmental Protection measures (capital cost) after proposed expansion	4530.0 Lakh
23.	Recurring cost towards Environmental control measures	600.0 Lakh per year
24.	CER expenses	319.0 Lakhs

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

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

**For the preparation of EIA report, the request was made by the project proponent to consider the baseline data for the period of October to December, 2019. The committee discussed the matter and concurred with the request and recommended to issue the terms of reference (TOR) for the preparation of EIA as mentioned in MoEFCC, OM No. J-11013/41/2008-IA-II(I) (Part) dated 29/08/2017:-**

- I. Executive Summary.
- II. Introduction:
  - i. Details of the EIA Consultant including NABET accreditation
  - ii. Information about the project proponent
  - iii. Importance and benefits of the project.
- III. 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, manpower requirement (regular and contract)
- viii. Process description along with major equipment 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 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

**IV. 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.

**V. Forest and wildlife related issues (if applicable):**

- i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)



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

**VI. Environmental Status:**

- i. Determination of atmospheric inversion level at the project site and site-specific micrometeorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
- ii. AAQ data (except monsoon) at 8 locations for PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based on CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
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- xi. Socio-economic status of the study area

**VII. 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 touse 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.

**VIII. 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.

**IX. 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

**X. 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.**

**XI. Enterprise Social Commitment (ESC):**

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

- XII. 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.
- XIII. A tabular chart with index for point wise compliance of above TOR.

**A. Specific Terms of Reference for EIA studies for distilleries:**

1. List of existing distillery units in the study area along with their capacity and sourcing of raw material.
2. Number of working days of the distillery unit.
3. Details of raw materials such as molasses/grains, their source with availability.
4. Details of the use of steam from the boiler.
5. Surface and Ground water quality around proposed spent wash storage lagoon, and compost yard.
6. Plan to reduce spent wash generation within 6-8 KL/KL of alcohol produced.
7. Proposed effluent treatment system for molasses/grain based distillery (spent wash, spent lees, condensate and utilities) as well as domestic sewage and scheme for achieving zero effluent discharge (ZLD).
8. Proposed action to restrict fresh water consumption within 10 KL/KL of alcohol production.
9. Details about capacity of spent wash holding tank, material used, design consideration. No. of peizometers to be proposed around spent wash holding tank.
10. Action plan to control ground water pollution.
11. Details of solid waste management including management of boiler ash, yeast, etc. Details of incinerated spent wash ash generation and its disposal.
12. Details of bio-composting yard (if applicable).
13. Action plan to control odour pollution.
14. Arrangements for installation of continuous online monitoring system (24x7 monitoring device).

**11. Establishment of new Molasses based Distillery having Capacity: 100 KLD along with 5.65 MW co-gen power at Khasra No.- 252, 607, 608/745, ,239-241,589, 591,250, 597, 618, 594, 608, 585, 604, 243, 603, 595, 604, 243, 603, 595, 586, 590, 605, 615, 616, 617, 681,685, 686, 251, 689, 692, 696, 695, 609, 699, 598, 700, 701, 678, 675, 668, 669, 242, 236-238, 234, 230 Village-Sikandarbad, Tehsil & District- Bijnor.,M/s Bijnor Green Energy Pvt. Ltd. File No. 5616/Proposal No. SIA/UP/IND2/ 52446/2020**

A presentation was made by the project proponent through video/tele-conferencing/ email in view of the Corona Virus Disease (Covid-19) along with their consultant M/s Environmental & Technical Research Centre. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Establishment of new Molasses based Distillery having Capacity: 100 KLD along with 5.65 MW co-gen power at Khasra No.- 252, 607, 608/745, ,239-241,589, 591,250, 597, 618, 594, 608, 585, 604, 243, 603, 595, 604, 243, 603, 595, 586, 590, 605, 615, 616, 617, 681,685, 686, 251, 689, 692, 696, 695, 609, 699, 598, 700, 701, 678, 675, 668, 669, 242, 236-238, 234, 230 Village-Sikandarbad, Tehsil & District- Bijnor.,M/s Bijnor Green Energy Pvt. Ltd.
2. Salient Features details:

S.No	Particulars	Details
1.	Proposed capacity of Plant	Establishment of Distillery having capacity 100 KLD(Molasses based) alongwith 5.65MW Co gen Power .
2.	Proposed Project Location	Khasra No.- 252, 607, 608/745, ,239- 241,589, 591,250, 597, 618, 594, 608, 585, 604, 243, 603, 595, 604, 243, 603, 595, 586, 590, 605, 615, 616, 617, 681,685, 686, 251, 689, 692, 696, 695, 609, 699, 598, 700, 701, 678, 675, 668, 669, 242, 236-238, 234, 230



		Village - Sikandarbad, Block – Haldaur, Tehsil & District- Bijnor,(U.P.)
3.	Total project cost	Rs17623.0 Lakhs
4.	Total project area	Total Land for Proposed Distillery –57.029 Hectare (33% of the project area will be covered under green belt plantation )
5.	Category of Project	Category : B and Schedule : 5 (g)
6.	Process Involve	Molasses Dilution, Fermentation & Distillation
7.	No of Working Days	Season ( Approx : 365 Days)
8.	Raw material and its Quantity	Molasses ( B& C Both) – 465 MT/Day.
9.	Product and its Quantity	Rectified Spirit /Extra Neutral Alcohol/Absolute Alcohol – 100 KLD
10.	Co gen power generation	5.65 MW Co gen Power .
11.	Fresh Water Requirement (Industrial)	Industrial – 660.0 KLD (@ 6.6 KL/KL of Products) Domestic – 20 KLD Total fresh water requirement of the project will be 680 KLD (@ 6.8 KL/KL of product).
12.	Power requirement	2860 KWH Source –Co Generation Power Plant – 5.65 MW (In House)
13.	Fuel and its quantity	Slop will be incinerated in boiler along with Bagasse as supporting fuel. Bagasse: 150.0 TPD Slop Requirement : 300.0 KLD
14.	Steam requirement	22.93 TPH
15.	Number of boiler proposed	1 Number 45.0 TPH Slop/Bagasse Fired Boiler
16.	Air Pollution Control Device	Bag filter (Efficiency 99.9 %) along with Stack of height 72 Meters
17.	Waste Water Generation	Spent Wash Generation – 750 KLD ,
18.	Waste Water treatment	Spent wash will be concentrated in Multi effect evaporation and then concentrate from MEE will be used as fuel in incineration boiler of capacity 45 TPH along with bagasse/other biomass. Other Effluent : Secondary effluent like MEE condensate and Blow down, lees will be treated in Secondary ETP and reutilized in process and other use.
19.	Waste Water Discharge	Unit will be Zero Liquid Discharge Based
20.	Solid Waste Generation	Total Ash 56.25 MT/Day: Will be converted into manure via granulation plant and manure shall be provided to the farmer. Yeast Sludge: 10 MT/Day will be sold to farmers
21.	Green Belt Development	Approx. 33 % of total green belt will be development and maintained.
22.	Cost towards Environmental Protection measures (capital cost) after proposed expansion	5200.0 Lakh
23.	Recurring cost towards Environmental control measures	600.0 Lakh per year
24.	CER expenses	315.0 Lakhs

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

**RESOLUTION AGAINST AGENDA NO-11**

**The committee discussed the matter and recommended to issue the terms of reference (TOR) for the preparation of EIA regarding the project as follows:**

- I. Executive Summary.
- II. Introduction:
  - i. Details of the EIA Consultant including NABET accreditation
  - ii. Information about the project proponent
  - iii. Importance and benefits of the project.
- III. 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, manpower requirement (regular and contract)
- viii. Process description along with major equipment 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.
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**IV. 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)
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XIII. A tabular chart with index for point wise compliance of above TOR.

A. Specific Terms of Reference for EIA studies for distilleries:

1. List of existing distillery units in the study area along with their capacity and sourcing of raw material.
2. Number of working days of the distillery unit.
3. Details of raw materials such as molasses/grains, their source with availability.
4. Details of the use of steam from the boiler.
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11. Details of solid waste management including management of boiler ash, yeast, etc. Details of incinerated spent wash ash generation and its disposal.
12. Details of bio-composting yard (if applicable).
13. Action plan to control odour pollution.
14. Arrangements for installation of continuous online monitoring system (24x7 monitoring device).

**12. Sand Mining of Gorbora Riverbed at Gata No.- 373, 374, 382, 383, 384, 386, 387, 782, 800, 692 at Village-Navada, Tehsil-Mauranipur, District-Jhansi, U.P., M/s Sanika Construction, Leased Area -3.0 ha. File No. 5575/Proposal No. SIA/UP/MIN/ 147143/2020**

A presentation was made by the project proponent through video/tele-conferencing/ email in view of the Corona Virus Disease (Covid-19) 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 Sand Mining of Gorbora Riverbed at Gata No.- 373, 374, 382, 383, 384, 386, 387, 782, 800, 692 at Village-Navada, Tehsil-Mauranipur, District-Jhansi, U.P., M/s Sanika Construction, (Leased Area -3.0 ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/147143/2020		
2. File No. allotted by SEIAA, UP	5575		
3. Name of Proponent	Shri Sujeet Tiwari		
4. Full correspondence address of proponent and mobile No.	372/28, Babulal Karkhane k Pass, Civil Line, Tehsil- Sadar, District- Jhansi, Uttar Pradesh.		
5. Name of Project	Proposed riverbed Sand/Morrum mining project from Gorbora River for M/s sanika Construction.		
6. Project location (Plot/Khasra/Gata No.)	373, 374, 382, 383, 384, 386, 387, 388, 782, 800, 692		
7. Name of River	Gorbora		
8. Name of Village	Navada		
9. Tehsil	Mauranipur		
10. District	Jhansi		
11. Name of Minor Mineral	Sand/Morrum		
12. Sanctioned Lease Area (in Ha.)	3.0		
13. Max & Min mRL within lease area	Max- 223 mRL and Min- 222.18 mRL		
14. Pillar Coordinates (Verified by DMO)	Sanctioned Mining Lease Area		
	Pillar No.	Latitude	Longitude
	A	25°10'24.79"N	79° 4'23.78"E
	B	25°10'27.60"N	79° 4'25.60"E

	C	25°10'28.20"N	79° 4'27.30"E
	D	25°10'27.40"N	79° 4'28.80"E
	E	25°10'22.80"N	79° 4'29.30"E
	F	25°10'22.40"N	79° 4'30.70"E
	G	25°10'27.00"N	79° 4'33.70"E
	H	25°10'30.00"N	79° 4'37.50"E
	I	25°10'34.60"N	79° 4'39.10"E
	J	25°10'42.90"N	79° 4'43.90"E
	K	25°10'45.30"N	79° 4'45.80"E
	L	25°10'52.20"N	79° 4'48.10"E
	M	25°10'55.10"N	79° 4'52.10"E
	N	25°10'54.80"N	79° 4'52.40"E
	O	25°10'51.50"N	79° 4'48.50"E
	P	25°10'41.50"N	79° 4'43.50"E
	Q	25°10'41.30"N	79° 4'44.10"E
	R	25°10'31.40"N	79° 4'39.10"E
	S	25°10'31.50"N	79° 4'38.50"E
	T	25°10'29.40"N	79° 4'37.90"E
	U	25°10'26.50"N	79° 4'34.00"E
	V	25°10'21.80"N	79° 4'30.60"E
	W	25°10'22.20"N	79° 4'29.20"E
	X	25°10'26.10"N	79° 4'28.90"E
	Y	25°10'27.30"N	79° 4'27.80"E
	Z	25°10'27.60"N	79° 4'27.00"E
	AA	25°10'24.60"N	79° 4'24.20"E
15. Total Geological Reserves	30,000 cum		
16. Total Mineable Reserves in LOI	15,000 cum		
17. Total Proposed Production	75,000 cum		
18. Proposed Production/year	15,000 cum		
19. Sanctioned Period of Mine lease	5 years		
20. Production of mine/day	54.54		
21. Method of Mining	Open Cast Semi-mechanized Method		
22. No. of working days	275 days		
23. Working hours/day	8 hrs		
24. No. of workers	51		
25. No. of vehicles movement/day	5		
26. Type of Land	Government waste land		
27. Ultimate Depth of Mining	0.82		
28. Nearest metalled road from site	.6 km		
29. Water Requirement	PURPOSE		REQUIREMENT (KLD)
	Drinking		0.51
	Suppression of dust		7.2
	Plantation		0.05
	Others (if any)		-
	Total		7.76
30. Name of QCI Accredited Consultant with QCI No and period of validity.	Cognizance Research India Pvt Ltd. 1922, validity= 03-02-2022		
31. Any litigation pending against the project or land in any court	No		
32. Details of 500 m Cluster Map & certificate issued by Mining Officer	Yes, 1648/30 M M C/(2019-2020)		
33. Details of Lease Area in approved DSR			
34. Proposed CER cost	Rs 13,00,000 /-		
35. Proposed EMP cost	Rs 11,54,000 /-		

36. Length and breadth of Haul Road	Length: 0.6 km, width: 6 m
37. No. of Trees to be Planted	75 plants

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

Shri Ved Prakash Shukla, Surveyor, Jhansi and Shri J.P. Dwivedi, Mining Officer, Jhansi inspect the above mining site on 19/05/2020 and sent a inspection report through E-mail on 20/05/2020. In the inspection report they have mentioned that the total area of the mining site is 5.0 ha but 2.0 ha mining area always submerged due to Sappara Dam and only 3.0 ha area available for the mining activity.

**RESOLUTION AGAINST AGENDA NO-12**

**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. At the time of operation, project proponent will comply with all the guidelines issued by Government of India/State Govt./District Administration related to Covid-19.
2. Environment management in according to environmental status and impact of the project.
3. Selection of plants for green belt should be on the basis of pollution removal index.
4. No mining activity should be carried out in-stream channel as per SSMMG, 2016.
5. Pakka motorable haul road to be maintained by the project proponent.
6. 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.
7. Permission from the competent authority regarding evacuation route should be taken.
8. Project proponent should ensure survival of tree saplings. Mortality should be replaced from time to time.
9. Site Pit photographs should be submitted with date, time and point-coordinate within 15 days.
10. One month monitoring report of the area for air quality, water quality, Noise level. Besides flora & fauna should be examined twice a week and be submitted within 45 days for a record.
11. Provision for cylinder to workers should be made for cooking.
12. The capacity of trucks/tractor for loading purpose will be in tonnes as per Transport Department applicable norms and standard fixed by the Government.
13. Provide suitable mask to the workers.
14. Approach road kaccha is to be made motorable and tree saplings to be planted on both sides of the road.
15. Indigenous plants should be planted according to CPCB guidelines and in consultation with local Divisional Forest Officer.
16. The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer.
17. Provision for two toilets and hand pumps should be made at mining site.
18. Drinking water for workers would be provided by tankers.
19. 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.
20. A buffer/safe zone shall be maintained from the habitation as per mining guidelines.



21. Corporate Environmental Responsibility (CER) plan shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018.
22. 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.
23. 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.
24. 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.
25. Width of the haul road shall be more than 6 meter.
26. 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.

**13. Badkala River Sand/Bajari/Boulder Mining at Khand No./Gata No.-8/1, 19, & 22, Village-HaiderpurHinduwalla, Tehsil- Behat,District-Saharanpur,U.P., Area: 4.20 Ha. File No. 5590/Proposal No. SIA/UP/MIN/ 147716/2020**

**RESOLUTION AGAINST AGENDA NO-13**

The project proponent requested to defer the matter in upcoming SEAC meeting. The committee discussed and matter and directed to defer matter as per request made by the project proponent. The matter will be discussed only after submission of online request on prescribed online portal.

**14. Sand Mining at Gata No.-57/4,Village-Motipur, Tehsil-Sadar,Distict-Gautam Buddha Nagar, U.P., (Leased Area: 1.2650 ha.). File No. 5592/Proposal No. SIA/UP/MIN/ 143635/2020**

**RESOLUTION AGAINST AGENDA NO-14**

A presentation was made by the project proponent through video/tele-conferencing/ email in view of the Corona Virus Disease (Covid-19) along with their consultant M/s Ind Tech House Consult. The committee discussed the matter and directed the project proponent to submit following information:

1. Geo coordinates verified by DMO.
2. Revised cluster certificate on prescribed format.

The matter will be discussed only after submission of online information on prescribed portal.

**15. Sand Mining from Ganga Riverbed at Khand No.- 30, at Village- Paranipur- II (Bara Shiv Temple to High Tension Line Tower) & Imlauti, Tehsil- Meja/ Handiya, District- Prayagraj, U.P., M/s Mahip Construction Area -5.0 ha. File No. 5659/Proposal No. SIA/UP/MIN/ 153040/2020**

A presentation was made by the project proponent through video/tele-conferencing/ email in view of the Corona Virus Disease (Covid-19) along with their consultant M/s PARAMARSH (Servicing Environment and Development). The committee discussed the matter and directed the project proponent to submit following information:

1. Revised Geo coordinates of submerged area, workable area and total leased area verified by DMO.
2. Calculate non-working area, working area and volume as per SSMMG, 2016.
3. Form-1 should be revised accordingly.

The matter will be discussed only after submission of online information on prescribed portal.



**16. Soil Mining at Gata no. 408, 491, 546, 547, 548, 634, 635 & 638, Village-Bakkas, Tehsil-Mohanlalganj, District-Lucknow, U.P., (Leased Area: 1.911 Ha) M/s Seema Enterprises. File No. 5615/Proposal No. SIA/UP/MIN/ 149387/2020**

As per the provision laid down in EIA Notification 2006 (as amended thereof) read along with notification S.O. 1224(E) dated 28.03.2020 issued by MoEF&CC GOI and also order issued by Environment, forest & climate change section -7, Government of UP Lucknow vide no. 446/81-7-2020-39(parya)/2014 TC-1 dated 01.05.2020 regarding the proposals which do not require environment clearance. Under the point no. 6 of notification dated 28.03.2020, it has been elaborated that, "Extraction or sourcing or borrowing of ordinary earth for the linear projects such as roads, pipelines, etc." has been exempted from seeking environment clearance. Hence, the said proposal no. SIA/UP/MIN/149387/2020 has been exempted from seeking environment clearance provided that all the norms laid down in the aforesaid notifications

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

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

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

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

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

**(Shri Rajiv Kumar)**  
**Member**

**(Prof. S.K. Upadhyay)**  
**Member**

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

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

**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 Parisad/ 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.