

Minutes of 487th SEAC Meeting Dated 28/08/2020

The 487th meeting of SEAC was held through video/tele-conferencing/ email in view of the Corona Virus Disease (Covid-19) on 28/08/2020. 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.	Prof. S.K. Upadhyay,	Member
8.	Shri Meraj Uddin,	Member
9.	Shri Rajive Kumar,	Member

The Chairman welcomed the members to the 487th SEAC meeting which was conducted online.
The SEAC unanimously took following decisions on the agenda points discussed:

1. Expansion of "Candor Tech Space", IT/ITES, SEZ, Plot No.- 20-21, Sector- 135, Noida Distt.- G.B. Nagar, U.P., M/s Seaview Developers Pvt. Ltd. File No. 5766/5690/Proposal No. SIA/UP/MIS/55411/2018

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

1. The Environmental clearance is sought for Expansion of "Candor Tech Space", IT/ITES, SEZ, Plot No.- 20-21, Sector- 135, Noida Distt.- G.B. Nagar, U.P., M/s Seaview Developers Pvt. Ltd.
2. Environmental Clearance for the earlier proposal was issued by SEIAA, U.P. vide letter no. 1651/92/SEAC/08/7, Dated 15th October, 2008.
3. The standard terms of reference for the expansion project were issued on 06/06/2020.
4. Final EIA report submitted by the project proponent on 09/08/2020.
5. Area details of the project:

Items	Details
Plot Area	1,20,000 m ²
Permissible Ground Coverage (30%)	36,000 m ²
Proposed Ground Coverage (29.27%)	35,133.41 m ²
Permissible FAR (@ 3 (Permissible FAR(as per lease) @ 2 Additional (within 500 m of metro corridor) @ 0.5 Additional (Purchasable) @ 0.5	360,000 m ²
IT/ ITES Offices	3,42,652.17 m ²
Service FAR	16,115.60 m ²
Total FAR Area proposed	3,58,767.77 m ²
Basement	1,74,468.79 m ²
Total Non FAR	2,17,557.05 m ²
Built up Area	5,76,324.82 m ²
Open Area	84,866.59 m ²

	(Plot area – Ground coverage)
Landscape area	42,079.14 m ²
No. of Trees(one tree per 80 m ² of open space)	Required: 1060 Provided: 1182
Area under roads & parking	42,787.45 m ²
Estimated Population	IT/ITES – 52,250
No of blocks and Tower	12 Tower + 2 Amenity Block + 1 MLCP (with IT floors)
Maximum Height	118 M approx. (G+27)

6. Salient features of the project:

Items	Details
Total Water Requirement Domestic Water Requirement STP Capacity	3,041 KLD 1,328 KLD 2400 KLD (3x300 KLD modules are already functional)
Solid Waste Generation	11,011 Kg/day
Power Requirement	18 MVA NPCL (Noida Power Corporation Limited)
Back Up	100 percent power backup
Parking Required & Provided	Required: 6853 ECS Provided: 6853 ECS

7. Comparative area details:

Items	As per EC issued vide letter no. 33/Parya/SEAC/4368/2019 dated 10 May 2019	New Proposal
Total Plot area	1,20,000 m ²	1,20,000 m ²
Total Permissible FAR	2,40,000 m ² (@2.0)	3,60,000 m ²
Total FAR Area (Proposed)	2,38,636.00 m ²	3,58,767.77 m ²
Ground Coverage Permissible	36,000 m ² (30%)	36,000 m ² (30%)
Ground Coverage Proposed	28,852.74 m ² (24.4%)	35,133.41 m ² (29.27%)
Open Area	90,675.00 m ²	84,866.59 m ²
Landscape Area	31,600 m ²	42,079.14 m ²
Area Under Roads & other services	59,075 m ²	42,787.45 m ²
Basement -1	85,732.21 m ²	99,335.86 m ²
Basement -2	49,542.86 m ²	67,339.23 m ²
Basement-3	-----	7,793.70 m ²
Total Basement Area	1,35,275.07 m ²	1,74,468.79 m ²
Service FAR Area	-	16,115.60 m ²
Maximum Building Height	Approx. 75.77 m (2B+G+16)	Approx. 118 M (G+27)
Total Nos. of Block/ Towers	11 Towers + 2 Amenity Block	12 Tower + 2 Amenity Block + 1 MLCP (with IT Floor)
Built-up Area	3,73,911.07 m ²	5,76,324.82 m ²
Total Water Requirement Domestic Water Requirement STP Capacity	2226 KLD 1059 KLD 2 x 900 KLD	3,041 KLD 1,328 KLD 2400 KLD (3x300 KLD modules are already functional)
Solid Waste Generation	8526 Kg/day	11,011Kg/day
Total Population	41,760	52,250
Number of Trees Provided	1060	1182

8. Land use details:

Description	Area (m ²)	% age of net plot area
Ground Coverage	35,133.41	29.28
Green Area	42,079.14	35.06
Area Under Roads & surface	42,787.45	35.66

parking		
Total area of the scheme	1,20,000	100.00

9. Water requirement details:

S. No.	Particulars	Total Population	Rate of Fresh Water (lpcd)	Fresh water (KLD)	Rate of Flushing Water (lpcd)	Recycling/ Flushing water (KLD)	Total Domestic water (KLD)
1.	IT/ITES	51400	25	1285	20	1028	2313
2.	Institutional Facilities	850	50	43	20	17	60
Total Domestic Water Requirement				1328		1045	2373
Horticulture @ 5l/sqm (42,079.14 sq m)						210	210
HVAC (9058 TR) @ 9 liter per TR of 14 hrs of operation.						247	247
DG (capacity 39000 KVA,) @ 0.9 lt/KVA/no. of hrs (6 hrs) of operation.						211	211
Total water requirement				1328		1713	3041

10. Solid waste details:

S.No.	Particulars	Population	Waste generated (kg/day)
1.	IT/ITES Offices (@0.2 kg/day)	51400	10280
2.	Facilities for IT/ Food courts (@ 0.5 kg/day)	850	425
Total Solid waste generated			10,705 Kg/day
Horticulture Waste (42079.14 sq m* 0.0037 kg/sqmt/day)			156 Kg/Day
E-Waste (0.15 kg/C/Yr) + obsolete machinery			25 Kg/Day
STP Sludge			125 Kg/Day

11. The project proposal falls under category 8 (b) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-01

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

1. Due to unavoidable circumstance and covid-19 pandemic, the authority are unable to visit the site therefore, it is not possible to make available the latest certified compliance report. In view of this the committee decided that the certified compliance report should be submitted within 03 months.
2. Solar energy to be used alternatively on the road and common places for illumination to save conventional energy as per ECBC Code.
3. The project proponent shall submit within the next 3 month the data of ground water quality including fluoride parameter to the limit of minimum deduction level for all six monitoring stations.
4. 15% area of the total plot area shall be compulsorily made available for the green area development including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
5. The waste water generated should be treated properly in scientific manner i.e. domestic waste water to be treated in STP and effluent such as RO rejects with high TDS and other chemical bearing effluent shall be treated separately.
6. Permission from local authority should be taken regarding discharge of excess water into the sewer line.
7. The height, Construction built up area of proposed construction shall be in accordance with the existing FAR norms of the competent authority & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
8. "Consent for Establishment" shall be obtained from UP Pollution Control Board.

9. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
10. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
11. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
12. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
13. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
14. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area).
15. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
16. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
17. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
18. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as cylinder for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.
19. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
20. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
21. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution of board of directors shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted along with six monthly compliance reports.
22. No parking shall be allowed outside the project boundary.
23. Digging of basement shall be undertaken in view of structural safety of adjacent buildings under information/consultation with District Administration/Mining Department. All the topsoil excavated during construction activities should be stored for use in horticulture /landscape development within the project site. Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
24. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
25. The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.
26. Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
27. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.

28. Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/UPPCB.
29. The green area design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential area and pollution also reduced. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green area Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
30. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
31. Pavements shall be so constructed as to allow infiltration of surface run-off of rain water. Construction of pavements around trees should be able to facilitate suitable watering, aeration and nutrition to the tree.
32. Roof top water in rainy season is to be discharged into RWH pits for ground water recharging. Arrangement shall be made that waste water and storm water do not get mixed.
33. All the internal drains are to be covered till the disposal point.
34. This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any.
35. Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.

2. Expansion of existing molasses based distillery from 45 KLD TO 65.3 KLD (RS/ENA/AA) along with power plant from 1.4 MW TO 2 MW at Khasra No.-634, 634 M, 633, 631, 627, 626, 624 partly, 622, Village-Rohana Mill, Block-Charthawal, Tehsil & District-Muzaffarnagar., M/s Indian Potash Ltd. File No. 5764/5646/Proposal No. SIA/UP/IND2/52832/2017

A presentation was made by project proponent 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 Expansion of existing molasses based distillery from 45 KLD to 65.3 KLD (RS/ENA/AA) along with power plant from 1.4 MW to 2.0 MW at Khasra No.-634, 634 M, 633, 631, 627, 626, 624 partly, 622, Village-Rohana Mill, Block: Charthawal, Tehsil & District: Muzaffarnagar (U.P.) by M/s Indian Potash Ltd.
2. The additional terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 208/Parya/SEAC/5646/2018, dated 27/07/2020
3. Final EIA report submitted by the project proponent on 13th August, 2020.
4. Salient features of the project:

Sr. No.	Item	Details
1	Name of the Project	M/s Indian Potash Ltd. (Rohana Unit: Distillery) Village: Rohana Mill, Block: Charthawal, Tehsil & District: Muzaffarnagar (U.P.)
2	Capacity of Distillery	Expansion from 45 KLD to 65.3 KLD (Rectified Spirit/Extra Neutral Alcohol/Ethanol)
3	Power Generation	From 1.4 MW to 2.0 MW Co- Generation of Power.
4	Category	Category "B" and Schedule - 5 (g)

5. Other project details:

S.No	Particulars	Details of Proposed Project (Capacity: 65.3 KLD)
1	Proposed capacity of Plant	Expansion of the existing project from 45 KLD to 65.3 KLD distillery (RS/ENA/AA) along with Co gen Power from 1.4 MW to 2 MW.

2	Total project cost	Rs.11300 Lakhs
3	Total project area	6.988 Hectares (17.267 Acres)(Adjoining existing Sugar Mill) at Khasra no. 634, 634 M, 633, 631, 627, 626, 624 partly, 622M Partly Village: Rohana Mill, Block: Charhawal, Tehsil & District: Muzaffarnagar (U.P.)
4	Category of Project	Category : B and Schedule : 5 (g)
5	Process Involve	Distillery Process : 1. Molasses Dilution 2. Yeast Propagation 3. Fermentation 4. Multi Pressure Distillation
6	Product	RS/ ENA / Ethanol (AA) : 65.3 KLD
7	Raw material and its Quantity	Molasses) & Sugarcane Syrup 284 MT/DAY of C-Molasses or 200 MT/Day of B-Heavy Molasses or 218 MT/Day of 50% Sugar Syrup Source: Adjacent own sugar unit & other standalone unit in nearby areas.
8	Co-Gen Power Generation	2.0 MW Co generation power
9	Fresh Water Requirement	Fresh Water Requirement : 445 KLD (Industrial Use) Source: Treated and Condensate water from adjacent sugar industry as well as surface water through canal.
10	Power requirement	The total power requirement for the project will be 1.8 MW. Source: Proposed 2.0 MW Co – Generation Power Plant.
11	Fuel and its quantity	Slop will be incinerated in boiler along with coal/husk as supporting fuel. Slop: 166 TPD Coal Requirement : 60 TPD (or Husk:70 TPD)
12	Steam requirement	17 TPH
13	Number of boiler	1 no. Boiler: 22 TPH Technology : (Slop Fired incineration Boiler)
14	Air Pollution Control Device	ESP
15	Number of Stack	Proposed One Stack: 70 Meters
16	Waste Water treatment	Spent wash treatment:326 KLD It will be concentrated in Multi effect evaporation and then concentrate from MEE will be utilized in Incineration fired boiler as a fuel along with Coal/ Husk. Other effluent treatment:507 KLD MEE condensate, Blowdowns of CT, Boiler, Floor washing etc will be treated in CPU and treated water will be recycled back to process and cooling in Distillation & CT.
17	Waste Water Discharge	Unit is based Zero Liquid discharge Industry (ZLD)
18	Solid Waste Generation	Total Ash generated : 35 TPD Fermenter sludge: 2 TPD Disposal: Total Ash and Fermenter Sludge will be used as manure.
19	No of Working Days	350 Days / Annum.
20	Employment Generation	80 Number
21	Green Belt Development	33% of the project area will be covered under green belt plantation (2.306 Hectare)
22	Cost towards Environmental Protection measures (capital cost)	40 Crores (it include Waste water treatment system, Boiler, MEE, APCs, Green Belt, Health Safety equipment, granules formation machinery etc)
23	Recurring cost towards Environmental control measures	1 Crore per year.
24	CSR expenses	2% of total annual Profit as per the CSR Act (By Ministry of corporate affairs) Notification GSR 129 (E).
25	Corporate Environmental Responsibility (CER)	169.5 lakhs (1.5% of project cost)

6. Land Use Details:

Sr No.	Land use	Area (sqm)	Area in %
1	Green Belt Area	23,060.0	33.00
2	Open Land	23396.3	33.48
3	Road/ Paved Area	4330.0	6.20
4	Covered /Rooftop area of building/ sheds	19093.7	27.32
	GRAND TOTAL	69,880.0	100

7. Raw material required with daily consumption and transport:

Sl. No	Particular	Requirement	Storage	Source and mode of transportation
1.	Molasses (All variants like B-Heavy, Final C-Molasses) & Sugarcane Syrup	C-Molasses: 284 MT/Day or B-Heavy Molasses :200 MT/Day or 218 MT/Day of 50% Sugar Syrup	Molasses storage tanks	Through Sugar Mills via Road
Other Chemicals				
2.	Sulphuric Acid	435 Kg/day	Storage facility will be available for the chemical within proposed distillery premises as per requirement.	Nearby markets/ by roads
3.	Sodium hydroxide (caustic)	870 kg/ day		
4.	Nutrients	205 kg/day		
5.	Enzymes	35.7 kg/Day		
6.	Anti-foam agents	58.0 kg/Day		

8. Plant and machinery:

- 1) 65.3 KLD Ethanol plant with integrated evaporator and alcohol storage system, MEE
- 2) 22 TPH concentrated spent wash (slop) fired incineration boiler including air pollution control system (ESP)
- 3) Ash handling system,
- 4) Fuel handling system
- 5) Turbo generator & condenser with arrangement for the export of surplus power
- 6) Power distribution system
- 7) Cooling towers
- 8) Plant piping, valves etc
- 9) Pumps with drive motors
- 10) Condensate Polishing unit
- 11) Distributed control system
- 12) Fire fighting system etc.
- 13) Molasses storage tanks
- 14) Product storage tanks
- 15) Weighbridges
- 16) RCC Chimney

9. Water requirement details:

1	Industry Use	445 KLD(@ 6.8 KL/ KL of product)
2	Domestic Use	20 KLD
3	Total Water Requirement	465 KLD
	Source: Treated and Condensate water from adjacent sugar industry as well as surface water through canal.	

10. Waste water generation:

1	Waste Water Generation	Spent Wash: 326 KLD (@ 5 KL/KL of Product) Other Effluents: 507 KLD
2	Treatment Technology	Spent wash treatment: It will be concentrated in Multi effect evaporation and then concentrate from MEE will be utilized in Incineration fired boiler as a fuel along with Coal/ Husk.

		Other effluent treatment: MEE condensate, Blow downs of CT, Boiler, Floor washing etc. will be treated in CPU and treated water will be recycled back to process and cooling in Distillation & CT.
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11. The project proposal falls under Category “B” and Schedule - 5 (g) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-02

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

I. Statutory compliance:

1. 45 days monitoring report of the area for air quality, water quality, Noise level. Besides flora & fauna should be examined twice a week and be submitted within 60 days for a record.
2. Due to unavoidable circumstance and covid-19 pandemic, the authority are unable to visit the site therefore, it is not possible to make available the latest certified compliance report. In view of this the committee decided that the certified compliance report should be submitted within 03 months.
3. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
4. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
5. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six - monthly compliance report. (in case of the presence of schedule-I species in the study area).
6. 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.
7. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
8. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules , 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989

II. Air quality monitoring and preservation:

1. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2. The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.s in

reference to PM emission , and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous).

3. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six- monthly monitoring report.
4. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
5. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.
6. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
7. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.
8. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.

III. Water quality monitoring and preservation:

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

IV. Noise monitoring and prevention:

1. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
2. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all

sources of noise generation.

3. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

V. Energy Conservation measures:

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

VI. Waste management:

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

VII. Green Belt:

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

VIII. Safety, Public hearing and Human health issues:

1. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
3. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
4. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
5. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
6. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places

IX. Corporate Environment Responsibility:

1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements /deviation/violation of the environmental / forest /wildlife norms / conditions. The company shall have defined system

of reporting infringements / deviation/ violation of the environmental/ forest / wildlife norms 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.

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

X. Miscellaneous:

1. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4. The project proponent shall monitor the criteria pollutants level namely; PM10, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
5. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
6. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
7. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
8. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
9. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
10. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
11. Concealing factual data or submission of false /fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection)

Act, 1986.

12. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
13. The Ministry reserves the right to stipulate additional conditions if found necessary.
14. The Company in a time bound manner shall implement these conditions.
15. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
16. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
17. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

3. Establish a 100 KLD (RS/RNA/Ethanol) Molasses based Distillery along with 4 MW of Co-Generation of Power at Village-Sujanpur,Ranet Chouraha Tehsil-Bisauli, District-Badaun, U.P., M/s Yadu Sugar Ltd. File No. 5768/Proposal No. SIA/UP/IND2/54305/2018

A presentation was made by project proponent 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 100 KLD (RS/RNA/Ethanol) Molasses based Distillery along with 4.0 MW of Co-Generation of Power at Village: Sujanpur, RanetChouraha, Tehsil: Bisauli, District: Badaun (U.P.) by M/s Yadu Sugar Limited (Distillery Unit).
2. The terms of reference in the matter were issued by SEIAA, UP vide letter no. 209/PARYA/SEAC/5657/2018, dated 27 July, 2020.
3. Final EIA report submitted by the project proponent on 12th August, 2020.
4. Salient features of the project:

Sr.No.	Item	Details
1	Name of the Project	M/s YaduSugar Limited (Distillery Unit) Village: Sujanpur, RanetChouraha, Tehsil: Bisauli District: Badaun (U.P.)
2	Capacity of Distillery	100 KLD (Rectified Spirit/Extra Neutral Alcohol/Ethanol)
3	Power Generation	4.0 MW Co- Generation of Power.
4	Category	Category "B" and Schedule - 5 (g)

5. Other project details:

Sr. No.	Attributes	Details
1	Proposed capacity of Plant	Proposed to establish a 100 KLD (Ethanol Plant), molasses based distillery along with 4.0 MW of Co- Generation Power Plant.
2	Proposed Project Location	Khasra no. 53,54k,55,64,66,69,70, 71,72,73,75,70,79, 80,86,92,95,138,247,248,249, 253,295, 320kha, 321, 312, 332k, 353kha, 340,416ka,416kha,417,419,420) at Village:Sujanpur, RanetChouraha, Tehsil: Bisauli District- Badaun (U.P.)
3	Total project cost	Rs 160.17 Crores
4	Total project area and Green Belt development	Total Land for Proposed Distillery: 7.975 Hectares (33% of the project area will be covered under green belt plantation of

		2.6 Hectares) (Establishment of new distillery adjacent to existing sugar unit).
5	Category of Project	Category : B and Schedule : 5 (g)
6	Process Involve	Molasses Dilution, Fermentation & Distillation
7	No of Working Days	360 Days/ Annum
8	Raw material and its Quantity	Molasses: 540 KLD
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)	Industrial : 720 KLD (@ 7.2 KL/KL of product) (Net fresh water requirement after recycling) Domestic : 20 KLD
12	Power requirement	3.5 MW Source : Co Generation Power Plant : 4.0 MW (In House)
13	Fuel and its quantity	Slop : 260 KLD Bagasse / Biomass : 132 TPD
14	Steam requirement	28 TPH
15	Number of boiler proposed	1 No. 45 TPH slop fired boiler
16	Air Pollution Control Device	ESP along with Stack of height 72 Meters
17	Waste Water Generation	Spent Wash: 600 KLPD @ 6 KL/KL of Product Other Effluents: 965 KLD
18	Waste Water treatment	For Spent wash: MEE + Incineration (Slop fired Boiler) will be installed. For Other effluent: Condensate Polishing Plant will be installed for treatment of various other effluents (Condensate, Lees, Floor washing, Blow downs). For Domestic waste septic tank and soak pit will be installed
19	Waste Water Discharge	Unit is based on Zero Liquid Discharge
20	Solid Waste Generation	Total Ash: 51 MT/Day: will be utilized as manure due to high organic and potash content. Fermenter Sludge: 12 MT/Day, will be used as manure along with ash.
21	Cost towards Environmental Protection measures (capital cost) after proposed expansion	Rs. 3800 lakhs
22	Recurring cost towards Environmental control measures	Rs. 310 Lakhs
23	CER Expenses	240.2 Lakhs @ (1.5% of total project cost)

6. Land use breakup:

Land Use Details	Grand Total (sq meter)
Green Belt Area	26317.50
Open Land	17545.00
Road/ Paved Area	14355.00
Rooftop area of building/sheds	21532.5
Total	79750.00

7. Raw material required with daily consumption and transport:

Sl. No	Particular	Requirement	Storage	Source and mode of transportation
1.	Molasses	Molasses: 540 KLD	Molasses storage tanks	Through local suppliers via road
Other Chemicals				
2.	Sodium hydroxide (caustic) (kg/day)	250-300	Solid form packed in 50 kg bags stored in godown	Nearby markets/ by roads
3.	Nutrients (kg/day)	300	Solid form packed in 50 kg bags stored in godown	

4.	Enzymes (kg/day)	200	Liquid form packed in cans and stored in godown
5.	Anti-foam agents (kg/day)	125	Liquid form packed in drums and stored in godown
6.	Yeast (active dry yeast)	80.0	Solid form packed in bags & stored in godown

8. Plant and machinery:

- 1) 100 KLD Ethanol plant with integrated evaporator and alcohol storage system, MEE
- 2) 45 TPH concentrated spent wash (slop) fired incineration boiler including air pollution control system (ESP)
- 3) Ash handling system,
- 4) Fuel handling system
- 5) Turbo generator & condenser with arrangement for the export of surplus power
- 6) Power distribution system
- 7) Cooling towers
- 8) Plant piping, valves etc
- 9) Pumps with drive motors
- 10) Condensate Polishing unit
- 11) Distributed control system
- 12) Firefighting system etc.
- 13) Molasses storage tanks
- 14) Product storage tanks
- 15) Weighbridges
- 16) RCC Chimney

9. Water requirement details:

Water Requirement		
1	Industry Use	720 KLD(@ 7.2 KL/ KL of product)
2	Domestic Use	20 KLD
3	Total Water Requirement	740 KLD
Source: Ground water (from Tube well)		

10. Waste water generation:

1	Waste Water Generation	Spent Wash: 600 KLD (@ 6 KL/KL of Product) Other Effluents: 965 KLD s
2	Treatment Technology	For Spent wash: MEE + Incineration (Slop fired Boiler) will be installed. For Other effluent: Condensate Polishing Plant will be installed for treatment of various other effluents. (Condensate, Lees, Floor washing, Blow downs). For Domestic waste septic tank and soak pit will be installed

11. The project proposal falls under Category “B” and Schedule - 5 (g) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-03

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

I. Statutory compliance:

1. 45 days monitoring report of the area for air quality, water quality, Noise level. Besides flora & fauna should be examined twice a week and be submitted within 60 days for a record.
2. Due to unavoidable circumstance and covid-19 pandemic, the authority are unable to visit

the site therefore, it is not possible to make available the latest certified compliance report. In view of this the committee decided that the certified compliance report should be submitted within 03 months.

3. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
4. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
5. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six - monthly compliance report. (in case of the presence of schedule-I species in the study area).
6. 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.
7. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
8. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules , 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989

II. Air quality monitoring and preservation:

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

stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.

8. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.

III. Water quality monitoring and preservation:

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

IV. Noise monitoring and prevention:

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

V. Energy Conservation measures:

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

VI. Waste management:

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

- xii. Use of high pressure hoses for equipment clearing to reduce wastewater generation

VII. Green Belt:

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

VIII. Safety, Public hearing and Human health issues:

1. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
3. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
4. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
5. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
6. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places

IX. Corporate Environment Responsibility:

1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements /deviation/violation of the environmental / forest /wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation/ violation of the environmental/ forest / wildlife norms 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.
3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive , who will directly to the head of the organization.
4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
5. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X. Miscellaneous:

1. The project proponent shall make public the environmental clearance granted for their project

- along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
 3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
 4. The project proponent shall monitor the criteria pollutants level namely; PM10, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
 5. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
 6. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
 7. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
 8. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
 9. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
 10. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
 11. Concealing factual data or submission of false /fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
 12. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
 13. The Ministry reserves the right to stipulate additional conditions if found necessary.
 14. The Company in a time bound manner shall implement these conditions.
 15. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
 16. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
 17. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

4. Revision and Expansion of Group Housing Project "Devika Gold Homz" at Plot No.- GH-06C, Sector-01, Greater Noida, Gautam Budh Nagar, U.P. M/s Devika Gold Homz Pvt. Ltd. File No. 5617/Proposal No. SIA/UP/MIS/52465/2019

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

1. The Environmental clearance is sought for Revision and Expansion of Group Housing Project "Devika Gold Homz" at Plot No.- GH-06C, Sector-01, Greater Noida, Gautam Budh Nagar, U.P. M/s Devika Gold Homz Pvt. Ltd.
2. Environmental Clearance for the earlier proposal was issued by SEIAA, U.P. vide letter no. 83/Parya/SEAC/828/2011/DDY dated 29/04/2013.
3. Certified Compliance report for the earlier environmental clearance conditions has already been issued by Regional Office, MoEF&CC, Govt. of India vide letter no. VII/Env/SCL/UP/1891/2019 dated 24.12.2019.
4. The terms of reference for the expansion project were issued by SEIAA, UP vide letter no. 177/PARYA/SEAC/5046/2018, dated 30/06/2020.
5. Final EIA report submitted by the project proponent on 17/03/2020.
6. Comparative details of existing and proposed expansion of the project:

S. N.	Particulars	Existing (A)	Revision (B)	Proposed (C)	Total
1	Plot Area	30,000 sqm	No revision	same	No Change
2	Green Area Achieved	11630.37 sqm (50.22% of open area)	31.196	-	11599.174 sqm (50.035 % of open area)
3	Total Proposed FAR	82,483.34 sqm	-	22,497.72 sqm	104981.063 sqm
4	Built Up Area	1,19,540 sqm	-	40,623.66 sqm	1,60,163.769 sqm
5	Maximum Building Height	57 m			76.75 m (No vertical expansion)
6	Tower Details	10 Towers, 1 Community i.e Tower DG1, DG2,DG3,DG4,DG5, DG7, DG8,DG9,DG10 & DG11	Tower DG8,DG9,DG10 & DG11	Tower 4, Commercial shop, 1 Community	Existing: Tower DG1, DG2,DG3,DG4,DG5, DG7, Revision and proposed: Tower 1,2,3,4 & 5, 2 Community, Commercial Shop
7	Maximum Floor Details	B+S+19	-	2B+S+23	Changed
8	STP Capacity	435 KLD	-	165 KLD	600 KLD
9	RWH Pits	4 nos.	-	4 nos.	8 nos.
10	Category and Schedule as per EIA Notification,2006	B, 8(a)	-	B, 8(b)	Changed

7. Area details of the project:

S. No.	Particulars	Existing (A)	Revision (B)	Proposed (C)	Total	Percentage
		(in m ²)	(in m ²)	(in m ²)	[(A-B)+C] (in m ²)	%
1	Plot Area	30,000				100
2	Permissible Ground Coverage (@35% of the plot area)	10,500				
3	Proposed Ground Coverage	6,842.27	26.64	0.00	6,815.63	
		(22.81% of Plot	(0.09% of	(22.72 % of plot	22.72

		Area)	Plot area)		area)	
4	Open Area (1-3)	23,157.73	0.000	26.639	23,184.369	77.28
5	Required Green Area	11,578.87	0.00	13.32	11,592.18	
6	Green Area Achieved	11630.37 (50.22% of open area)	31.196	0	11,599.174 (50.035% of open area)	38.66
7	Surface Parking Area	4,540	21	0	4,519	15.06
8	Area under Road pavements	6,987	0	79	7,067	23.56
9	Total Permissible FAR [9(a)+9(b)+9(c)]	83,325	0	22,725	1,06,050	
S. No.	Particulars	Existing (A) (in m ²)	Revision (B) (in m ²)	Proposed (C) (in m ²)	Total [(A-B)+C] (in m ²)	
9(a)	Permissible FAR @ 2.75	82,500				
9(b)	Purchasable FAR @ 0.75	0	0	22,500	22,500	
9(c)	Permissible Commercial FAR	825	0	225	1,050	
10	Total Proposed FAR [10(a)+10(b)]	82,483.34	0	22,497.72	1,04,981.063	
10(a)	Proposed Residential FAR	81,660.96	0	22,270.77	1,03,931.733	
10(b)	Proposed Commercial FAR	822.38	0	226.95	1,049.33	
11	Permissible facility area (15% of total FAR)	12,375	0	3,375	15,750	
12	Proposed facility area	11,225.22	0	1,422.80	12,648.021	
13	Proposed Non FAR area (Basement, Podium and Stilt)	25,831.55	0.00	16,703.14	42,534.685	
14	Built Up Area (10+12+13)	1,19,540	0	40,623.66	1,60,163.769	

8. Parking details:

A	No. of ECS in Podium parking	138 ECS
B	No. of ECS on surface parking	226 ECS
C	No. of ECS in first basement parking	801 ECS
D	No. of ECS in second basement parking	340 ECS
E	No. of ECS in Stilt parking	72 ECS
Total		1,577 ECS

9. Water Supply:- Total Water requirement of the project 614 KLD . This is proposed to be met through water supply from Greater Noida Industrial Development Authority.
10. Sewage Connection: 494 KLD of wastewater will be generated from the project which will be treated in the MBBR based Sewage Treatment Plant of 600 KLD. It is expected that approximately 395 KLD of treated water will be recovered from the STP. The treated water will be used in flushing & horticulture within the project premises and the surplus treated water will be discharged to the sewer/nearby construction activities.
11. Power: The power supply shall be supplied by Noida Power Company Limited (NPCL). The demand load for the project after the expansion is estimated to be 3200 KVA.
12. DG sets of capacity 1800 kVA (i.e 3 x 500 kVA 1 x 300 kVA) are propose for the complete project. Out of the 4 DG set 2 of them will be in standby.
13. The project proposal falls under category 8 (b) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-04

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

1. Solar energy to be used alternatively on the road and common places for illumination to save conventional energy as per ECBC Code.

2. The project proponent shall submit within the next 3 month the data of ground water quality including fluoride parameter to the limit of minimum deduction level for all six monitoring stations.
3. 15% area of the total plot area shall be compulsorily made available for the green area development including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
4. The waste water generated should be treated properly in scientific manner i.e. domestic waste water to be treated in STP and effluent such as RO rejects with high TDS and other chemical bearing effluent shall be treated separately.
5. Permission from local authority should be taken regarding discharge of excess water into the sewer line.
6. The height, Construction built up area of proposed construction shall be in accordance with the existing FAR norms of the competent authority & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
7. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
8. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
9. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
10. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
11. 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.
12. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
13. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area).
14. 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.
15. 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.
16. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
17. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as cylinder for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.
18. 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.
19. 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.
20. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution of board of directors shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted along with six monthly compliance reports.
21. No parking shall be allowed outside the project boundary.

22. Digging of basement shall be undertaken in view of structural safety of adjacent buildings under information/consultation with District Administration/Mining Department. All the topsoil excavated during construction activities should be stored for use in horticulture /landscape development within the project site. Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
 23. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
 24. 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.
 25. Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
 26. 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.
 27. 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.
 28. The green area design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential area and pollution also reduced. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green area Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
 29. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
 30. Pavements shall be so constructed as to allow infiltration of surface run-off of rain water. Construction of pavements around trees should be able to facilitate suitable watering, aeration and nutrition to the tree.
 31. Roof top water in rainy season is to be discharged into RWH pits for ground water recharging. Arrangement shall be made that waste water and storm water do not get mixed.
 32. All the internal drains are to be covered till the disposal point.
 33. 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.
 34. Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.
5. **Cement Grinding Unit of 3,60,000 MTPA at Plot No.-b-10, Ramnagar Industrial Area-I, Village-Patana, Tehsil-Mughal Sarai, Chandauli, U.P., M/s Chunar Churk Cement Ltd. File No. 5740/Proposal No. SIA/UP/IND/ 55067/2020**

The SEAC observed that the standard terms of reference (TOR) has already been issued through online portal. The SEAC opined that the additional TOR does not require to be imposed in the project.

6. **Cement Industry having production capacity $150 \times 1 = 150$ TPD or 45,000 tons per annum at Village- Mai, Post- Rampur, Tehsil- Mariyahu, District-Jaunpur, U.P., M/s J.P. Cement & Chemicals. File No. 5751/Proposal No. SIA/UP/IND/55362/2020**

The committee observed that the project proponent has withdrawn the project through online portal. Hence, the committee directed to close the file no. 5751.

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

RESOLUTION AGAINST AGENDA NO-07

The committee noted that the matter was earlier discussed in 444th SEAC meeting dated 08/01/2020 and recommended to grant the environmental clearance along with general and specific conditions. The matter was discussed by the SEIAA in its 347th meeting dated 14/02/2020 and directed is as follows:

“SEIAA noted that SEAC has recommended to issue Environmental Clearance to the project. SEIAA gone through the file and documents and found that in general and specific condition no. X(7) it is mentioned that:-

“The project proponent allows the treated effluent to be discharged in the ambient environment only after exhausting options for reuse in order to minimize freshwater usage. (in case of the large scale tanneries in sensitive/critical areas-implement Zero Liquid Discharge)”

SEIAA opined that the condition is confusing and is not clear about the disposal of treated water/ZLD and hence the project shall be referred back to SEAC for clear recommendation for this particular project.”

In reference of 347th SEIAA minutes, the project proponent submit a letter dated 25/02/2020 and the letter was put up in 363rd SEIAA meeting dated 19/03/2020 and the SEIAA directed to refer the letter to SEAC for necessary action.

As per the direction of SEIAA, the matter was listed in 487th SEAC meeting dated 28/08/2020. The committee went through the file and documents and noted that the project proponent submit an affidavit dated 17/07/2020 through which they have informed that the project proposal does not comes under any critically polluted area identified by CPCB. The project proponent also submitted a letter dated 30/07/2020 alongwith information of Critically/Severally Polluted Areas in Uttar Pradesh provided by Central Pollution Control Board, Regional Office, Lucknow in respect of RTI application of Shri Ashish K. Mishra.

The SEAC review the comments of SEIAA and found that the project proposal does not come under sensitive/critically polluted area identified by CPCB. The committee opined that the condition no. X(7), X(8) and X(9) stipulated in 444th SEAC meeting dated 08/01/2020 should be deleted and the committee again recommended to grant the environmental clearance along with general and specific conditions stipulated by SEAC in its 444th SEAC meeting dated 08/01/2020.

8. Affordable Housing Project at Sector-22 D, Yamuna Expressway Industrial Development Authority, G.B. Nagar, U.P., M/s Yamuna Expressway (YEIDA). File No. 2301

The committee noted that the matter was earlier discussed in 300rd SEAC meeting dated 24/12/2016 and directed the project proponent to submit following information:

1. Submit the complete documents regarding the project, copy of approved layout plan/building plans/services plans.
2. The structure design along with the certificate by qualified structure engineer should be submitted. The structural design certificate should preferably be vetted by IITs. Provisions of evacuation route and alarm system, to timely notify the employees/residents, in case of occurrence of earthquake/other natural disasters/fire should be provided.

The project proponent submitted their replies vide letter dated 21/02/2017 & 20/05/2019. A presentation was made by project proponent along with their consultant M/s Ascenso Enviro Pvt. Ltd. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for “Affordable Housing” at Sector-22D, Yamuna Expressway Industrial Development Authority, Distt-G.B.Nagar, U.P. M/s Yamuna Expressway Industrial Development Authority.
2. Salient feature details:

Name and Location of the Project	Proposed “Affordable Housing” Project at Sector 22 D, Village Ballukhera, Yamuna Expressway Industrial Development Authority, Gautam Budh Nagar, Uttar Pradesh.
Developers of the project	Yamuna Expressway Industrial Development Authority
Coordinate of project site	Latitude: 28°18'35.34" North Longitude: 77°32'28.12"East
Total Plot Area	1, 42, 370 Sq.m
Built-up Area (FAR + Non-FAR)	1, 93,019.97 Sq.m
No. of Dwelling Units Proposed	5,100
Total Population	12,750
Total Water Consumption & Source	1398 KLD (<i>Source: Municipal Water Supply</i>)
Total Freshwater Requirement	928 KLD
STP Capacity & Technology	1500 KLD, Fluidized Bed Reactor (FBR)
Power Requirement & Source	12.522 MW (<i>Source: Noida Power Company Limited (NPCL)</i>)
Total Parking provided	305 E.C.S in the stlit
Solid Waste Generated	7012.85 kg / day and 16.175 kg/day as biomedical waste
No. of RWH Pits	26 pits

3. Detail of building block:

S. No.	Type of building	Story
1	Dwelling Units	G+3
2	Senior Secondary School	G+3
3	Nursery School	G+3
4.	Commercial	G+3
5.	Day Care centre	G+3
6.	Community Hall	G+3
7.	Nursing Home	G+3
8.	Police Station	G+3
9.	Milk Booth	G+1

4. Land use details:

Type of Land Use	Area (hectare)	Area (Sq Km)	Area (%)
Settlement	1136.5056	11.36	3.39
Open land	3921.8112	39.22	11.71
Water Bodies	118.1376	1.18	0.35
River/Nala	335.0592	3.35	1.00
Vegetation	553.8816	5.53	1.65
Forest	321.0048	3.21	0.96
Agricultural Land	5564.6784	55.64	16.61
Agricultural Fallowland	21248.4672	212.48	63.42
Sand	303.84	3.03	0.91
Total	35299	353	100

5. Area statement:

S. No	Particulars	Area (Sq.mt)	%
1	Total Plot Area	142370	100 %
	Plot area for Senior Secondary School	6,369.00	4.47 % of plot area
	Plot area for Nursery School	1,000.00	0.70 % of plot area
	Plot area for Nursing Home	1,000.00	0.70 % of plot area
	Plot area for Convenient Shopping/Commercial	2,900.00	2.03 % of plot area
		742.00	0.52 % of plot area
	Plot area for Day Care Centre	400.00	0.28 % of plot area
	Plot area for Milk Booth	4,148.00	2.91 % of plot area

	Plot area for Community Hall/Library	528.00	0.37 % of plot area
	Plot area for Electrical Sub station	200.00	0.14 % of plot area
	Plot area for Auto Stand	520.00	0.36 % of plot area
	Plot area for Police Chowki		
2	Permissible Ground Coverage	56,948	40 % of Plot Area
3	Proposed Ground Coverage	48,529	34.8 % of Plot Area
	Ground Coverage for Residential	41,826.80	29.37 % of Plot Area
	Ground Coverage for Electrical Substation	527.76	0.37 % of Plot Area
	Ground Coverage for Senior Secondary School	2,547.60	1.78 % of Plot Area
	Ground Coverage for Nursery School	400.00	0.28 % of Plot Area
	Ground Coverage for Commercial	870.00	0.611 % of Plot Area
	Ground Coverage for Day Care Centre	296.80	0.70 % of Plot Area
	Ground Coverage for Milk Booth	160.00	0.11 % of Plot Area
	Ground Coverage for Community Hall	1,244.00	0.87 % of Plot Area
	Ground Coverage for Nursing Home	300.00	0.21 % of Plot Area
	Ground Coverage for Police Station	156.00	0.10 % of Plot Area
	Ground Coverage for Auto Stand	200.00	0.14 % of Plot Area
4	Permissible FAR	2,84,740	200 % of Plot Area
5.	FAR Achieved	1,79,435.00	126.03 % of Plot Area
	Total Residential FAR	1,58,130.60	111.07 % of Plot Area
	FAR of Ground Floor	32,650.20	22.93 % of Plot Area
	FAR of first Floor	41,826.80	29.37 % of Plot Area
	FAR of Second Floor	41,826.80	29.37 % of Plot Area
	FAR of Third Floor	41,826.80	29.37 % of Plot Area
	FAR of Senior Secondary School	8,917.00	6.26 % of Plot Area
	FAR of Nursery School	1,400.00	0.98 % of Plot Area
	FAR of Commercial	2,828.00	1.98 % of Plot Area
	FAR of Day Care Centre	1,039.00	0.72 % of Plot Area
	FAR of Community Hall	4,978.00	3.49 % of Plot Area
	FAR of Nursing Home	1,200.00	0.84 % of Plot Area
	FAR of Police Station	624.00	0.43 % of Plot Area
	FAR of Milk Booth	320.00	0.22 % of Plot Area
6.	Total Non FAR Area	13,584.97	9.54 % of Plot Area
	Electric Sub Station (services)	378.00	0.26 % of Plot Area
	Mumty	4,032.00	2.83 % of Plot Area
	Stilt Area	9,174.97	6.44 % of Plot Area
7.	Open Area	93,841.00	65.91 % of Plot Area
8.	Landscape area	46,983.12	33.0007 % of open area
9.	Built-up Area (5+6)	1,93,019.97	---

6. Facility and population details:

S. No.	Types	No of unit / Area in m sq	Person Per Unit	Population
1.	Dwelling Units	5100 nos.	2.5	12750
2.	Senior Secondary School	8917.00	1 person/ 4 sq m	2229
3.	Nursery School	1400.00	1 person/4 sq m	350
4.	Day Care and Crèche	1039.00	1 person/4 sq m	260
5.	Convenient Shopping			616
		870.00	1 person/3 sq m	290
		1958.00	1 person/6 sq m	326
6.	Nursing Home			260
	No. of Beds	30		30
	Attendants	30		30
	Staff@20%	40	1 person/6 sq m	40
	OPD Population@80%	160	1 person/6 sq m	160
7.	Community Hall/Library	4978.00	1 person/1.5 sq m	3319
8.	Visitor (10 % of DU			1275

	Population)			
	Total Population			21059

7. Water requirement during the operational phase will be met through Municipal supply and Authority water may not be sufficed to fulfill the water requirement; hence the 7 nos (6 duty + 1 stand by) of bore wells of 10,000 LPH (10 hours fill time) will be in Planning. The total fresh water requirement is 942 KLD which includes Domestic water requirement and for the firefighting tank and water requirement for Flushing and landscaping will be met through treated water from STP.

8. Solid waste generation and management :

S. No.	Category of Solid Waste	Waste Generation	Average	Occupancy	Waste generated
1.	Residential	0.3 to 0.6 kg/cap/day	0.45	12750	5737.5
2.	Educational Area (Sr. Secondary School, Nursery School and Day care and crèche)	0.1 to 0.2 kg/cap/day	0.125	2839	354.875
3.	Convenient Shopping	0.1 to 0.2 kg/cap/day	0.125	616	77
4.	Community Hall/Library	0.05 to 0.2 kg/cap/day	0.125	3319	414.875
5.	Nursing Home				
	Beds	1.5 kg/day/bed	1.5	30	45
	Attendants, Staff, OPD Population	0.05 to 0.2 kg/cap/day	0.125	230	28.75
6.	Floating Population	0.05 to 0.2 kg/cap/day	0.125	1275	159.375
Total waste generated					6817.375 kg/day
Biomedical waste generation@ 25% of Nursing Home waste					16.175 kg/day

9. The project proposal falls under category 8 "b" of EIA notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-08

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

- Organic waste convertor should be installed.
- The plantation should be made as per guidelines of MoEF&CC.
- Solar energy to be used alternatively on the road and common places for illumination to save conventional energy as per ECBC Code.
- The project proponent shall submit within the next 3 month the data of ground water quality including fluoride parameter to the limit of minimum deduction level for all six monitoring stations.
- 15% area of the total plot area shall be compulsorily made available for the green area development including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
- The waste water generated should be treated properly in scientific manner i.e. domestic waste water to be treated in STP and effluent such as RO rejects with high TDS and other chemical bearing effluent shall be treated separately.
- Permission from local authority should be taken regarding discharge of excess water into the sewer line.
- The height, Construction built up area of proposed construction shall be in accordance with the existing FAR norms of the competent authority & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
- "Consent for Establishment" shall be obtained from UP Pollution Control Board.

10. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
11. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
12. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
13. 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.
14. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
15. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area).
16. 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.
17. 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.
18. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
19. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as cylinder for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.
20. 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.
21. 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.
22. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution of board of directors shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted along with six monthly compliance reports.
23. No parking shall be allowed outside the project boundary.
24. Digging of basement shall be undertaken in view of structural safety of adjacent buildings under information/consultation with District Administration/Mining Department. All the topsoil excavated during construction activities should be stored for use in horticulture /landscape development within the project site. Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
25. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
26. 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.
27. Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
28. 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.

29. 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.
30. The green area design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential area and pollution also reduced. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green area Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
31. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
32. Pavements shall be so constructed as to allow infiltration of surface run-off of rain water. Construction of pavements around trees should be able to facilitate suitable watering, aeration and nutrition to the tree.
33. Roof top water in rainy season is to be discharged into RWH pits for ground water recharging. Arrangement shall be made that waste water and storm water do not get mixed.
34. All the internal drains are to be covered till the disposal point.
35. 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.
36. Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.

9. Revision & Expansion of Group Housing "Palm Olympia" at Plot No.-GH-02, Sector-16C, Greater Noida, U.P., M/s Sam India Abhimanyu Housing. File No. 5771/Proposal No. SIA/UP/NCP/55779/2020

RESOLUTION AGAINST AGENDA NO-09

The project proponent informed the committee that the standard terms of reference dated 21/08/2020 has already been issued in this case through online portal. The project proponent vide letter dated 28/08/2020 also informed that the baseline data of the said project was generated during winter season from December, 2019 to February, 2020 on the basis of coverage factor analysis and requested to accept the baseline data for the preparation of EIA/EMP report.

The committee discussed the matter in light of MoEFCC, OM No. J-11013/41/2008-IA-II(I) (Part) dated 29/08/2017 and agreed with the request made by the project proponent regarding use of baseline data generated during winter season from December, 2019 to February, 2020 for the preparation of EIA/EMP report.

10. कॉमन बायो-मेडिकल वेस्ट फैकल्टी ऑपरेटर्स एसोसिएशन व 02 अन्य बनाम यूनियन ऑफ इण्डिया व 04 अन्य के सम्बन्ध में अण्डर सेक्रेटरी, इन्वायरमेंट डिपार्टमेंट के पत्र, दिनांक 13.03.2020 व 23.07.2020 पर समिति द्वारा विचार-विमर्श।

The committee went through the letter and found that the decision has already been taken by SEAC in its meeting dated 10/07/2020. Hence, the matter is disposed off.

11. Building Stone, Khanda, Gitti & Boulder at Araj No.-626, Sr. No.-16, Village-Bhuili-I, Chaunar, Mirzapur., M/s Pan Zurex LLP, (Leased Area-1.01 ha.), File No. 4751/Proposal No. SIA/UP/MIN/34472/2019

The committee noted that the matter was earlier discussed in 456th SEAC meeting dated 27/02/2020 and directed the project proponent to submit following information:

1. Lease period not mentioned in LoI. Corrected documents should be submitted.
2. Affidavit regarding distance from CEPI.

The project proponent submitted their replies vide letter dated 31/07/2020. A presentation was made by project proponent along with their consultant M/s ENV Development Assistance Systems (I) Pvt. Ltd. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for Building Stone, Khanda, Gitti & Boulder at Araj No.-626, Sr. No.-16, Village-Bhuili-I, Chaunar, Mirzapur, U.P, (Leased Area-1.01 ha.), M/s Pan Zurex LLP,
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter dated 17/07/2019.
3. The public hearing was organized on 20/11/2019. Final EIA report submitted by the project proponent on 25/01/2020.
4. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/34472/2019		
2. File No. allotted by SEIAA, UP	4751		
3. Name of Proponent	M/s Pan Zurex LLP Proprietor- Shri Vivek Maheshwari		
4. Full correspondence address of proponent and mobile no.	M/s Pan Zurex LLP Proprietor- Shri Vivek Maheshwari S/o Shri Govind Das Maheshwari & Ravindra Singh Jaiwar S/o Shri Jitendra Singh Jaiwar, R/o H.No. 51, Ward No. 21, Tilak Ward Mohta Plot, Tehsil- Pipariya, District- Hoshangabad, (M.P.) & H.No. 74, Ward No. 03, Rajiv Gandhi Ward, Tehsil- Pipariya, District- Hoshangabad, M.P.		
5. Name of Project	Building Stone, Khanda, Gitti & Boulder Mining		
6. Project location (Plot/Khasra/Gata No.)	Araj No. 626, Sl. No. 16		
7. Name of River	It is a stone excavation project.		
8. Name of Village	Bhuili-I		
9. Tehsil	Chunar		
10. District	Mirzapur		
11. Name of Minor Mineral	Building Stone, Khanda, Gitti & Boulder Mining		
12. Sanctioned Lease Area (in ha)	1.01 ha		
13. Mineable Area (in ha)	1.01 ha		
14. Zero level mRL	Project is free from any river, water reservoir or any of ponds etc.		
15. Max. & Min mrl within lease area	152 mRL and 146 mRL		
16. Pillar Coordinates (Verified by DMO)	Pillars	Latitude	Longitude
	Sanctioned Lease Area		
	A	25° 6'4.76"N	83° 2'55.35"E
	B	25° 6'3.02"N	83° 2'57.39"E
	C	25° 5'59.65"N	83° 2'53.85"E
	D	25° 6'1.22"N	83° 2'52.28"E
17. Total Geological Reserves	4,01,782.5 m ³		
18. Total Mineable Reserves in LOI	10,000 m ³ /year		
19. Total Proposed Production	10,000 m ³ /year (50,000 m ³ in 05 years)		
20. Proposed Production/year	10,000 m ³		
21. Sanctioned Period of Mine lease	Mining Plan submitted for EC for I st 5 years of sanctioned		

	mining lease of 20 years	
22. Production of mine/day	36.4 m ³ /day	
23. Method of Mining	Open Cast Semi-Mechanized	
24. No. of working days	275 days	
25. Working hours/day	8 hours	
26. No. of workers	Approximately 50-55 labours	
27. No. of vehicles movement/day	3 units	
28. Type of Land	Government land (Non – Agricultural, Rocky, Waste Upland.)	
29. Ultimate Depth of Mining	12 m	
30. Nearest metalled road from site	MDR(Chakia Link Road) : 0.30 km* (E)	
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking	0.56
	Suppression of dust	3.60
	Plantation	0.013
	Others (if any)	0.004
	Total	4.177 KLD
32. Name of QCI Accredited Consultant with QCI No and period of validity.	ENV Development Assistance Systems (I) Pvt. Ltd. NABET/EIA/1821/SA 102 and Valid till 25/02/2021.	
33. Any litigation pending against the project or land in any court	None	
34. Details of 500 m Cluster Map & certificate verified by Mining Officer	Cluster certificate issued by DMO Mirzapur Letter No.1134/Khanij/M-M-C/2018-19 dated 11/09/2019	
35. Details of Lease Area in approved DSR	Serial No. 58, Page No.- 12	
36. Proposed CER cost	2% of total project cost i.e. Rs.9,27,264/-	
37. Proposed EMP cost/ Total Project Cost	Rs 19,00,104/- & 4,63,62,303/-	
38. Length and Width of Haul Road	0.3 km Length and 6 m width	
39. No. of Trees to be Planted	25	

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

RESOLUTION AGAINST AGENDA NO-11

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

1. The Environmental clearance will be co-terminus with the mining lease period.

12. Building Stone, Gitti & Boulder at Araj No.-626, Sr. No.-17, at Village- Bhuili-II, Chaunar, Mirzapur, U.P., (Leased Area -0.909 ha.), M/s Euphoria Mines and Minerals. File No. 4760/Proposal No. SIA/UP/MIN/34463/2019

The committee noted that the matter was earlier discussed in 456th SEAC meeting dated 27/02/2020 and directed the project proponent to submit following information:

1. Lease period not mentioned in LoI. Corrected documents should be submitted.
2. Affidavit regarding distance from CEPI.

The project proponent submitted their replies vide letter dated 31/07/2020. A presentation was made by project proponent along with their consultant M/s ENV Development Assistance Systems (I) Pvt. Ltd. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for Building Stone, Gitti & Boulder at Araj No.-626, Sr. No.-17, at Village- Bhuili-II, Chaunar, Mirzapur, U.P., (Leased Area -0.909 ha.), M/s Euphoria Mines and Minerals.
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter dated 17/07/2019.
3. The public hearing was organized on 20/11/2019. Final EIA report submitted by the project proponent on 25/01/2020.
4. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/34463/2019		
2. File No. allotted by SEIAA, UP	4760		
3. Name of Proponent	M/s Euphoria Mines And Minerals Proprietor- Shri Chandra Shekhar Chaurasia		
4. Full correspondence address of proponent and mobile no.	M/s Euphoria Mines And Minerals Proprietor- Shri Chandra Shekhar Chaurasia S/o Shri Deen Dayal Chaurasia & Shri Bheem Singh Meena S/o Shri Sukhdev Meena, R/o Ward No. 1, Nougaoon Road Bus Stand Near Shelter Inn Hotel, District- Chhatarpur Bagauta, (M.P.) & R/o- Ward No. 1, Village – Nindher, District – Jaipur, (Rajasthan).		
5. Name of Project	Building Stone, Khanda, Gitti & Boulder Mining		
6. Project location (Plot/Khasra/Gata No.)	Araj No. 626, Sl. No. 17		
7. Name of River	It is a stone excavation project.		
8. Name of Village	Bhuili-II		
9. Tehsil	Chunar		
10. District	Mirzapur		
11. Name of Minor Mineral	Building Stone, Khanda, Gitti & Boulder Mining		
12. Sanctioned Lease Area (in ha)	0.909 ha		
13. Mineable Area (in ha)	0.909 ha		
14. Zero level mRL	Project is free from any river, water reservoir or any of ponds etc.		
15. Max. & Min mrl within lease area	152 mRL and 146 mRL		
16. Pillar Coordinates (Verified by DMO)	Pillars	Latitude	Longitude
	Sanctioned Lease Area		
	A	25° 5'59.65"N	83° 2'51.55"E
	B	25° 6'0.21"N	83° 2'53.00"E
	C	25° 5'58.13"N	83° 2'55.15"E
	D	25° 5'56.47"N	83° 2'55.49"E
	E	25° 5'56.37"N	83° 2'52.19"E
17. Total Geological Reserves	4,45,099.5 m ³		
18. Total Mineable Reserves in LOI	10,000 m ³ /year		
19. Total Proposed Production	10,000 m ³ /year (50,000 m ³ in 05 years)		
20. Proposed Production/year	10,000 m ³		
21. Sanctioned Period of Mine lease	20 years		
22. Production of mine/day	36.4 m ³ /day		
23. Method of Mining	Open Cast Semi-mechanized		
24. No. of working days	275 days		
25. Working hours/day	8 hours		
26. No. Of workers	Approximately 50-55 labours		
27. No. Of vehicles movement/day	1 units		
28. Type of Land	Government land (Non – Agricultural, Rocky, Waste Upland.)		
29. Ultimate Depth of Mining	12 m		
30. Nearest metallised road from site	MDR(Chakia Link Road) : 1.57 km* (E)		

31. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking	0.554
	Suppression of dust	18.85
	Plantation	0.012
	Others (if any)	-
	Total	19.41 KLD
32. Name of QCI Accredited Consultant with QCI No and period of validity.	ENV Development Assistance Systems (I) Pvt. Ltd. NABET/EIA/1821/SA 102 and Valid till 25/02/2021.	
33. Any litigation pending against the project or land in any court	None	
34. Details of 500 m Cluster Map & certificate verified by Mining Officer	Cluster certificate issued by DMO Mirzapur Letter No.1135/Khanij/M-M-C/2018-19 dated 11/09/2019	
35. Details of Lease Area in approved DSR	Serial No. 58, Page No.- 14	
36. Proposed CER cost	2% of total project cost i.e. Rs.9,62,366/-	
37. Proposed EMP cost/ Total Project Cost	Rs 39,90,381/- & 4,81,18,281/-	
38. Length and Width of Haul Road	1.57 km Length and 7 m width	
39. No. of Trees to be Planted	25	

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

RESOLUTION AGAINST AGENDA NO-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 to these minutes. The committee also stipulated following conditions:

1. The Environmental clearance will be co-terminus with the mining lease period.

(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

(Dr. Sarita Sinha)
Member

(Prof. S.K. Upadhyay,)
Member

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

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

A. General Conditions:

1. This environmental clearance is subject to allotment of mining lease in favour of project proponent by District Administration/Mining Department.
2. Forest clearance shall be taken by the proponent as necessary under law.
3. Any addition of the mining area, change of Khasra numbers, enhancement of capacity, change in mining technology, modernization and scope of working shall again required prior environmental clearance as per EIA notification, 2006.
4. No change in the calendar plan including excavation, quantum of mineral and waste shall be made.
5. Mining will be carried out as per the approved mining plan. In case of any violation of mining plan, the Environmental Clearance given by SEIAA will stand cancelled.
6. Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for RSPM, SPM, SO₂, NO_x monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. The monitored data for criteria pollutants shall be regularly up loaded on the company's website and also displayed at website.
7. Data on ambient air quality (RPM, SPM, SO₂, NO_x) should be regularly submitted to the Regional office, MoEF, GoI, Lucknow and the State Pollution Control Board / Central Pollution Control Board once in six months.
8. Ambient air quality at the boundary of the mine premises shall conform to the norms prescribed in MoEF notification no. GSR/826(E) dt. 16.11.09.
9. Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points shall be provided and properly maintained.
10. Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with ear plugs / muffs and health records of the workers shall be maintained.
11. Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluents.
12. Personnel working in areas shall be provided with protective respiratory devices like mask and they shall also be imparted adequate training and information on safety and health aspects.
13. Special measures shall be adopted to prevent the nearby settlements from the impacts of mining activities.
14. The transportation of the materials shall be limited to day hours time only.
15. Provision shall be made for the housing the labourers within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
16. A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.

17. The Project Proponent shall inform to the Regional Office, MoEF, GoI, Lucknow and State Pollution Control Board regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
18. The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the MoEF, GoI, Lucknow and State Pollution Control Board
19. The Regional Office, MoEF, GoI, Lucknow and State Pollution Control Board shall monitor compliance of the stipulated conditions. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan, Public hearing and other documents information should be given to Regional Office of the MoEF, GoI, Lucknow and State Pollution Control Board
20. A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the Local Bodies, Panchayat and Municipal Bodies as applicable in the matter.
21. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Level Environment Impact Assessment Authority (SEIAA).
22. The Project Proponent has to submit half yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copy to the SEIAA, U.P. on 1st June and 1st December of each calendar year.
23. The SEIAA may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
24. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

B. 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. This environmental clearance does not create or verify any claim of applicant on the proposed site/activity.
3. This environmental clearance shall be subject to valid lease in favour of project proponent for the proposed mining proposals. In case, the project proponent does not have a valid lease, this environmental clearance shall automatically become null and void.
4. The Environmental clearance will be co-terminus with the mining lease period.
5. Explosive cannot be stored on the site.
6. A comprehensive EIA including mining areas within 15 K.M. to assess impact of the mining activity on the surrounding area shall be undertaken and report submitted to this Authority within one year.
7. No two pits shall be simultaneously worked i.e. before the first is exhausted and reclamation work completed, no mineral bearing area shall be worked.
8. After exhausting the first mine pit and before starting mining operations in the next pit, reclamation and plantation works in the exhausted pit shall be completed so as to ensure that reclamation, forest cover and vegetation are visible during the first year of mining operations in the next pit. This process will follow till the last pit is exhausted. Adequate rehabilitation of mined pit shall be completed before any new ore bearing area is worked for expansion.
9. Adequate buffer zone shall be maintained between two consecutive mineral bearing deposits.
10. Sprinkling of water on haul roads to control dust will be ensured by the project proponent.
11. Green belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO / Agriculture Department. Herbs and shrubs shall also

form a part of afforestation programme besides tree plantation. The company shall involve local people for plantation programme. Details of year wise afforestation programme including rehabilitation of mined out area shall be submitted to the Regional Office, MoEF&CC, GoI, Lucknow every year.

12. Blast vibrations study shall be conducted and a observation report submitted to the Regional office, MoE&CC, GoI, Lucknow and UPPCB within six months. The report shall also include measures for prevention of blasting associated impact on nearby houses and agricultural fields.
13. Controlled blasting techniques with sequential blasting shall be adopted. The blasting shall be carried out in the day time only.
14. Appropriate arrangement for shelter and drinking water for the mining workers has to be ensured at the mining site.
15. Maintenance of village roads used for transportation of minerals are to be done by the company regularly at its own expenses. The roads shall be black topped.
16. Rain water harvesting shall be undertaken to recharge the ground water source.
17. Status of implementation shall be submitted to the Regional Office, MoEF&CC, GoI, Lucknow and UP Pollution Control Board within six months and thereafter every year from the next consequent year.
18. Measures for prevention and control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion shall be carried out with geo textile matting or other suitable material, and thick plantations of native trees and shrubs shall be carried out at the dump slopes. Dumps shall be protected by retaining walls.
19. Trenches / garland drains shall be constructed at foot of dumps and coco filters installed at regular intervals to arrest silt from being carried to water bodies. Adequate number of Check Dams and Gully Plugs shall be constructed across seasonal/perennial nallahs, if any flowing through the ML area and silts arrested. De- silting at regular intervals shall be carried out.
20. Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and for waste dump and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and de- silted at regular intervals.
21. Ground and surface water, if any in and near the core zone (within 5.0 km of the lease) shall be regularly monitored for contamination and depletion due to mining activity and records maintained. The monitoring data shall be submitted to the Regional Office, MoEF, GoI, Lucknow and U.P. Pollution Control Board regularly. Further, monitoring points shall be located between the mine and drainage in the direction of flow of ground water shall be set up and records maintained.
22. Fugitive dust generation shall be controlled. Fugitive dust emission shall be regularly monitored at locations of nearest human habitation (including schools and other public amenities located nearest to sources of dust generation as applicable) and records submitted to the Regional Office, MoEF&CC, GoI, Lucknow and U.P. Pollution Control Board regularly.
23. Baseline data for ambient air quality shall be generated and maintained and RSPM level in ambient air in the nearby human habitation (villages) shall also be monitored along with other parameters.
24. Corporate Environmental Responsibility (CER) shall be by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. Work to be executed with installation of five hand pumps for drinking water, solar light in villages of streets, construction of two numbers of toilets at the primary school with name displayed and address and details of beneficiary and gram pradhan along with phone number, photographs should be submitted to Directorate as well as to the District magistrate / Chief Development officers.
25. Transportation of minerals shall be done by covering the trucks with tarpaulin or other suitable mechanism so that no spillage of mineral/dust takes place.
26. Occupational health and safety measures for the workers including identification of work related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust etc. shall be carried out. Periodic monitoring for exposure to respirable mineral dust on the workers shall be

- conducted and records maintained including health records of the workers. Awareness programme for workers on impact of mining on their health and precautionary measures like use of personal equipments etc. shall be carried out periodically. Review of impact of various health measures shall be conducted followed by follow up action wherever required.
27. The project proponent will ensure for providing employment to local people as per requirement, necessary protection measures around the mine pit and waste dump and garland drain around the mine pit and waste dump.
 28. Top soil / solid waste shall be stacked properly with proper slope and adequate safeguards and shall be utilized for backfilling (wherever applicable) for reclamation and rehabilitation of mined out area. Top soil shall be separately stacked for utilization later for reclamation and shall not be stacked along with over burden.
 29. Over burden (OB) shall be stacked at earmarked dump site(s) only and shall not be kept active for long period. The maximum height of the dump shall not exceed 20 m, each stage shall preferably be of maximum 10 m and overall slope of the dump shall not exceed 35°. The OB dump shall be backfilled. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface run off.
 30. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self sustaining. Compliance status shall be submitted to the Regional Office, Ministry of Environment & Forests, GoI, Lucknow and U.P. Pollution Control Board on six monthly basis.
 31. Slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by Indian Bureau of Mines.
 32. Permission for abstraction of ground water shall be taken from Central Ground Water Board. Regular monitoring of ground and surface water sources for level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year i.e. pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the data thus collected shall be regularly sent to MoEF&CC, Central Ground Water Authority and Regional Director, Central Ground Water Board.
 33. The waste water from the mine shall be treated to conform to the prescribed standards before discharging in to the natural stream. The discharged water from the Tailing Dam, if any shall be regularly monitored and report submitted to the Regional Office, Ministry of Environment & Forests, GoI, Lucknow, Central Pollution Control Board and the State Pollution Control Board.
 34. Hydro geological study of the area shall be reviewed by the project proponent annually. In case adverse effect on ground water quality and quantity is observed mining shall be stopped and resumed only after mitigating steps to contain any adverse impact on ground water is implemented.
 35. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of minerals and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. The vehicles transporting minerals shall be covered with a tarpaulin or other suitable enclosures so that no dust particles / fine matters escape during the course of transportation. No overloading of minerals for transportation shall be committed. The trucks transporting minerals shall not pass through wild life sanctuary, if any in the study area.
 36. Prior permission from the Competent Authority shall be obtained for extraction of ground water, if any.
 37. A final mine closure plan, along with details of Corpus Fund, shall be submitted to the Regional office, Ministry of Environment & Forests, GoI, Lucknow and U.P. Pollution Control Board 5 years in advance of final mine closure for approval.
 38. Project Proponent shall explore the possibility of using solar energy where ever possible.
 39. Commitment towards CER has to be followed strictly.
 40. Regular health check-up record of the mine workers has to be maintained at site in a proper register. It should be made available for inspection whenever asked.
 41. Project Proponent has to strictly follow the direction/guidelines issued by MoEF&CC, CPCB and other Govt. Agencies from time to time.
 42. The blasting will be done only after getting the permission from the Mining Department.