Minutes of 457th SEAC Meeting Dated 28/02/2020

The 457th meeting of SEAC was held in Directorate of Environment, U.P. on 286/02/2020 following members were present in the SEAC:

1.	Dr. (Prof.) S.N. Singh,	Chairman
2.	Dr. Sarita Sinha,	Member
3.	Dr. Virendra Misra,	Member
4.	Dr. Pramod Kumar Mishra,	Member
5.	Dr. Ranjeet Kumar Dalela,	Member
6.	Prof. S.K. Upadhyay,	Member
7.	Shri Meraj Uddin,	Member

The Chairman welcomed the members to the 457th SEAC meeting.
The SEAC unanimously took following decisions on the agenda points discussed:

1. Integrated Paint Plant at Plot No.- B4 & B5 at Sandila Industrial Area Phase-I, District- Hardoi, U.P., M/s Berger Paints India Limited. File No. 4604/Proposal No. SIA/UP/IND2/30336/2018

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

1- The environmental clearance is sought for Integrated Paint Plant at Plot No.- B4 & B5 at Sandila Industrial Area Phase-I, District- Hardoi, U.P., M/s Berger Paints India Limited.
2- Terms of reference in the matter were issued vide SEIAA letter dated 03/05/2019 and online EIA report was submitted by the project proponent on 14/10/2019.
3- Proposed project is having a plot area of 145407 Sqm. Proposed green area will be 33% i.e. approx. 48010 sqm within the industry premises.
4- Salient features of the project:

S. No.	Item	Details	
1	Location	Village	Sandila Industrial area
		Taluk	Sandila
		District	Hardoi
		State	Uttar Pradesh
		Project site falls under Notified Sandila Industrial Area	
3	Total Area of Plot	Land Area : 35.91 Acre	
4	Greenbelt Area	480107 m^2 (33% of total plot area)	
5	Proposed production (Name and Capacity)	Water based paints 1,32,000 KL/MT/Annum Solvent based paints 69,000 KL/Annum Powder Putty 60,000 MT/Annum Emulsion for Water Base Paints 60,000 MT/Annum Resin for Liquid Solvent Base Paints 48,000 MT/Annum	
6	Project Cost	INR ~400 Crore	

7	Employment with Full capacity Operation after expansion	Operation phase	350
		Construction phase	1000-1500
8	Power Supply (Grid and Standby)	Supply: Uttar Pradesh Power Corporation Ltd. (UPPCL)	
		Peak Demand: ~ 5140 KVA	
9	Fuel	HSD, Bio-Briquette / Briquette Pallet	
10	Water Supply	Source: Ground water	
11	Water Requirement	719 KLD	
12	Waste Water Generation	Total: 113 KLD Domestic: 5 KLD Industrial: 108KLD	
13	Wastewater Management / Disposal	Domestic wastewater will be sent to STP for treatment and treated water will be used for gardening/toilet flushing	
		Industrial wastewater 108 KLD to ETP	
14	Solid / Hazardous Waste Management	Non Hazardous solid waste: Recyclable waste will be sold to scrap vendor, while biodegradable – canteen waste & STP sludge will be used as Manure Other industrial wastes like process waste/ residue/ paint sludge will be stored in designated place in factory premises and disposed off through TSDF as a land filling.	
15	Proposed Air Pollution Control Equipments	Adequate stack height will be provided for all flue gas stacks in order to disperse the flue gases effectively. Stack emission quality will be maintained as per the UPPCB/CPCB norms. Process vents- closed loop operations in Emulsion Manufacturing plant Pulse jet bag filters will be attached to raw material storage silos. Fume Extraction system with scrubber	

5- Land use details:

S. No.	Title	Area, m^2	% of total Area
1	Process area	16950	11.65
2	Storage area	12884	8.86
3	Waste water treatment plant (ETP & STP)	920	0.63
4	Utilities	17561.25	12.07
5	Admin Building, security cabin	1250	0.85
6	Greenbelt area	48010	33.05
7	Open space	47831.75	32.89
Total		145407	100.00

6- The major raw materials required for manufacture of Paint include the following:

- Extender and powder Raw Material, Pigments, Additives, Soft water, DM water, Solvents, Vegetable Oil, Monomers.

7- Hazardous waste details:

Sr. No.	Hazardous waste category	Hazardous Waste type / description	Quantity of Waste (MTPA)	Mode of Treatment and Disposal
1	5.1	Used oil / Spent Oil	2.5	Recycling through authorised recyclers
2	21.2	Spent solvent	115	In house recycling/ disposal to CHWTSDF
3	20.3, 21.1	Paint waste/residue/ sludge	25	Disposal to CHWTSDF
4	21.1	Process waste (Sweeping dust)	2.5	Disposal to CHWTSDF
5	33.1	Discarded paint & chemical containers/drums/barrels	10	recycling through authorised recyclers
6	35.3	ETP Sludge	50	Disposal to CHWTSDF

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

RESOLUTION AGAINST AGENDA NO-01

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

I. **Statutory compliance:**

1. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
2. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
3. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule species in the study area).
4. The project proponent shall obtain Consent to Establish/ Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
5. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
6. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, I 989 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 monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.
3. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2s in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
4. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and /or the NAAQS. 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.
5. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
6. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July , 2010 and amended from time to time shall be followed.
7. 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.

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

1. The project proponent shall provide 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)
2. As already committed by the project proponent, 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. 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.
4. 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.
5. 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.
6. 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.
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.

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 nighttime

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

VII. **Green Belt:**

1. The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.

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 unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
3. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
4. 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.
5. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cookin g, 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.
6. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
7. 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 approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements /deviation /violation of the environmental / forest /wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation/ violation of the environmental/ forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry /Regional Office along with the Six Monthly Compliance Report.
5. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X. **Miscellaneous:**

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

2. Expansion of Kundanganj Cement Grinding Unit Production Capacity from 3 MTPA to 4 MTPA AT within the existing plant premises at Village-Kundanganj, Raebareli, U.P., M/s RCCPL Pvt. Ltd. File No. 5420/4859/Proposal No. SIA/UP/IND/50000/2013

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

1. The environmental clearance is sought for Expansion of Kundanganj Cement Grinding Unit Production Capacity from 3 MTPA to 4 MTPA AT within the existing plant premises at Village-Kundanganj, Raebareli, U.P., M/s RCCPL Pvt. Ltd.
2. Earlier EC granted for production capacity of 2.0 MTPA vide Letter No. 247/SEAC/339/2010/AA(S) dated 31.10.2011. Subsequently capacity was expanded from 2 MTPA to 3 MTPA and EC was granted vide letter No.980/Parya/SEA/1543/2013/JDCA(S) dated 06.08.2013.
3. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 323/ Parya/ SEAC/4859/2018 dated 02/11/2019.
4. Certified compliance report for the earlier environmental clearance of cement grinding unit submitted by the project proponent vide Letter No: VII/Env/SCL-UP/343/2019/545 dated 22.10.2019 issued by MOEF&CC, Regional Office, Central Region, Lucknow.
5. Land break up details:

Sr. No	Details	Area in ha
1	Existing	22
2	Green belt/ Green cover	12
	Total	34.0

6. Raw material details:

Sr. No	Material	Source Category	From	Distance (km)	Mode	Annual Volume for Expansion Capacity (Million tonnes)	Annual Volume Post Expansion (Million tonnes)
1	Clinker	Captive	Maihar	350	Rail/Road	0.98	2.4
			Satna	310	Rail/ Road		
			Chanderiya	900	Rail/ Road		
2	Fly ash	Purchase	Rosa TPS	210	Rail/Road	0.56	1.40
			NTPC Unchahar	60	Rail/Road		
			JP Bara	220	Rail/Road		
			JP Renusagar	420	Rail/Road		
3	Gypsum	Purchase	Rajasthan/ Jammu and others	850	Rail/Road	0.06	0.20

7. Hazardous waste generation details:

Sr. No.	Type of Waste Generation	Generation Quantity	Method of Disposal
1	Used oil	5 KL/ Annum	Used internally for lubrication of scraper chains and remaining will be disposed to PCB approved agencies
2	Empty barrels / containers / liners contaminated with hazardous chemicals/wastes (Category 33.1 as per HWM Rule 2016)	Will be given to PCB approved agencies / TSDF	

8. Additional water requirement for the expansion has been estimated to be about 175 m3/ day. Water demand is being met from existing ground water sources.

9. The power demand for the proposed expansion estimated about 7 MW and will be met from the state grid of Uttar Pradesh Rajya Vidyut Utpadhan Nigam (UPRVUN). DG set of 500 KVA is used as emergency back-up.
10. The project proposal falls under category–3(b) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-02

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

I. Statutory compliance
   i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
   ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
   iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area).
   iv. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the State pollution Control Board.
   v. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
   vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

II. Air quality monitoring and preservation
   i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
   ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.
   iii. The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM_{10} and PM_{2}.s in reference to PM emission, SO_2 and NOx in reference to SO_2 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).
   iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of

air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six- monthly monitoring report.

v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
vi. The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags.
vii. Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.
viii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
ix. Ensure covered transportation and conveying of raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash.
x. Provide wind shelter fence and chemical spraying on the raw material stock piles.
xi. Have separate truck parking area and monitor vehicular emissions at regular interval.
xii. Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land by the use of covered conveyor belts/railways as a mode of transport.
xiii. Ventilation system shall be designed for adequate air changes as per ACGIH document for all tunnels, motor houses, cement bagging plants

III. Water quality monitoring and preservation:

i. The project proponent shall install effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. (Case to case basis small plants: Manual; Large plants: Continuous).
ii. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers /sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
iii. The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
iv. Adhere to Zero Liquid Discharge.
v. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
vi. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off
vii. The project proponent shall practice rainwater harvesting to maximum possible extent.
viii. Water meters shall be provided at the inlet to all unit processes in the cement plant.
ix. The project proponent shall make efforts to minimize water consumption in the cement plant complex by segregation of used water, practicing cascade use and by recycling treated water.

IV. Noise monitoring and prevention

i. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules , 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

V. Energy Conservation measures
i. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
ii. Provide the project proponent for LED lights in their offices and residential areas.
iii. Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.

VI. Waste management
i. The waste oil, grease and other hazardous shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
ii. Kitchen waste shall be composted or converted to biogas for further use. (to be decided on case to case basis depending on type and size of plant).

VII. Green Belt
i. Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant
ii. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.

VIII. Public hearing and Human health issues
i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
ii. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
iii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

IX. Corporate Environment Responsibility
i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
ii. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements /deviation/violation of the environmental / forest /wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and shareholders I stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

iii. A separate Environmental Cell both at the project and company head quarter level , with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.

iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry /Regional Office along with the Six Monthly Compliance Report.

v. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

vi. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the cement plants shall be implemented.

X. Miscellaneous

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

ii. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.

iii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.

iv. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.

v. The project proponent shall monitor the criteria pollutants level namely; PM_{10}, SO_2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.

vi. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.

vii. The project proponent shall submit the environmental statement for each financial year in Form-V to the State Pollution Control Board as prescribed under the Environment (Protection) Rules , 1986, as amended subsequently and put on the website of the company.

viii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.

ix. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.

x. ii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP repo rt, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.

xi. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).

xii. Concealing factual data or submission of false /fabricated data may result in revocation of

this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

xiii. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

xiv. The Ministry reserves the right to stipulate additional conditions if found necessary.

xv. The Company in a time bound manner shall implement these conditions.

xvi. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring g reports.

xvii. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

xviii. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

3. "Hi-TechTownship" at Devrakh Upperhar, Devrakh Kacchahar, Chak-Vishonath, Chak-Teju Dishi, Mavai-Upperhar, Madhanwan Upperhar, Lavayan Kalan, Allahabad., M/s Pancham Realcon Pvt. Ltd. File No. 5423/4613/Proposal No. SIA/UP/NCP/50063/2018

The project proponent informed that earlier the project had obtained environment clearance from SEIAA, Uttar Pradesh vide letter no 226/SEAC/358/2009/TA(j) on 10th Feb 2010 for the plot area of 1535.12 Acres and built-up area of 85,37,950.52 sqm. Accordingly, the construction for DA 1 having plot area 726.60 acres was started. The construction was stopped by the Hon'ble High court of Allahabad vide order dated 22/04/2011 Passed in PIL No. 4003 of 2006 due to HFL of Ganga River. Due to this, the construction of the project could not be completed within the time frame. The Hon'ble High Court neither barred nor restricted any construction beyond 500 m of HFL. Therefore after demarcation of 500 m from the HFL, revised layout plan was approved with HFL and accordingly EIA has been submitted for EC. Hence, application for Fresh Environment clearance was submitted on 24th Dec 2018. For which ToR letter on 03rd May 2019 vide letter no. 22/Parya/SEAC/4613/2018 has been issued by SEIAA, Uttar Pradesh.

The project proponent also submitted an affidavit dated 28/02/2020 and committed that company is developing the hi-tech township beyond 500 meter of the high flood level in strict compliance of the order dated 22/04/2011 passed by Hon'ble High Court of Allahabad in PIL No. 4003 of 2016.

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

1. The environmental clearance is sought for "Hi-TechTownship" at Devrakh Upperhar, Devrakh Kacchahar, Chak-Vishonath, Chak-Teju Dishi, Mavai-Upperhar, Madhanwan Upperhar, Lavayan Kalan, Allahabad., M/s Pancham Realcon Pvt. Ltd.
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 22/Parya/SEAC/4613/2018 dated 03/05/2019.
3. The project (207.43 Acres) will have 450 numbers of plots and 1409 numbers dwelling units.
4. Total population will be 34469 persons (13120 residential and 21349 floating).

5. Land use details:

S. No.	Land use Particulars	Area (in Acres)	% of the total area
1.	Residential	577.97	37.65
	Commercial	102.09	6.65
	Public/ semi Public	133.56	8.70
2.	Industrial	124.96	8.14
3.	Recreational	54.60	3.56
4.	Green Cover	239.44	15.60
5.	Roads	302.51	19.70
Total		1535.12	100.00

6. Salient features of the project:

Plot Area Related Information			
S. No.	Land use Particulars	Area (in Acres)	% of the total area
1.	Residential	577.97	37.65
	Commercial	102.09	6.65
	Public/ semi Public	133.56	8.70
2.	Industrial	124.96	8.14
3.	Recreational	54.60	3.56
4.	Green Cover	239.44	15.60
5.	Roads	302.51	19.70
Total		1535.12	100.00
DA 1 Plot Area Details			
1.	Residential	289.77	40
2.	Commercial	43.05	6
3.	PSP	57.11	8
4.	Industrial	57.51	8
5.	Recreational	00	0
6.	Green Coverage	108.36	15
7.	Road	170.80	23
Total Plot Area		726.60	100%
Plot Area Related Information			
S. No.	Land use Particulars	Area (in Acres)	% of the total area
Area Details outside of HFL of Ganga River			
1	Residential	57.9	27.91
2	Commercial	6.81	3.28
3	PSP	11.13	5.37
4	Industrial	57.51	27.73
5	Recreational	0	0
6	Green COVER	37.69	18.17
7	Road	36.38	17.54
	Total	207.43	100
Water Calculation			
Source of water		Groundwater	
Total Water Requirement		2060.52	kld
Total Fresh Water Requirement		1264.94	kld
Total Treated Water Requirement		769.29	kld
Sewage Generated		1653.66	kld
STP Capacity		1980	kld
Treated Waste Water Generated		1323	kld
Surplus Treated Water to be discharged in municipal sewer		6527	kld
Power			
Source of Power		Uttar Pradesh Power Corporation Ltd (UPPCL)	

Power Requirement	18.40	MW
DG Backup	250	kVA
DG Set configuration	1 No x 250 kVA	Nos
Waste Generation		
Total Waste Generation	8.99	TPD
Organic Waste Generation	5.42	TPD
E- Waste Generation	44.9	kg/Day
Sludge Generation	116	kg/Day
Hazardous Waste Generation (DG Waste Oil)	0.15	Lts/ Day

7. Water calculation details:

	Population/ Area/Unit	Rate In Lts	Total Qty in KL
Residential			
Domestic	13120	65	852.80
Flushing	13120	21	275.52
Non Residential (Working)			
Domestic	15270	25	381.75
Flushing	15270	20	305.40
Visitors			
Domestic	6079	5	30.40
Flushing	6079	10	60.79
Total population	34469		
	Area in sqm		
Gardening	152526	1	152.53
	KVA		
DG cooling make-up	250	0.9	1.35
Total Water Requirement			2060.52

Head	Source	Quantity
Fresh Water Requirement	Groundwater	1264.94 kld
Treated Water Requirement	On site STP treated water	796.29 kld

- Estimated Sewage Generation from the project: 1654 kld
- Generated Sewage will be treated in on site STP: 1980 kld
- Proposed treatment methodology : MBBR
- Treatment up to tertiary level.
- Treated waste water will be reused for Flushing, DG Set Cooling Makeup and Landscaping.
- Excess treated waste water will be sold for Construction purposes and landscaping/ agriculture.
- STP shall have power back-up for uninterrupted operation during power failure.

8. Solid waste details:

Waste Generation	8.99	TPD
Organic Waste Generation	5.42	TPD
E Waste Generation	44.9	kg/Day
Sludge Generation	116	kg/Day
Hazardous Waste Generation (DG Waste Oil)	0.15	Lts/ Day

9. Power requirement details:
   - Power demand for entire project 18.40 MW.
   - Source of Power Supply: Uttar Pradesh Power Corporation Ltd (UPPCL).
   - A total capacity of 250 kVA (1 x 250) DG set will be provided as backup power supply.
10. The project proposal falls under category–8(b) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-03

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

1. Solar energy to be used alternatives 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.

4. Proposed 60 KLD Molasses based Distillery along with 2.2. MW Co-generation Power Plant within existing premises of Sugar at Village-Gangadharpur, Tehsil- Chandausi, District-Sambhal, U.P., M/s Venus Sugar Ltd. File No. 5429/Proposal No. SIA/UP/IND2/50062/2020

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 Proposed 60 KLD Molasses based Distillery along with 2.2. MW Co-generation Power Plant within existing premises of Sugar at Village-Gangadharpur, Tehsil-Chandausi, District- Sambhal, U.P., M/s Venus Sugar Ltd.
2. Terms of reference in the matter were issued by MoEF&CC, Govt. of India vide letter no. IA-J-11011/147/2019-IA-II(I), dated 16th April 2019.
3. Public hearing was organized on 08/11/2019. Final EIA report submitted by the project proponent on 23/01/2020.
4. Salient features of the project:

Sr. No.	Attributes	Proposed Distillery Unit
1	Proposed capacity of Plant	60 KLD (Molasses Based)
2	Co gen Power	2.2 MW
3	Total project area	8.760 Hectare
4	Total project cost	10875.00 Lakhs
5	No of working days	360 Days /Annum
6	Raw material and its Quantity	287 MT/ day (103320 MT/Annum)
7	Power Requirement	2255 KWH Source – Co Generation Power Plant
8	Steam Requirement	16.2 TPH
9	Man Power Requirement	Directly Employment : 124 nos. Indirect employment : 120 nos.
10	Fuel Requirement	SLOP : 148 KLD along with Bagasse : 128 TPD
11	Boiler Detail	Proposed : 01 no of 23 TPH (Slop fired boiler)
Sr. No.	Attributes	Proposed Distillery Unit
12	Fresh Water Requirement	Total Fresh Water requirement : 360 KLD Industrial Use: 340 KLD (@ 5.66 KL/KL of Product) Domestic Use: 20 KLD Source – Ground water through Tube well (02 No Proposed)
13	Waste Water Generation	Spent wash : 372 (@ 6.2 KL/KL of Product) Treatment : Concentration and Incineration (Zero Liquid Discharge)
14	Treatment Technology	To ensure Zero Discharge effluent industry, Industry has decided to treat Spent wash through Multi effect evaporator then concentrate from MEE will be incinerated in SLOP fired Boiler of capacity 23 TPH (01 No).
15	Air Pollution Control Equipment	Bag Filter will be installed with 23 TPH boiler .

5. Land use details:

Sr No	Land use	Area (sqm)	Area in %
1	Roof Top	18400.2	21
2	Green Belt	28914.60	33
3	Road and Paved	14895.4	17
4	Open area	25409.8	29
	Grand Total	87620	100

6. Raw material required with daily consumption and transport:

	Particular	Daily Requirements	Source of raw material & Mode of Transportation

1.	Molasses	287 MT/ day	Adjacent sugar mills/ By road
2.	Others Chemicals Required		
	Sulphuric Acid	80.0 kg/Day	30.0 days storage will be provided and raw material will be transported through Tankers. .
	Nutrients (DAP/Fertilizers)	150.0 Kg/Day	
	Antifoam Agent	13.0 Kg/Day	

7. Plant and machinery:

- 60 KLPD Ethanol plant with integrated evaporator and alcohol storage system, MEE Capacity : 500 M3/Day
- 23 TPH concentrated spent wash (slop) fired incineration boiler including air pollution control system (Bag Filter)
- Ash handling system,
- Fuel handling system
- Turbo generator & condenser with arrangement for the export of surplus power
- Power distribution system
- Cooling towers
- Plant piping, valves etc
- Pumps with drive motors
- ETP /Condensate treatment system
- Distributed control system
- Fire fighting system etc.
- Molasses storage tanks
- Product storage tanks
- Weighbridges
- RCC Chimney

8. Water requirement details:

Particular	Quantity	Remarks
Total Water Requirement	1324.0 KLD	Maximum fresh water requirement of water in day will be 360 KLD.
Total treated and process water for recycling	964.0 KLD	
Fresh Water Requirement	340.0 KLD	
Domestic water requirement	20.0 KLD	
Source of Water	Ground Water through tube well	Application Is Under Process
Industrial Waste Water Generation (Spent wash)	372.0 KLD.	Spent wash will be concentrated in MEE and concentrated Slop will be used as fuel along with bagasse in 23 TPH boiler.
Domestic Waste Water Generation	12.0 KLD	Domestic waste water will be disposed through septic tank and Soak pit
Other Effluent Generation	692 KLD	Other effluent includes MEE Condensate, Spent Lees, Floor Washing , Blowdowns from CT and Boiler etc. will be treated in Condensate Polishing unit (CPU) .

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

RESOLUTION AGAINST AGENDA NO-04

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

I. Statutory compliance:

1. 45 days monitoring report of the area for air quality, water quality, Noise level. Besides flora & fauna should be examined twice a week and be submitted within 60 days for a record.

2. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
3. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
4. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six - monthly compliance report. (in case of the presence of schedule-I species in the study area).
5. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
6. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
7. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules , 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989

II. Air quality monitoring and preservation:

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

dust pollution and other fugitive emissions.

III. Water quality monitoring and preservation:

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

IV. Noise monitoring and prevention:

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

V. Energy Conservation measures:

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

VI. Waste management:

1. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
2. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
3. The company shall undertake waste minimization measures as below :-

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

VII. Green Belt:

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

VIII. Safety, Public hearing and Human health issues:

1. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
3. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
4. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
5. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
6. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished produc ts, 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 approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements /deviation/violation of the environmental / forest /wildli fe 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 lev el, 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, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
5. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
6. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
7. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
8. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
9. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
10. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
11. Concealing factual data or submission of false /fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
12. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
13. The Ministry reserves the right to stipulate additional conditions if found necessary.
14. The Company in a time bound manner shall implement these conditions.
15. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
16. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
17. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

5. Expansion of sugar mill cane crushing capacity from 6250 TCD to 8000 TCD along with 22 MW Co-gen power within existing premises at Shamli, Tehsil & District- Shamli., M/s Upper Doab Sugar Mills. File No. 5435/4752/Proposal No. SIA/UP/IND2/50139/2005

A presentation was made by the 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 sugar mill cane crushing capacity from 6250 TCD to 8000 TCD along with 22 MW Co-gen power within existing premises at Shamli, Tehsil & District- Shamli., M/s Upper Doab Sugar Mills.
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 144/Parya/SEAC/4752/2018 dated 03/07/2019.
3. Public hearing was conducted on 12/12/2019 and final EIA report submitted on 24/01/2020.
4. Salient features of the project:

Sr No	Particulars	Details		
		Existing	Proposed expansion	After Expansion
1.	Nature and Size of Project	6250 TCD	1750 TCD	8000 TCD
2.	Category of the Project	As per EIA Notification dated 14th Sep., 2006 as amended from time to time; the project falls in Category 'B', Project or Activity - 5(J).		
3.	Locations Details			
	Village/City	Shamli		
	Block	Shamli		
	Tehsil	Shamli		
	District	Shamli		
	State	Uttar Pradesh		
	Latitude	29˚26'32.57" N		
	Longitude	77˚18'51.15" E		
	Toposheet No	53G/ 2, 53G/3, 53G/6 & 53G/7		
4.	Area Details			
	Total Plant Area	Existing Industry: 26.66 Hectare Proposed Expansion: Nil No change in the area of industry, expansion will be done within existing premises.		
	Greenbelt / Plantation Area	~33% of the project area has been provided as green belt. Same will be maintained after expansion also.		
	Environmental Setting Details (with approximate aerial distance & direction from plant site)			
5.	Nearest Village	Tajpur Simbhalka – 1.31 Km in South East direction, Lilon – 2.40 km in South West direction, Mundet Kalan – 2.84 Km in North West direction.		
	Nearest Town & City	Shamli– 1.0 Km in North West, Kairana – 10.74 km in South West Kandhla– 12.69 km in South.		
	Nearest National Highway / State Highway	SH-82, (Adjacent to the Mill in the South direction) SH 57 - (1.07 km in West direction) SH-12-(1.31 km in the West direction)		
	Nearest Railway station	Shamli Railway Station (0.33 km in North East direction) Balwa Railway Station (3.99 km in South direction)		
	Nearest Airport	Indira Gandhi International Airport (~ 99.09 km in South direction)		
	National Parks, Reserved Forests (RF)/ Protected Forests (PF), Wildlife Sanctuaries, Biosphere	No National Park, Wild Life Sanctuary, Biosphere Reserve, Tiger / Elephant Reserve, Wildlife Corridors		

	Reserves, Tiger/ Elephant Reserves, Wildlife Corridors etc. within 10 km radius	Protected Forests (PF) etc. falls within 10 km radius of the plant site.		
6.	Cost Details			
	Total Project Cost	2289.76 Lakhs		
	Cost for Environment Management Plan	Capital Cost: Rs 228.0 Lakh or 2.28 Crores Recurring cost: Rs 50.0 Lakhs /Annum		
7.	Basic Requirements for the project			
	Water Requirement	Existing	Proposed expansion	After Proposed expansion
	Industrial (Fresh Water)	1025 KLD (0.16 KL/T of cane crush)	287 KLD	1312 KLD (@ 0.16 KL/T of cane crush)
	Domestic (Fresh Water)	60 KLD	-	-
	Total Fresh Water requirement	1085 KLD	287 KLD	1372 KLD
	Source of Fresh Water	Ground water through Tube / Bore well.		
	Power Requirement	Existing power requirement – 9.25 MW, After proposed expansion: 10.40 MW, Surplus power will be supplied to grid.		
	Man Power Requirement	After expansion direct employment: 250 persons Indirect employment: 150 persons		
8.	Product Details	Existing	After Proposed Expansion	
a	Sugar	625.0 MT/Day	800.0 MT/Day	
b	Molasses (Byproduct)	282.0 MT/Day	360.0 MT/Day	
c	Bagasse (By product)	1875.0 MT/Day	2400.0 MT/Day	
d	Press Mud (By Product)	250.0 MT/Day	320.0 MT/Day	
e	Co gen Power	22.0 MW		
9.	Fuel and Its Quantity	Existing: Bagasse – 1656 MT/Day After proposed expansion: Bagasse: 1956 MT/Day		
10.	Steam requirement	Existing:138 TPH After proposed expansion : 159 TPH		
11.	Raw Material			
		Existing	Proposed expansion	After proposed expansion
	Sugar Cane Crushing	6250 TCD	1750 TCD	8000 TCD

5. Land use details:

S.No	Land Use	Area in Sqm	Area in Percentage
1	Roof Top (Building , Covered Shed)	63984	24 %
2	Green Belt	87978	33 %
3	Road and Paved	45322	17 %
4	Open Area	69316	26 %
Grand Total		266600	100 %

6. Raw material details:

S.N.	Particulars	Existing	Proposed Expansion	Total after expansion	Source of the raw material & mode of transportations
1.	Sugar Cane	6250 T	1750 T	8000 T	From reserve area by tractor trolley/trucks
b. Chemicals					
2.	Lime	15.0 T	4.0 T	19.0 T	Will be sourced from Lime Stone mines and transported by trucks
3.	Sulphur	6.5 T	1.65 T	8.15 T	Will be sourced from local market and transported by trucks
4.	Caustic Soda	0.31 T	0.08 T	0.39 T	Will be purchased from Caustic Soda Manufacturers and will be

					transported by trucks
5.	Common salt	1.25 T	0.85 T	2.1 T	Will be sourced from Open Market.

7. Water calculation details:

Particular	Existing capacity	Proposed expansion	After proposed expansion
Total Water Requirement	Industrial : 1025 KLD (0.16 KL/T of cane crush) Domestic : 60.0 KLD	Industrial : 287 KLD Domestic : Nil	Industrial : 1312 KLD (@ 0.16 KL/T of cane crush) Domestic: 60.0 KLDP (No change)
Source of Water	Ground Water through Tube Well (Application submitted in CGWA for Renewal)		
Waste Water Generation	1600 KLD	-	Total after proposed expansion : 1600 KLD
Waste water treatment	Existing treatment Strategy : Effluent is being treated through Activated sludge process. ETP comprises of Bar Screen, Oil & Grease trap, chemical Mixing, Equalization, Primary Clarifier, Aeration, Secondary Clarifier, MGF, ACF and Sludge Drying beds. Treatment Strategy after expansion : Effluent will be treated through same treatment strategy as per existing and adequate modification will be same.		

8. Solid waste details:

DOMESTIC SOLID WASTE				
Category	Type of Waste	Colour of Bins	Disposal Method	Total Waste (Kg/day)
Bio Degradable	Organic Waste	Green	Organic waste converter within the project site	25.0
Non-Biodegradable	Recyclable Waste	White	Authorized Recycler	11.5
Non-Biodegradable	Inert Waste	Black	Nearby Landfill Site	11.0
	Total			62.5 Kg/day

9. Process waste details:

Process Waste			
Solid waste	Existing Capacity	Proposed Expansion	Method of disposal
Boiler ash	24.84 MT/Day	29.34 MT/Day	Boiler ash will be supplied to the brick manufacturer.
ETP Sludge	1.08 MT/Day	1.38 MT/Day	ETP Sludge will be given to the farmers.
Press Mud	250.0 MT/Day	320.0 MT/Day	Press mud will be given to the farmers
Oil & Grease from ETP	17.22 kg/Day	22.22 kg/Day	Will be mixed with bagasse and burn in boiler. Hazardous authorisation from UPPCB will be obtained.

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

RESOLUTION AGAINST AGENDA NO-05

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

I. Statutory compliance:

I. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
II. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
III. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report

shall be furnished along with the six - monthly compliance report. (in case of the presence of schedule-I species in the study area).

IV. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.

V. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

VI. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989

II. Air quality monitoring and preservation:

I. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.

II. The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.s 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 12 0° each), covering upwind and downwind direct ions. (case to case basis small plants: Manual; Large plants: Continuous).

III. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six- monthly monitoring report.

IV. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.

V. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.

VI. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.

VII. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.

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

III. Water quality monitoring and preservation

I. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD) and connected to SPCB and CPCB online servers.

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

IV. Noise monitoring and prevention

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

V. Energy Conservation measures

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

VI. Waste management

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

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

VII. Green Belt

I. Green belt shall be developed in an area equal to 33% of the plant area with a native tree

species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.

VIII. Safety, Public hearing and Human health issues

I. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.

II. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.

III. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.

IV. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

V. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

VI. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places

IX. Corporate Environment Responsibility

I. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.

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

III. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive , who will directly to the head of the organization.

IV. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.

V. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X. Miscellaneous

I. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.

II. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.

III. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.

IV. The project proponent shall monitor the criteria pollutants level namely; PM_{10}, SO_2, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.

V. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.

VI. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.

VII. The project proponent shall inform the Regional Office as well as the Minis try, the date of financial closure and final approval of the project by the concerned authorities , commencing the land development work and start of production operation by the project.

VIII. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.

IX. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.

X. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).

XI. Concealing factual data or submission of false /fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

XII. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

XIII. The Ministry reserves the right to stipulate additional conditions if found necessary.

XIV. The Company in a time bound manner shall implement these conditions.

XV. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

XVI. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution)

Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

XVII. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

6. Proposed Industrial Building Plot No.-01, Sector-156, Noida. District- Gautam Buddha Nagar,U.P., M/s Surbhi Tele- link Pvt. Ltd. File No. 5397/Proposal No. SIA/UP/MIS/130204/2019

RESOLUTION AGAINST AGENDA NO-06

The committee observed that since the proposed project falls in CEPI/SCEPI area. The SEAC gone through the provision of the mechanism framed regarding compliance of Hon'ble NGT order in O.A. No. 1038/2018 dated 23/08/2019 by MoEF&CC, Govt. of India vide letter dated 24/10/2019 and observed that category B-2 projects shall be considered at state level stipulating EC condition as applicable for the category "B-1" projects/activities. Hence, the project proponent shall be apply under B-1 category through online portal. The committee also directed to close the file no. 5397.

7. Revision & Expansion of Group Housing Project Plot No.-3/SP-03, Sector-03, Siddharth Vihar, District- Ghaziabad, U.P. File No. 5419/Proposal No. SIA/UP/MIS/134717/2020

RESOLUTION AGAINST AGENDA NO-07

The committee observed that since the proposed project falls in CEPI/SCEPI area. The SEAC gone through the provision of the mechanism framed regarding compliance of Hon'ble NGT order in O.A. No. 1038/2018 dated 23/08/2019 by MoEF&CC, Govt. of India vide letter dated 24/10/2019 and observed that category B-2 projects shall be considered at state level stipulating EC condition as applicable for the category "B-1" projects/activities. Hence, the project proponent shall be apply under B-1 category through online portal. The committee also directed to close the file no. 5419.

8. Work Project for Construction of Rubber dam at 1.5 km downstream of Taj Mahal on River Yamuna in Agra City, District-Agra, U.P. File No. 5439/Proposal No. SIA/UP/MIS/130942/2019

RESOLUTION AGAINST AGENDA NO-08

The committee observed that since the proposed project falls in CEPI/SCEPI area. The SEAC gone through the provision of the mechanism framed regarding compliance of Hon'ble NGT order in O.A. No. 1038/2018 dated 23/08/2019 by MoEF&CC, Govt. of India vide letter dated 24/10/2019 and observed that category B-2 projects shall be considered at state level stipulating EC condition as applicable for the category "B-1" projects/activities. Hence, the project proponent shall be apply under B-1 category through online portal.

9. Institutional Building on Plot No- B-31 & B-32, Sector- 132, Noida, District- Gautam Buddh Nagar, U.P., M/s Enpro Telecom Pvt. Ltd. File No. 5472/Proposal No. SIA/UP/MIS/136706/2020

RESOLUTION AGAINST AGENDA NO-09

The committee observed that since the proposed project falls in CEPI/SCEPI area. The SEAC gone through the provision of the mechanism framed regarding compliance of Hon'ble NGT order in O.A. No. 1038/2018 dated 23/08/2019 by MoEF&CC, Govt. of India vide letter dated 24/10/2019 and observed that category B-2 projects shall be considered at state level stipulating EC condition as applicable for the category "B-1" projects/activities. Hence, the project proponent shall be apply under B-1 category through online portal. The committee also directed to close the file no. 5472.

10. Durga Industrial Park at Khasra No.-1/2m, 2 to 24,25/m, 26 m, 27 m, 28, 29,30/m,31/m,37m,38m,39m,40m,41m, Jhandapur, Ghaziabad and Khasra No.-4974/1m, Pasonda Ghaziabad &Khasra No.- 448/m, 450/m, 451, 452/1,453/1,454,455/2m, 455/3m, 457, 458m, 460m, 463m, 465/1m, 466m, 467m, & 468/2m, Jagola, Ghaziabad., M/s Durga Enterprises Pvt. Ltd. File No. 5418/Proposal No. SIA/UP/NCP/48875/2019

RESOLUTION AGAINST AGENDA NO-10

The committee observed that since the proposed project falls in CEPI/SCEPI area. The SEAC gone through the provision of the mechanism framed regarding compliance of Hon'ble NGT order in O.A. No. 1038/2018 dated 23/08/2019 by MoEF&CC, Govt. of India vide letter dated 24/10/2019 and observed that category B-1 will be appraised by central level. Hence, the project proponent shall be apply MoEF&CC, Govt. of India through online portal. The committee also directed to close the file no. 5418.

11. Proposed Industrial Building at Plot No.-01, Sector-156, Noida, District- Gautam Buddha Nagar, U.P., M/s Surbhi Telelink Pvt. Ltd. File No. 5447 /Proposal No. SIA/UP/NCP/50113/2020

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

1. The environmental clearance is sought for Proposed Industrial Building at Plot No.-01, Sector-156, Noida, District- Gautam Buddha Nagar, U.P., M/s Surbhi Telelink Pvt. Ltd.
2. Salient features of the project:

Sl. No.	Description	Quantity	Unit
GENERAL			
1	Plot Area	20000.5	SQMT
2	Proposed Built Up Area	96029.685	SQMT
3	Max Height of Building Upto Terrace (Office Block)	86.05	M
4	Max No of Floors (Office Block)	B+ST+21	No.
5	Expected Population (10766 Working Population & 309 Visitors)	11075	No.
6	Cost of Project	167	CR
7	Project activity: Industrial block – Industrial electronics assembly & storage activity & commercial block – commercial offices.		
AREAS			
8	Permissible Ground Coverage Area (50%)	10000.25	SQMT

9	Proposed Ground Coverage Area (49.6%)	9921.521	SQMT
10	Permissible FAR Area 315 (300+5% for Green Rating)	63001.58	SQMT
11	Proposed FAR Area (311)	62282.46	SQMT
12	Non FAR areas - Total Basement Area	17078.07	SQMT
13	Non FAR areas - Stilt Area	8719.78	SQMT
14	Non FAR areas - Service area etc (except basement area)	7949.37	SQMT
15	Proposed Total Built Up Area	96029.69	SQMT
WATER			
16	Total Water Requirement	686.51	KLD
17	Fresh water requirement	270.68	KLD
18	Treated Water Requirement	415.83	KLD
19	Waste water Generation	462.01	KLD
20	Proposed Total Capacity of STP	550	KLD
21	Treated Water Available for Reuse	415.81	KLD
22	Treated Water Recycled	415.83	KLD
23	Discharge in Sewer	0	KLD
RAIN WATER HARVESTING			
24	Rain Water Harvesting Potential	4074.61	KL
25	No of RWH of Pits Proposed	5	No.
PARKING			
26	Total Parking Required as / Building Bye Laws	622.8	ECS
27	Proposed Total Parking	676	ECS
28	Stilt Parking	256	ECS
29	Parking in Basements	420	ECS
GREEN AREA			
30	Required Green Area (20.15% of plot area)	4031.591	SQMT
31	Proposed Green Area (23.8% of plot area)	4760	SQMT
WASTE			
32	Total Solid Waste Generation	2.20	TPD
33	Organic waste	0.89	TPD
34	Quantity of Hazardous waste Generation	4.22	LPD
35	Quantity of Sludge Generated from STP	32	KG/DAY
ENERGY			
36	Total Power Requirement (Source : UPPCL)	5428	KW
37	DG set backup	8000	KVA
38	No of DG Sets	6	No.

3. Water requirement details:

	POPULATION/ AREA/UNIT	RATE IN LTS	TOTAL QTY IN kld
COMMERCIAL & INDUSTRIAL			
COMMERCIAL & INDUSTRIAL Employees in Regular shift			
DOMESTIC	6212	25	155.29
FLUSHING	6212	20	124.23
DOMESTIC	4554	25	113.84
FLUSHING	4554	20	91.08
VISITORS			
DOMESTIC	309	5	1.55
FLUSHING	309	10	3.09
TOTAL POPULATION	11076		
	Area in sqm		
GARDENING	4760	1	4.76
	TR	LTS/Hr	

AIR CONDITIONING (including extra shift)	2263	8.4	193
TOTAL WATER REQUIREMENT			687

- Estimated waste water Generation: 462 kld
- Treated water usage: 416 kld
- Proposed STP (Capacity): 550 kld
- Proposed treatment methodology : SBR
- Treatment up to tertiary level.
- STP shall have power back-up for uninterrupted operation during power failure.
- Treated waste water will be used for flushing, Gardening & HVAC.

4. Solid waste generation details:

Waste Category	Quantity	Unit
Total Waste Generation	2.20	TPD
Organic Waste Generation	0.89	TPD
Sludge Generation	32	kg/Day
Hazardous Waste Generation (DG Waste Oil)	4.22	Ltrs/ Day

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

RESOLUTION AGAINST AGENDA NO-11

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

1. Master plan of the area showing proposed project. Permissible uses of the proposed site as per zoning regulation.
2. Allotment letter from concerned development authority.
3. All approved drawings/maps alongwith approved services plans.
4. Structural design certificate signed by the architect and vetting authority should be submitted. All structural design drawings should be signed by architect and counter signed by vetting authority.
5. Area details showing proposed uses as residential, commercial, parks, parking, roads, other services, facilities of the project also in percentage.
6. Complete Gata/Khasra no. of the project alongwith soft and hard copy should be submitted in table format with proper calculation.
7. Physical features within 30 m of the project sites with their ownership.
8. Complete Details of facilities to be developed by the project proponent i.e. for which environment clearance is sought.
9. Use of reflecting paints on roof top and side walls.
10. Details of rain water harvesting are to be given.
11. Provision of 100% solar lighting along the road site, stair cases, common places.
12. Plan for EWS / LIG housing provision as per Development Authority bye-laws.
13. Examine in detail the proposed site with reference to impact on infrastructure covering water supply, storm water drainage, sewerage, power, etc., and the disposal of treated/raw wastes from the complex on land/water body and into sewerage system. Consider soil characteristics and permeability for rainwater harvesting proposals, should be made to prevent ground water contamination. Maximize use of treated water by recycling and utilization of rainwater.
14. Water requirement and its management plan along with necessary permissions for discharge.
15. An underground Pucca tank with kaccha base for collection/reuse of rain water may be constructed.
16. Hydro-geological investigations to be carried out and obtain permission from Central Ground Water Authority for withdrawal of ground water.
17. Make provision for safety against failure in the operation of wastewater treatment facilities. Identify acceptable outfall for treated effluent.

18. Details of green belt as a measure for mitigation of dust and noise and buffer between habitation and proposed project.
19. Landscape plan, green belts and open spaces may be described separately.
20. Study the existing flora and fauna of the area and the impact of the project on them. There should be no basement below 15 m setback. Accordingly, the Plan should be revised and submitted.
21. Section of all internal roads should be provided. Right of way and carriage way width should be clearly marked on the map. Avoid entry/exit at point of junction of roads. Traffic movement plan in and out should be shown.
22. Examine existing crèche, education, health facilities, police, post Office, Banks and other services and make adequate provisions in the proposal.
23. Assess soil erosion in view of the soil characteristics, topography and rainfall pattern.
24. Application of renewable energy/alternate energy, such as solar and wind energy may be described including solar water heating in the guidelines for entrepreneurs.
25. Consider solid wastes, including e-waste in addition to other solid wastes and their disposal.
26. Identification of recyclable wastes and waste utilization arrangements may be made.
27. Explore possibility of generating biogas from biodegradable wastes.
28. Arrangements for hazardous waste management may be described as also the common facilities for waste collection, treatment, recycling and disposal of all effluent, emission and refuse including MSW, biomedical and hazardous wastes. Special attention should be made with respect to bird menace.
29. Provisions made for safety in storage of materials, products and wastes may be described.
30. Disaster management plan should be prepared.
31. Traffic management plan including parking and loading/unloading areas may be described. Traffic survey should be carried out both on weekdays and weekend.
32. Parking provision is to be made for higher ECS worked out either as per state bye-laws or construction manual of the MoEF. Additional parking (more than required nos. as per norms) will not be permitted.
33. Exclusive Parking area in the basement (excluding other facilities) and surface is to be clearly mentioned.
34. Provide service road for entry and exit to project site.
35. Use of local building materials should be described.
36. Consider provision of DG Flue Gas emissions to be treated in a scrubber. Stack details with provisions of sampling port for monitoring to be described. Power backup should be restricted to 50-60 % of power requirement. Plan should be revised and submitted.
37. Work out MGLC for the combined capacity of DG sets.
38. Provide for conservation of resources, energy efficiency and use of renewable sources of energy in the light of ECBC code.
39. Application of resettlement and rehabilitation policy may be described. Project affected persons should be identified and rehabilitation and resettlement plan should be prepared.
40. Examine separately the details for construction and operation phases both for Environmental Monitoring Plan and Environmental Management Plan.
41. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018.A copy of resolution as above shall be submitted to the authority along with list of beneficiaries with their mobile nos./address.
42. Required no of trees should be proposed @ 01 tree/80 m^2, submit plan.
43. Project falling within 10 Km. area of Wild Life Sanctuary is to obtain a clearance from National Board Wild Life (NBWL) even if the eco- sensitive zone is not earmarked.

44. Declare/submit the running cost of STP and other environmental management services (e.g., Municipal Solid Waste Disposal, Green belt Maintenance, Water Management etc.) in the proposals which are to be including in the allotment letters. Vendors should be identified for Municipal Solid Waste Management and submitted.
45. The proponent will submit the schedule of monitoring/data collection programme to the Office of Directorate, Member Secretary, UP Pollution Control Board and District Magistrate of related District.

General Guidelines:

a. A legal affidavit by the Project proponent on Rs. 100/- non-judicial Stamp Paper, duly attested by Public Notary, stating that:
   I. "There is no litigation pending against the project and/or land in which the project is proposed to be set up (please give name & ownership etc. of the project) and that for any such litigation what so ever, the sole responsibility will be borne by the Project proponent."
   II. "No activity relating to this project (i.e. name of the project) including civil construction has been undertaken at site except fencing of the site to protect it from getting encroached and construction of temporary shed(s) for the guard(s). (if fencing has not been done, then the same may be deleted).
   III. "I/We hereby give undertaking that the data and information given in the application, enclosures and other documents are true to the best of my knowledge and belief and I/We am/are aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the Project will be revoked at our risk and cost."
   IV. Project does not fall under any buffer zone of no-development as declared /identified under any law.
b. Another legal affidavit by the consultant stating "(a) that the prescribed TORs have been complied with (to be deleted if not applicable) & (b) that details and the data presented are factually correct", as per MoEF circular dated 04.08.2009 is also to be submitted along with EIA.
c. Current site photographs viewing towards the project area from four directions indicating date of photograph taken, direction from which taken, name of the project, and signature of Project proponent along with consultant with seal should be submitted, so as to ensure that no construction has been started before the grant of EC.
d. EIA should strictly follow the guidelines prescribed in annexure-III to the EIA notification of 2006 and the Methods of Monitoring and analysis (Annexure-IV): Guidance for assessment of representativeness and reliability of baseline environmental attributes detailed under EIA manual January, 2001 and other guidelines in the matter.
e. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared.
f. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated.
g. While submitting the EIA/EMP reports, the name of the experts associated with/involved in the preparation of these reports and the Name of laboratory through which the samples have been got analysed should be stated in the report. It shall clearly be indicated whether said laboratory is accredited by NABL or approved under the Environment (Protection) Act, 1986 (Please refer MoEF office memorandum dated 4th August, 2009). The name project leader of the EIA study shall also be mentioned.
h. The EIA document shall be printed on both sides, as far as possible.

The Information's no (a I , II, III & c) asked under the general guidelines is to be submitted within 15 days from the date of receipt of the letter and remaining of the information's is to be submitted along with the EIA.

12. Group Housing Project "SKA Divya Towers" at Plot No.-Gh-01A/1, Sector-16, Greater Noida West, Gautam Buddha Nagar., M/s JRS Conbuild Pvt. Ltd. File No. 5474 /Proposal No. SIA/UP/NCP/50470/2020

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

1. The environmental clearance is sought for Group Housing Project "SKA Divya Towers" at Plot No.-Gh-01A/1, Sector-16, Greater Noida West, Gautam Buddha Nagar., M/s JRS Conbuild Pvt. Ltd.
2. Salient features of the project:

Name and Location of the Project	Group Housing project "SKA DIVYA TOWER" At Plot no.-GH -01A/1, Sector-16, Greater Noida (W), Distt. - Gautam Buddha Nagar (U.P).
Developers of the project	M/s JRS Conbuild Private Limited
Total Plot Area	13500 sq. m. (1.3500 Hectares approx)
Built-up Area	79689.99 sq. m
Fresh Water Requirement	157.59 KLD
Power Requirement	1600 KVA
Power Backup	2 nos. of DG sets of total capacity 1000 KVA (500 KVA X 02)
Total Parking Proposed	Parking Proposed – 657 ECS
Solid Waste to be Generated	Approx 1209 kg/Day Horticulture Waste : 20.0 kg /Day
Total Project Cost	120.0 Crores
Solar Lights	Basement lighting will be done through solar lighting system.

3. Area details of the project:

S. No.	Particulars	Area (in sq.m)
1.	Total Plot Area	13500.0
2.	Permissible Ground Coverage (35 % of the plot area)	4725.0
3.	Proposed Ground Coverage (27.3 % of the plot area)	3689.23
4.	Open Area	9810.77
5.	Proposed Basement Area Basement-1 Basement-2 Basement-3	22562.85 10942.17 10960.68 660.00
6a.	Permissible Basic FAR (@ 3.675 (including Green Building + puchase + basic)	49612.50
6b.	Permissible FAR (Green Building @ 5 % of the FAR, 0.2)	2362.50
7.	Proposed FAR (@ 3.675)	49611.78
8.	Proposed Non FAR	22989.14
9.	Proposed 15% prescribed FAR	7056.93
10.	Proposed Total Built Up Area	79689.99
11.	Required Green Area (@ 50 % of Open Area)	4905.38
12.	Proposed Green Area (59.14 % of Open Area)	5802.46
12.	Maximum height of the building (in mtrs)	101.85
13.	Permissible Dwelling unit	630
14.	Proposed Dwelling unit	528

4. Water requirement details:

Domestic Water Requirement	214.47 KLD
Fresh water (@30% of domestic water)	157.59 KLD
Flushing water (@ 100% of domestic water)	51.45 KLD
Horticulture / Landscape	5.43 KLD
Waste Water Generated (@ 80% fresh water + 100% flushing water)	167 KLD
STP Capacity	200 KLD (20 % of extra capacity as per

	MOEF Norms)

5. Waste water details:

SOURCE	MANAGEMENT / MITIGATIVE MEASURES
A) DURING CONSTRUCTION PHASE	
1. Source: Treated water from STP 2. Approx. Water Demand: 80 KL 3. Wastewater Generation: 10 KLD	The site drainage is planned in such a way that there is no accumulation of wastewater within the project premises or in the vicinity of the site. 2. Mobile type sulabh shauchalayas to be provided for construction laborers.
B) DURING OPERATION PHASE	
Source: Greater Noida Industrial Development Authority Total Water Demand = 214.47 KLD Domestic water = 157.59 KLD Horticulture = 5.43 KLD Wastewater Generation = 167.23 KLD	1. STP of 200 KLD is proposed to treat wastewater. 2. Treated sewage to be used for Horticulture, DG cooling & flushing. 3. Use of Water efficient fixtures to conserve water.

6. Solid waste generation details:

SOLID WASTE GENERATION CALCULATION						
S. No.	Particulars	Waste generation Norms per unit (kg/capita/day)	Population (sqm)	Area (sqm)	Waste generation - kg/sqmt/day	Waste Generated Kg/Day
1	Residential	0.5	2376			1188
3	*Community Centre	0.1	165	1051.16		16.5
5	*Commercial	0.1	48	472.48		4.8
Total Municipal Waste						1209
* Solid Waste Generation has been calculated as per Solid Waste Management Rules 2016 & Floating Population has been considered as per NBC 2016						
Horticulture Waste Generation Calculation						
S.No.	Particulars	Waste generation Norms per unit (Kg/sq m/day)		Area (sqm)		Waste Generated Kg/Day
1	Horticulture Waste	0.0037		5802.46		20
Electronic Waste Generation Calculation						
S.No.	Particulars	Waste generation Norms per unit (Kg/capita/year)	Population			Waste Generated Kg/Day
1	E- Waste	0.15	2589			1.06

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

RESOLUTION AGAINST AGENDA NO-12

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

1. Master plan of the area showing proposed project. Permissible uses of the proposed site as per zoning regulation.
2. Allotment letter from concerned development authority.
3. All approved drawings/maps alongwith approved services plans.
4. Structural design certificate signed by the architect and vetting authority should be submitted. All structural design drawings should be signed by architect and counter signed by vetting authority.
5. Area details showing proposed uses as residential, commercial, parks, parking, roads, other services,

facilities of the project also in percentage.

6. Complete Gata/Khasra no. of the project alongwith soft and hard copy should be submitted in table format with proper calculation.
7. Physical features within 30 m of the project sites with their ownership.
8. Complete Details of facilities to be developed by the project proponent i.e. for which environment clearance is sought.
9. Use of reflecting paints on roof top and side walls.
10. Details of rain water harvesting are to be given.
11. Provision of 100% solar lighting along the road site, stair cases, common places.
12. Plan for EWS / LIG housing provision as per Development Authority bye-laws.
13. Examine in detail the proposed site with reference to impact on infrastructure covering water supply, storm water drainage, sewerage, power, etc., and the disposal of treated/raw wastes from the complex on land/water body and into sewerage system. Consider soil characteristics and permeability for rainwater harvesting proposals, should be made to prevent ground water contamination. Maximize use of treated water by recycling and utilization of rainwater.
14. Water requirement and its management plan along with necessary permissions for discharge.
15. An underground Pucca tank with kaccha base for collection/reuse of rain water may be constructed.
16. Hydro-geological investigations to be carried out and obtain permission from Central Ground Water Authority for withdrawal of ground water.
17. Make provision for safety against failure in the operation of wastewater treatment facilities. Identify acceptable outfall for treated effluent.
18. Details of green belt as a measure for mitigation of dust and noise and buffer between habitation and proposed project.
19. Landscape plan, green belts and open spaces may be described separately.
20. Study the existing flora and fauna of the area and the impact of the project on them. There should be no basement below 15 m setback. Accordingly, the Plan should be revised and submitted.
21. Section of all internal roads should be provided. Right of way and carriage way width should be clearly marked on the map. Avoid entry/exit at point of junction of roads. Traffic movement plan in and out should be shown.
22. Examine existing crèche, education, health facilities, police, post Office, Banks and other services and make adequate provisions in the proposal.
23. Assess soil erosion in view of the soil characteristics, topography and rainfall pattern.
24. Application of renewable energy/alternate energy, such as solar and wind energy may be described including solar water heating in the guidelines for entrepreneurs.
25. Consider solid wastes, including e-waste in addition to other solid wastes and their disposal.
26. Identification of recyclable wastes and waste utilization arrangements may be made.
27. Explore possibility of generating biogas from biodegradable wastes.
28. Arrangements for hazardous waste management may be described as also the common facilities for waste collection, treatment, recycling and disposal of all effluent, emission and refuse including MSW, biomedical and hazardous wastes. Special attention should be made with respect to bird menace.
29. Provisions made for safety in storage of materials, products and wastes may be described.
30. Disaster management plan should be prepared.
31. Traffic management plan including parking and loading/unloading areas may be described. Traffic survey should be carried out both on weekdays and weekend.
32. Parking provision is to be made for higher ECS worked out either as per state bye-laws or construction manual of the MoEF. Additional parking (more than required nos. as per norms) will not be permitted.

33. Exclusive Parking area in the basement (excluding other facilities) and surface is to be clearly mentioned.
34. Provide service road for entry and exit to project site.
35. Use of local building materials should be described.
36. Consider provision of DG Flue Gas emissions to be treated in a scrubber. Stack details with provisions of sampling port for monitoring to be described. Power backup should be restricted to 50-60 % of power requirement. Plan should be revised and submitted.
37. Work out MGLC for the combined capacity of DG sets.
38. Provide for conservation of resources, energy efficiency and use of renewable sources of energy in the light of ECBC code.
39. Application of resettlement and rehabilitation policy may be described. Project affected persons should be identified and rehabilitation and resettlement plan should be prepared.
40. Examine separately the details for construction and operation phases both for Environmental Monitoring Plan and Environmental Management Plan.
41. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018.A copy of resolution as above shall be submitted to the authority along with list of beneficiaries with their mobile nos./address.
42. Required no of trees should be proposed @ 01 tree/80 m^2, submit plan.
43. Project falling within 10 Km. area of Wild Life Sanctuary is to obtain a clearance from National Board Wild Life (NBWL) even if the eco- sensitive zone is not earmarked.
44. Declare/submit the running cost of STP and other environmental management services (e.g., Municipal Solid Waste Disposal, Green belt Maintenance, Water Management etc.) in the proposals which are to be including in the allotment letters. Vendors should be identified for Municipal Solid Waste Management and submitted.
45. The proponent will submit the schedule of monitoring/data collection programme to the Office of Directorate, Member Secretary, UP Pollution Control Board and District Magistrate of related District.

General Guidelines:

a. A legal affidavit by the Project proponent on Rs. 100/- non-judicial Stamp Paper, duly attested by Public Notary, stating that:
   I. "There is no litigation pending against the project and/or land in which the project is proposed to be set up (please give name & ownership etc. of the project) and that for any such litigation what so ever, the sole responsibility will be borne by the Project proponent."
   II. "No activity relating to this project (i.e. name of the project) including civil construction has been undertaken at site except fencing of the site to protect it from getting encroached and construction of temporary shed(s) for the guard(s). (if fencing has not been done, then the same may be deleted).
   III. "I/We hereby give undertaking that the data and information given in the application, enclosures and other documents are true to the best of my knowledge and belief and I/We am/are aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the Project will be revoked at our risk and cost."
   IV. Project does not fall under any buffer zone of no-development as declared /identified under any law.
b. Another legal affidavit by the consultant stating "(a) that the prescribed TORs have been complied with (to be deleted if not applicable) & (b) that details and the data presented are factually correct", as per MoEF circular dated 04.08.2009 is also to be submitted along with EIA.

c. Current site photographs viewing towards the project area from four directions indicating date of photograph taken, direction from which taken, name of the project, and signature of Project proponent along with consultant with seal should be submitted, so as to ensure that no construction has been started before the grant of EC.
d. EIA should strictly follow the guidelines prescribed in annexure-III to the EIA notification of 2006 and the Methods of Monitoring and analysis (Annexure-IV): Guidance for assessment of representativeness and reliability of baseline environmental attributes detailed under EIA manual January, 2001 and other guidelines in the matter.
e. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared.
f. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated.
g. While submitting the EIA/EMP reports, the name of the experts associated with/involved in the preparation of these reports and the Name of laboratory through which the samples have been got analysed should be stated in the report. It shall clearly be indicated whether said laboratory is accredited by NABL or approved under the Environment (Protection) Act, 1986 (Please refer MoEF office memorandum dated 4th August, 2009). The name project leader of the EIA study shall also be mentioned.
h. The EIA document shall be printed on both sides, as far as possible.

The Information's no (a I , II, III & c) asked under the general guidelines is to be submitted within 15 days from the date of receipt of the letter and remaining of the information's is to be submitted along with the EIA.

13. "Gaur World Street" at Plot No.-C-1A, Sector-16 B, Greater Noida (W), Gautam Buddha Nagar, U.P., M/s Fastidious Buildmart Pvt. Ltd. File No. 5475 /Proposal No. SIA/UP/NCP/50301/2020

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

1. The environmental clearance is sought for "Gaur World Street" at Plot No.-C-1A, Sector-16 B, Greater Noida (W), Gautam Buddha Nagar, U.P., M/s Fastidious Buildmart Pvt. Ltd.
2. Salient features of the project:

Name and Location of the Project	Commercial project "Gaur World Street" At Plot no.-C-1A, Sector-16B, Greater Noida (W), Distt. - Gautam Buddha Nagar (U.P).
Developers of the project	M/s Fastidious Buildmart Pvt. Ltd
Total Plot Area	19987.00 sq. m. (1.9987 Hectares approx)
Built-up Area	126590.75 sq. m
RERA Registration No.	UPRERAPRJ674297
Fresh Water Requirement	126 KLD
Power Requirement	4230.0 KVA
Power Backup	3 nos. of DG sets of total capacity 4500 KVA (1 X 2000 KVA + 2 x 1250 KVA)
Total Parking Proposed	Parking Proposed – 1705 ECS
Solid Waste to be Generated	Approx 1564 KG/Day Sludge from ETP : 20.40 kg /Day
Total Project Cost	400.0 Crores
Solar Lights	Basement lighting will be done through solar lighting system.

3. Area details of the project:

S. No.	Particulars	Area (in sq.m)
1.	Total Plot Area	19987.00
2.	Permissible Ground Coverage (40% of the plot area)	7994.80
3.	Proposed Ground Coverage (39.9% of the plot area)	7977.19
4.	Open Area (@30% excluding landscape area) i.e. gross open area 60% of total plot area.	11996.20
5.	Proposed Basement Area Basement-1 Basement-2 Basement-3	48803.52 16,267.84 16257.61 16257.61
6a.	Permissible Basic FAR (@ 4 of the total plot area)	79948.00
6b.	Permissible FAR (Green Building @ 5 % of the FAR, 0.2)	3997.40
7.	Total Permissible FAR (including Green Building) (@ 4.2)	83945.40
8.	Proposed FAR (@ 4.1)	83539.41
9.	Proposed Non FAR	32038.06
10.	Proposed 15% prescribed FAR	11013.28
11.	Proposed Total Built Up Area	126590.75
12.	Landscape Area (@ 30.26% of net plot area)	6054.91
13.	Maximum height of the building (in mtrs)	99.50

4. Land use details:

Sr No	Particulars	Area	% of Total Plot
01	Covered Area	7990.80	39.98 %
02	Road, Paved and Open Area	5938.10	29.76 %
03	Landscape Area	6054.91	30.26 %
Total Land Area		19,987.00	100 %

5. Water calculation details:

Domestic Water Requirement	421 KLD
Fresh water (@30% of domestic water)	126 KLD
Flushing water (@ 70% of domestic water)	295 KLD
Waste Water Generated (@ 80% fresh water + 100% flushing water)	101+ 295 = 396 KLD
STP Capacity	500 KLD (20 % of extra capacity as per MOEF Norms)

6. Waste water details:

SOURCE	MANAGEMENT / MITIGATIVE MEASURES
A) DURING CONSTRUCTION PHASE	
1. Source: Treated water from STP 2. Approx. Water Demand: 100 KL 3. Wastewater Generation: 15.0 KLD	The site drainage is planned in such a way that there is no accumulation of wastewater within the project premises or in the vicinity of the site. 2. Mobile type sulabh shauchalayas to be provided for construction laborers.
B) DURING OPERATION PHASE	
Source: Greater Noida Industrial Development Authority Total Water Demand = 421 KLD Domestic water = 126 KLD Horticulture = 2.0 KLD Wastewater Generation = 396 KLD	1. STP of 500 KLD is proposed to treat wastewater. 2. Treated sewage to be used for Horticulture, DG cooling & flushing. 3. Use of Water efficient fixtures to conserve water.

7. Solid waste details:

SI. No.	Description	Occupancy	Waste Generated (Kg per capita / day)	Waste Generated (kg/capita/day)
1.	Total Staff	937	0.25 kg/day	234.00
2.	Total Visitors	8723	0.15 kg/day	1308.45
3.	Horticultural Waste (1.5 acres)	@ 0.2 kg/acre/day		0.30

4.	ETP Sludge	Sludge generated x 0.35 x B.O.D difference/1000	20.40
Total Solid Waste Generation = 1563.15 say 1564 kg/day			

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

RESOLUTION AGAINST AGENDA NO-13

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

1. Master plan of the area showing proposed project. Permissible uses of the proposed site as per zoning regulation.
2. Allotment letter from concerned development authority.
3. All approved drawings/maps alongwith approved services plans.
4. Structural design certificate signed by the architect and vetting authority should be submitted. All structural design drawings should be signed by architect and counter signed by vetting authority.
5. Area details showing proposed uses as residential, commercial, parks, parking, roads, other services, facilities of the project also in percentage.
6. Complete Gata/Khasra no. of the project alongwith soft and hard copy should be submitted in table format with proper calculation.
7. Physical features within 30 m of the project sites with their ownership.
8. Complete Details of facilities to be developed by the project proponent i.e. for which environment clearance is sought.
9. Use of reflecting paints on roof top and side walls.
10. Details of rain water harvesting are to be given.
11. Provision of 100% solar lighting along the road site, stair cases, common places.
12. Plan for EWS / LIG housing provision as per Development Authority bye-laws.
13. Examine in detail the proposed site with reference to impact on infrastructure covering water supply, storm water drainage, sewerage, power, etc., and the disposal of treated/raw wastes from the complex on land/water body and into sewerage system. Consider soil characteristics and permeability for rainwater harvesting proposals, should be made to prevent ground water contamination. Maximize use of treated water by recycling and utilization of rainwater.
14. Water requirement and its management plan along with necessary permissions for discharge.
15. An underground Pucca tank with kaccha base for collection/reuse of rain water may be constructed.
16. Hydro-geological investigations to be carried out and obtain permission from Central Ground Water Authority for withdrawal of ground water.
17. Make provision for safety against failure in the operation of wastewater treatment facilities. Identify acceptable outfall for treated effluent.
18. Details of green belt as a measure for mitigation of dust and noise and buffer between habitation and proposed project.
19. Landscape plan, green belts and open spaces may be described separately.
20. Study the existing flora and fauna of the area and the impact of the project on them. There should be no basement below 15 m setback. Accordingly, the Plan should be revised and submitted.
21. Section of all internal roads should be provided. Right of way and carriage way width should be clearly marked on the map. Avoid entry/exit at point of junction of roads. Traffic movement plan in and out should be shown.
22. Examine existing crèche, education, health facilities, police, post Office, Banks and other services and

make adequate provisions in the proposal.

23. Assess soil erosion in view of the soil characteristics, topography and rainfall pattern.
24. Application of renewable energy/alternate energy, such as solar and wind energy may be described including solar water heating in the guidelines for entrepreneurs.
25. Consider solid wastes, including e-waste in addition to other solid wastes and their disposal.
26. Identification of recyclable wastes and waste utilization arrangements may be made.
27. Explore possibility of generating biogas from biodegradable wastes.
28. Arrangements for hazardous waste management may be described as also the common facilities for waste collection, treatment, recycling and disposal of all effluent, emission and refuse including MSW, biomedical and hazardous wastes. Special attention should be made with respect to bird menace.
29. Provisions made for safety in storage of materials, products and wastes may be described.
30. Disaster management plan should be prepared.
31. Traffic management plan including parking and loading/unloading areas may be described. Traffic survey should be carried out both on weekdays and weekend.
32. Parking provision is to be made for higher ECS worked out either as per state bye-laws or construction manual of the MoEF. Additional parking (more than required nos. as per norms) will not be permitted.
33. Exclusive Parking area in the basement (excluding other facilities) and surface is to be clearly mentioned.
34. Provide service road for entry and exit to project site.
35. Use of local building materials should be described.
36. Consider provision of DG Flue Gas emissions to be treated in a scrubber. Stack details with provisions of sampling port for monitoring to be described. Power backup should be restricted to 50-60 % of power requirement. Plan should be revised and submitted.
37. Work out MGLC for the combined capacity of DG sets.
38. Provide for conservation of resources, energy efficiency and use of renewable sources of energy in the light of ECBC code.
39. Application of resettlement and rehabilitation policy may be described. Project affected persons should be identified and rehabilitation and resettlement plan should be prepared.
40. Examine separately the details for construction and operation phases both for Environmental Monitoring Plan and Environmental Management Plan.
41. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018.A copy of resolution as above shall be submitted to the authority along with list of beneficiaries with their mobile nos./address.
42. Required no of trees should be proposed @ 01 tree/80 m^2, submit plan.
43. Project falling within 10 Km. area of Wild Life Sanctuary is to obtain a clearance from National Board Wild Life (NBWL) even if the eco- sensitive zone is not earmarked.
44. Declare/submit the running cost of STP and other environmental management services (e.g., Municipal Solid Waste Disposal, Green belt Maintenance, Water Management etc.) in the proposals which are to be including in the allotment letters. Vendors should be identified for Municipal Solid Waste Management and submitted.
45. The proponent will submit the schedule of monitoring/data collection programme to the Office of Directorate, Member Secretary, UP Pollution Control Board and District Magistrate of related District.

General Guidelines:

a. A legal affidavit by the Project proponent on Rs. 100/- non-judicial Stamp Paper, duly attested by Public Notary, stating that:

I. "There is no litigation pending against the project and/or land in which the project is proposed to be set up (please give name & ownership etc. of the project) and that for any such litigation what so ever, the sole responsibility will be borne by the Project proponent."
II. "No activity relating to this project (i.e. name of the project) including civil construction has been undertaken at site except fencing of the site to protect it from getting encroached and construction of temporary shed(s) for the guard(s). (if fencing has not been done, then the same may be deleted).
III. "I/We hereby give undertaking that the data and information given in the application, enclosures and other documents are true to the best of my knowledge and belief and I/We am/are aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the Project will be revoked at our risk and cost."
IV. Project does not fall under any buffer zone of no-development as declared /identified under any law.

b. Another legal affidavit by the consultant stating "(a) that the prescribed TORs have been complied with (to be deleted if not applicable) & (b) that details and the data presented are factually correct", as per MoEF circular dated 04.08.2009 is also to be submitted along with EIA.
c. Current site photographs viewing towards the project area from four directions indicating date of photograph taken, direction from which taken, name of the project, and signature of Project proponent along with consultant with seal should be submitted, so as to ensure that no construction has been started before the grant of EC.
d. EIA should strictly follow the guidelines prescribed in annexure-III to the EIA notification of 2006 and the Methods of Monitoring and analysis (Annexure-IV): Guidance for assessment of representativeness and reliability of baseline environmental attributes detailed under EIA manual January, 2001 and other guidelines in the matter.
e. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared.
f. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated.
g. While submitting the EIA/EMP reports, the name of the experts associated with/involved in the preparation of these reports and the Name of laboratory through which the samples have been got analysed should be stated in the report. It shall clearly be indicated whether said laboratory is accredited by NABL or approved under the Environment (Protection) Act, 1986 (Please refer MoEF office memorandum dated 4th August, 2009). The name project leader of the EIA study shall also be mentioned.
h. The EIA document shall be printed on both sides, as far as possible.

The Information's no (a I , II, III & c) asked under the general guidelines is to be submitted within 15 days from the date of receipt of the letter and remaining of the information's is to be submitted along with the EIA.

14. Group Housing (PMAY) "MigsunAtharva Phase- I" at Khasra No.- 408, 409, 410, 411, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432(M), 433 (M), 434, 488, 489, 490, 492, 493, Village- Noor Nagar,District- Ghaziabad, U.P., M/s Mahaluxmi Buildtech Ltd. File No. 5415 /Proposal No. SIA/UP/NCP/ 49644/2019

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

1. The environmental clearance is sought for Group Housing Project (PMAY) "Migsun Atharva Phase-I" at Khasra No.-408,409,410,411,423,424, 425, 426, 427, 428, 429, 430, 431, 432(M), 433 (M), 434, 488, 489, 490, 492, 493, Village-Noor Nagar,District- Ghaziabad, U.P., M/s Mahaluxmi Buildtech Ltd.
2. Terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 267/Parya/SEAC/4894/2018 dated 24/09/2019. EIA report submitted by the project proponent on 10/01/2020.
3. Salient features of the project:

Description	Proposed
Plot Area	39,724.47 m^2
Built-up Area	1,75,258.18 m^2
Green Area	3,573.00 m^2 @ 10 % of Total Plot Area
Total Water Requirement	486 KLD
Fresh Water Requirement	326 KLD
Wastewater Generation	401 KLD
Capacity of STP	482 KLD
Solid Waste Generation	3,061 kg/day
Parking Required & Provided	911 ECS & 1875 ECS
Power Demand & Source	5,250kVA (Paschimanchal Vidyut Vitran Nigam Limited)
Back up	4,500 kVA (3 x 1250 kVA + 1 x 750 kVA)
RWH Pits	9 pits
Project Cost	433 Crores
Expected Date of Completion of project	5 years

4. Area details of the project:

S. No.	Particulars	Area (m^2)
1.	Total Plot Area of Phase I	39,724.47
2.	Area For Road Winding in Phase I	3499.67
3.	Net Plot Area of Phase I (1-2)	35,724.80
4.	10% Green Area of Phase I	3,573.00
5.	Permissible Ground Coverage of Phase I (@40% of Net Plot Area)	14,289.92
6.	Proposed Ground Coverage of Phase I (27.11% of Net Plot Area)	9686.29
7.	Total Permissible F.A.R. Area (For Phase I, Phase II & Phase III) A. Residential F.A.R. @ 2.5 B. Incentive F.A.R. for residential @ 1 C. Commercial F.A.R. (@10% of Permissible F.A.R @ 2.5) D. Incentive F.A.R. for commercial (@ 10% of Permissible TDR F.A.R @1)	2,30,876.57 1,49,919.85 59,967.94 14,991.99 5,996.79
8.	Total Proposed F.A.R. Area For Phase I A. Residential F.A.R. Area B. Commercial F.A.R. Area	1,10,243.48 89,944.52 20,298.96
9.	Proposed 5% Facility Area of Phase I (Including Community Centre)	4,326.22
10.	Total Proposed NON F.A.R. Area of Phase I A. Basement 1	60,688.48 19,620.64

	B. Basement 2 C. Basement 3 D. Fire Stair Case E. L.T Panel Room F. Guard Room and Meter Room G. U.G Tank and STP H. Chabutra I. Garbage Collection Centre	27,336.15 8,483.88 3,164.58 1,528.330 30.740 326.16 66.00 132.00
11.	Total Built-up Area of Phase I (8+9+10)	1,75,258.18
12.	Total Proposed Dwelling Units in Phase I	849
13.	Height of the Highest Building of Phase I	60.0 m

5. Population details:

S. No.	Description		D.U./F.A.R.	PPU	Occupancy
1.	Residential Population				4,883
	General Flats		849	5	4,245
	Maintenance Staff		@5% of Residential Population		212
	Visitors		@ 10% 0f Residential Population		426
2.	Commercial Population				
	a.	Lower Ground and Ground Floor	8,815.39	@1Person/3 m^2	2,938
	Staff			@ 20%	588
	Visitors			@80%	2,350
	b.	First to Fourth Floor	11,483.57	@1 Person/6 m^2	1914
	Staff			@ 20%	383
	Visitors			@80%	1,531
Total Population (1 +2)					9,735

6. Water requirement details:

S. No.	Description	Occupancy	Rate of water demand (lpcd)	Total Water Requirement (KLD)
A.	Domestic Water			
(a)	Residents	4,245	86	365.07
(b)	Staff	1,183	30	35.49
(d)	Visitors	4,307	15	64.60
Total Domestic Water Demand				465.16 KLD say 465 KLD
B.	Horticulture	3,573 m^2	6 lt/sqm/day	21.43
GRAND TOTAL (A+B)				486.43 say 486 KLD

7. Solid waste generation details:

S. No.	Category	Norms (kg/c/day)	Total Waste (kg/day)
1.	Domestic Waste:		
	Residents (4,245)	@ 0.5	2,122.5
	Total Staff (1,183)	@ 0.25	292.75
	Total Visitors (4,307)	@ 0.15	646.05
2.	Landscape waste (0.88 acre)	@ 0.2 kg/acre/day	0.176
	TOTAL SOLID WASTE GENERATED		3,061.476 say 3,061 kg/day

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

RESOLUTION AGAINST AGENDA NO-14

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 alternatives 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.

15. Group Housing Project "Apex The Rio" at Khasra No.-526/2,Village-Kanawni, Ahinsa Khand-II, Ghaziabad., M/s Rio Heights Pvt. Ltd. File No. 4981 /Proposal No. SIA/UP/MIS/113366/2019

The committee noted that the matter was earlier discussed in 417th SEAC meeting dated 11/09/2019 and directed the project proponent to submit following information:

1. ECS should be as per norms.
2. Structure stability certificate should be provided and the case should be presented accordingly.
3. STP with capacity should be enhanced.
4. Organic waste converter should be provided.
5. Power backup should be lowered to minimize the burning of fossil fuels. Plans for the use of solar energy and energy conservation in the project should be provided.
6. 05 RWH pits should be proposed.

7. Plans for Katccha pond.

The project proponent submitted their replies through letter dated 10/01/2020. 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 Group Housing Project "Apex The Rio" at Khasra No.-526/2,Village-Kanawni, Ahinsa Khand-II, Ghaziabad., M/s Rio Heights Pvt. Ltd.
2. Salient features of the project:

Proposed Group Housing Project "Apex The Rio" Located at Khasra No. 526/2, Village Kanawani, Ahinsa Khand-II, Ghaziabad, Uttar Prdesh	
Tower A & B Tower-A: Basement 1, 2, & 3 + Stilt + 32nd Floor Tower-B: Basement 1, 2, & 3 + Stilt + 39th Floor	Parking required as per Building bye laws Total parking = 454 Proposed Parking = 798
Total Plot Area = 13,945 m^2 Built-up Area = (FAR +Non FAR): 1,12,231.37 m^2	Number of trees proposed for plantation = 174 No. of Trees Required @ 1 tree /80 sq. m of Plot Area (Trees including Periphery + Green Belt + Avenue Plantation)= 13,945/80; 174.31 i.e. 174
Investment = Rs. 195 Cr.	Total Water Demand = 144 KLD Freshwater Requirement = 92 KLD
Total Greenbelt Area = 4,221.615 m^2 (37.61% of total Plot Area)	Total waste water generation = 113 KLD
MBBR Technology	STP Capacity = 136 KLD
Power Requirement = 3500 KVA DG Sets = 3030 KVA (3X1010 KVA)	Total rain water Harvesting pits = 3
Solid waste: 334.5 kg / day Sludge: 19 kg/day	Internal Road Width = 6 mtr. wide
STP capacity	142 KLD

3. Area details of the project:

S. No	Area Statement	Area (in Sq.m)
1.	Total Plot Area	13,945.00
2.	Total Built up Area	112231.37
3.	Residential FAR	56883.28
	Facility Area added to FAR	4251.81
4.	Total FAR Proposed	61,135.08
5.	Proposed Ground coverage	2155.03
6.	Total Non FAR	51,096.28
	Facility	1743.12
	Balcony Area	15716.82
	Fire Stairs	2511.34
	Basement 1 Basement 2 Basement 3	10,375.00 10,375.00 10,375.00
7.	Road Area	3,346.74
8.	Open Area	8,443.23
9.	Green/Landscape Area (50% of open area)	4,221.615
10.	Building Height	120 m (Tallest Tower B)

4. Land use details:

S. No	Area Statement	Area (in Sq.m)
1	Proposed Ground coverage	2155.03
2	Road Area	3,346.74
3	Open Area	4,221.62
4	Green/Landscape Area (50% of open area & 37.61% of total Plot Area)	4,221.62

5. Details of building blocks:

S. No.	Description	No. of Floors	Dwelling units	Covered Area (Sq.m.)
1.	Tower A	Basement 1, 2 & 3 + Stilt + 32nd Floor	224	52935.99
2.	Tower B	Basement 1, 2 & 3 + Stilt + 39th Floor	78	26137.90

6. Parking details:

S. No.	As Per Building Bye Law	E.C.S.
1.	Parking Proposed:	798
	No. of Parking in Basement 1 32 Sq.m. per ECS (8500/32)	266 Nos.
	No. of Parking in Basement 2 32 Sq.m. per ECS (8500/32)	266 Nos.
	No. of Parking in Basement 2 32 Sq.m. per ECS (8500/32)	266 Nos.

7. Water requirement details:

S. No.	Description	Population/ Area	Unit water consumption Domestic	Total Water Requirement (KLD)	Water requirement for Domestic use (KLD)	Wastewater for Domestic use (KLD)	Flushing water Requirement (KLD)	Wastewater (KLD) of Flushing	Total Wastewater (KLD)	Recycle Water (KLD)
1	Main Dwelling units (Tower A+ Tower B)	1359 (302 Units)	86	116.874	81.81	65.449	35.06	35.06	100.509	39.938
2	Community Population	667	15	10.005	7	5.6	3	3	8.6	3
3	Visitors (10 % of the Residential Population)	136	15	2.04	1.428	1.14	0.612	0.612	1.752	0.612
4	Maintenance and Security Staffs	68 (@ 5% of residential population)	30	2.04	1.428	1.14	0.612	0.612	1.752	0.612
5	Horticulture	4,221.62 Sq.m.	3 litre/ sq.m of Landscape area	13	….	…	…	…	…	13
				143.959	91.66	73.329	39.284	39.284	112.6	56.55
				Say 144	Say 92	Say 73	Say 39	Say 39	113	Say 57
FRESH WATER = 92 KLD (Domestic Use)										
6	Fire Fighting	2x200	….		400*					

8. Waste water details:

Details	Water (KLD)
Water requirement for domestic purpose	92

Wastewater to be generated from domestic use (@ 80% of domestic water requirement)	73.6
Water requirement for Flushing Purpose	39.28
Wastewater to be generated from Flushing (@ 100% of flushing requirement)	39.28
Total Wastewater generated	113 KLD

9. Solid waste generation details:

S. No.	Category of Solid Waste	Waste Generated Rate	Formula	Total Population	Waste Generated (Kg/day)
1.	Dwellers + Visitor	0.1 to 0.3 kg/cap/day	Total Population *0.15	2230	334.5
Total					334.5

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

RESOLUTION AGAINST AGENDA NO-15

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 alternatives 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.

16. Expansion Group Housing "Panchsheel Pratistha" at Plot No.-GH-16, Sector-75, Noida., M/s Valuent Infra Developers Pvt. Ltd. File No. 4898 /Proposal No. SIA/UP/MIS/109070/2019

The committee noted that the matter was earlier discussed in 433rd SEAC meeting dated 21/11/2019 and directed the project proponent to submit following information:
"A presentation was made by the project proponent along with their consultant M/s Ambient Global Pvt. Ltd. The committee discussed the matter and found that a mismatch between structural design certificate, structural drawing and project description details submitted by the project proponent. The committee directed the project proponent to provide the correct structural design certificate of the project proposal.

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

The project proponent submitted their replies through letter dated 14/01/2020. A presentation was made by project proponent along with their consultant M/s Ambiental Global Pvt. Ltd. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for Expansion Group Housing "Panchsheel Pratistha" at Plot No.-GH-16, Sector-75, Noida., M/s Valuent Infra Developers Pvt.
2. The Environmental Clearance for the earlier project was issued by SEIAA, U.P. vide Letter No. 1858/Praya/SEAC/1733/2012/AD(Sub) dated October 12, 2013 for plot area 20,000 m^2 and built-up area 92,514.259 m^2 respectively.
3. Salient features of the project:

S.NO.	DESCRIPTION	PROPOSED
1	Plot Area	20,000.00 m^2
2	Built-up Area	95,821.322 m^2
3	Green Area	7,997.87 m^2 @ 39.98 % of Plot Area
4	Total Water Requirement	287 KLD
5	Fresh Water Requirement	167 KLD
6	Wastewater Generation	206 KLD
7	Capacity of STP	330 KLD
8	Solid Waste Generation	1,454 kg/day
9	Parking Required Parking Provided	718 ECS 796 ECS
10	Power Demand & Source	2,500 kVA (Noida Power Company Limited)
11	Power Back up	1,750 kVA (2 x 500 kVA + 1 x 750 kVA)
12	RWH Pits	5 pits
13	Total Project Cost	142 Crores
14	Expected Date of Completion of project	3 years

4. Comparative details for existing and expansion project:

S. No.	Description	As per Earlier EC	Post Expansion
		Area (m^2)	Area (m^2)
1.	Total Plot Area	20,000.00	20,000.00
2.	Permissible Ground Coverage	7,000.00 (@35% of plot area)	7,000.00 (@35% of plot area)
3.	Proposed Ground Coverage	5,067.79 (@25.33% of plot area)	5,165.03 (@25.83% of plot area)
4.	Total Permissible FAR 1. Permissible FAR for housing	55,000 55,000	62,507.5 55,000

	2. Purchasable FAR for housing	Nil (as per 2.75)	2,441.44 (as per 2.88)
5.	Total Proposed F.A.R. 1. Residential F.A.R. 2. Commercial F.A.R. 3. Meter Room 4. Community Hall	54,997.91 53,917.15 549.82 Nil 530.94	57,441.44 56,869.00 549.30 23.14 Nil (included in Service Area)
6.	Total Non F.A.R. 1st Basement 2nd Basement	30,410.19 15,205.095 15,205.095	30,318.52 15,159.29 15,159.29
7.	Total Service Area (Including Guard Room and Mumty & Machine Room)	7,106.159	8,061.362 (Including Community Hall)
8.	Total Built-Up Area (5+6+7)	92,514.259	95,821.322
9.	Landscape Area	7,997.87 (@39.98 % of Plot Area)	7,997.87 (@39.98 % of Plot Area)
10.	Total Open Area	14,932.21 (@74.66 % of Plot Area)	14,834.97 (@74.17 % of Plot Area)
11.	Total Proposed Units	548	568
12.	Height of the Highest Building	64.4 m	64.4 m

5. Water requirement details:

S. No.	Description	Occupancy	Rate of water demand(lpcd)	Total Water Requirement (KLD)
A.	Domestic Water			
1)	Residential Population			
	Residents	2556	86	219.8
	Maintenance Staff	128	30	3.84
	Visitor/Floating	256	15	3.84
2)	Commercial Shops			
	Staff	37	30	1.11
	Visitors	146	15	2.19
3)	Community Hall			
	Staff	86	30	2.58
	Visitors	344	15	5.16
	Total Domestic Water Demand			238.52 say 239 KLD
B.	Horticulture	7,997.87	6 lt./m^2/day	48
Total Water Requirement (A + B)				287 KLD

Description	As Per Earlier EC	Post Expansion
Total Water Requirement	249 KLD	287 KLD
Fresh Water Requirement	156 KLD	167 KLD
Waste Water Generation	210 KLD	206 KLD
STP Capacity	250 KLD	330 KLD

6. Solid waste generation details:

S. No.	Category	Kg/Capita/Day	Waste generated (kg/day)
1.	Residents	2,556 @ 0.5 kg/day	1,278
2.	Staff (Maintenance + Convenient shops + Community Centre)	251 @ 0.25 kg/day	62.75
3.	Visitors	746 @ 0.15 kg/day	111.90
4.	Landscape waste (1.97 acres)	@ 0.2 kg/acre/day	0.40
TOTAL SOLID WASTE GENERATED			1,453.05 say 1,454 kg/day

7. Parking details:

Description	As Per Earlier EC	Post Expansion
Parking Required	688 ECS	718 ECS

Parking Proposed	742 ECS	796 ECS

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

RESOLUTION AGAINST AGENDA NO-16

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 alternatives 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.

17. "Gomti River Front Channelization Project from Harding to Gomti Weir, Lucknow. M/s Irrigation and Water Resource Department, U.P., Lucknow. File No. 4206 /Proposal No. SIA/UP/NCP/23723/2018

The committee noted that the matter was earlier discussed in 432th SEIAA Meeting dated 20/11/2019 and directed is as the follows:

"The project proponent submitted their replies through letter dated 18/11/2019. A presentation was made by the project proponent along with their consultant M/s Voyants. The committee gone through the file and not satisfied with the reply submitted by the project proponent/consultant. The committee advised the project proponent to contact the CPCB/UPPCB for the analysis of aquatic ecology (up-stream, project site and down-stream) of the river."

The project proponent submitted a copy of the Regional Office, Central Pollution Control Board, Lucknow letter no. RD(N)/Tech/2019-20/1494 dated 07/01/2020 through which they have informed that CPCB is not conducting bio monitoring/ecology study of Gomti River and no secondary data available. The project proponent informed that he was again conducted the additional Biological study of the project area in winter Season. The project proponent also submitted a copy of bio monitoring study report of river Gomti issued by UP Pollution Control Board, Lucknow vide letter no. H46615/UPPCB/CL/11Bio-monit/Vol-II/2020 dated 21/01/2020.

The committee discussed the matter in the light of documents submitted by the project proponent and presentation made by before SEAC, recommended to grant the environmental clearance alonwith general and specific conditions stipulated in 378th SEAC meeting dated 20/12/2018. The committee also stipulated following additional condition:

1. The project proponent should carried out regular half yearly bio monitoring of the Gomti River and compared with the baseline monitoring for the impact of the project on river ecology and the report submitted to SEIAA, UP & UPPCB, Lucknow.

18. Sand mining from Betwa River bed at khand No.-11/4, Village-Ramedi, Hamirpur, U.P., (Leased Area-17.408 Ha.), M/s Indus Mines and Minerals. File No. 5444 /Proposal No. SIA/UP/MIN/50177/2020

A presentation was made by the 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 Sand mining from Betwa River bed at khand No.-11/4, Village-Ramedi, Hamirpur, U.P., (Leased Area-17.408 Ha.), M/s Indus Mines and Minerals.
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/50177/2018
2. File No. allotted by SEIAA, UP	5444
3. Name of Proponent	M/s Indus Mines and Minerals Proprietor - Shri Vikas Parmani
4. Full correspondence address of proponent and mobile no.	M/s Indus Mines and Minerals Proprietor - Shri Vikas Parmani S/o Shri H. Parmani, R/o- E-7 HIG 441 arera colony, Huzur , R.S .Nagar, Bhopal.
5. Name of Project	Sand/morrum Mining
6. Project location (Plot/Khasra/Gata No.)	Khand No. 11/4
7. Name of River	Betwa River
8. Name of Village	Ramedi

9. Tehsil	Sadar
10. District	Hamirpur
11. Name of Minor Mineral	Sand/morrum Mining
12. Sanctioned Lease Area (in ha)	17.408 ha
13. Mineable Area (in ha)	10.508 ha
14. Zero level mRL	91 mRL
15. Max. & Min mrl within lease area	98 mRL and 92 mRL
16. Pillar Coordinates (Verified by DMO)	

Pillars	Latitude	Longitude
Sanctioned Lease Area		
A	25°56'13.97"N	80° 9'45.81"E
B	25°56'3.22"N	80° 9'56.33"E
F	25°56'1.91"N	80° 9'54.79"E
G	25°55'56.01"N	80° 9'47.94"E
C	25°55'53.69"N	80° 9'45.23"E
H	25°56'0.32"N	80° 9'40.90"E
D	25°56'6.26"N	80° 9'35.65"E
E	25°56'8.45"N	80° 9'38.51"E
Workable Area in North		
A	25°56'13.97"N	80° 9'45.81"E
B	25°56'3.22"N	80° 9'56.33"E
F	25°56'1.91"N	80° 9'54.79"E
E	25°56'8.45"N	80° 9'38.51"E
Workable Area in South		
G	25°55'56.01"N	80° 9'47.94"E
C	25°55'53.69"N	80° 9'45.23"E
H	25°56'0.32"N	80° 9'40.90"E
Non Workable Area		
D	25°56'6.26"N	80° 9'35.65"E
E	25°56'8.45"N	80° 9'38.51"E
F	25°56'1.91"N	80° 9'54.79"E
G	25°55'56.01"N	80° 9'47.94"E
H	25°56'0.32"N	80° 9'40.90"E

17. Total Geological Reserves	6,96,320 m^3
18. Total Mineable Reserves in LOI	2,78,502 m^3/year
19. Total Proposed Production	2,78,502 m^3/year (11,14,008 m^3 in 05 years)
20. Proposed Production/year	2,78,502 m^3
21. Sanctioned Period of Mine lease	5 years
22. Production of mine/day	1013 m^3/day
23. Method of Mining	Opencast Semi mechanized
24. No. of working days	275 days
25. Working hours/day	12 hours
26. No. Of workers	Approximately 65 labours
27. No. Of vehicles movement/day	68 units
28. Type of Land	Government Waste Land (Revenue land)
29. Ultimate Depth of Mining	3 m
30. Nearest metalled road from site	MDR(Kuchhechha – Dallar Road) - 1.1 km*(SE)
31. Water Requirement	

PURPOSE	REQUIREMENT (KLD)
Drinking	1.37
Suppression of dust	27.36
Plantation	0.044
Others (Stored water)	0.10
Total	28.87 KLD

32. Name of QCI Accredited Consultant with QCI No and period of validity.	ENV Development Assistance Systems (I) Pvt. Ltd. NABET/EIA/1720/RA 0078 and Valid till 02/04/2020.
33. Any litigation pending against the project or land in	None

any court	
34. Details of 500 m Cluster Map & certificate verified by Mining Officer	
35. Details of Lease Area in approved DSR	Page No 61; Table No. 20
36. Proposed CSR cost	2% of total project cost i.e. Rs.25,87,623/-
37. Proposed EMP cost & Total Project Cost	Rs. 53,08,112 & Rs. 12,93,81,130/-
38. Length and Width of Haul Road	Unpaved Length 1.71 km and Paved Length 4.62 km and 6 meters wide
39. No. of trees to be planted	130

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

RESOLUTION AGAINST AGENDA NO-18

The committee discussed the matter and recommended to issue the terms of reference (TOR) for the preparation of EIA as annexed at annexure-1 to these minutes. The committee also stipulated following points:

1. Khasra map verified by District Mining Officer.
2. Cluster certificate.

19. Sand/Morrum Mining from Betwa River bed at Gata No.-1396Ga, Khand No.-1,Village-Bhedi Khurd, Kalpi, Jalaun., M/s Mankameshwar Infrastructure, (Leased Area-20.42 Ha.). File No. 5448/Proposal No. SIA/UP/MIN/50226/2020

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

1. The environmental clearance is sought for Sand/Morrum Mining from Betwa River bed at Gata No.-1396Ga, Khand No.-1,Village-Bhedi Khurd, Kalpi, Jalaun., M/s Mankameshwar Infrastructure, (Leased Area-20.42 Ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/50226/2020
2.	File No. allotted by SEIAA, UP	5448
3.	Name of Proponent	Shri Nirmal Kant Tiwari
4.	Full correspondence address of proponent and mobile no.	Shri Nirmal Kant Tiwari R/o 204, Budhauliyana Rath, District- Hamirpur (U.P.)
5.	Name of Project	Proposed riverbed Sand/Morrum mining project from Betwa River for M/s Mankameshwar Infrastructure
6.	Project location (Plot/Khasra/Gata No.)	Gata No. 1396 G, Khand No. 01
7.	Name of River	Betwa
8.	Name of Village	Bhedikhurd
9.	Tehsil	Kalpi
10. District		Jalaun, Uttar Pradesh
11. Name of Minor Mineral		Sand/ Morrum
12. Sanctioned Lease Area (in Ha.)		20.242 ha

13. Mineable Area (in Ha.)	15.624 ha
15. Max & Min mRL within lease area	Max- 104.1 mRL Min- 97 mRL.
16. Pillar Coordinates (Verified by DMO)	Pillar No / N / E A / 25°53'44.50"N / 79°50'6.24"E B / 25°53'32.94"N / 79°50'26.07"E C / 25°53'23.20"N / 79°50'19.47"E D / 25°53'37.83"N / 79°50'1.86"E
17. Total Geological Reserves	4,79,150 Cum
18. Total Mineable Reserves	3,03,630 cum
19. Total Proposed Production (in five year)	15,18,150 m3
20. Proposed Production/year	3,03,630 cum
21. Sanctioned Period of Mine lease	5 years
22. Production of mine/day	1167.8 MT
23. Method of Mining	Semi-mechanized
24. No. of working days	260 days
25. Working hours/day	8 hours
26. No. Of workers	133
28. Type of Land	Government Land
29. Ultimate Depth of Mining(1-5 year)	2.2 m
30. Nearest metalled road from site	5.1 km (W)
31. Water Requirement	Purpose / Water Requirement (KLD) Dust Suppression / 11.4 Drinking / 3.015 Green Belt / 0.05061 Total / 14.465 KLD
32. Name of QCI Accredited Consultant with QCI No and period of validity.	Cognizance Research India Pvt. Ltd. 1922, validity= 03-02-2022
33. Any litigation pending against the project or land in any court	No
34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No- 590/Khanij-M.M.C-30
35. Details of Lease Area in approved DSR	Details of lease area is given in DSR
36. Length and breadth of Haul Road	Length: 0.950 km, width: 6 m
37. No. of Trees to be Planted	101 plants

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

RESOLUTION AGAINST AGENDA NO-19

For the preparation of EIA report, the request was made by the project proponent to consider the baseline data for the period of December to February, 2019 vide letter dated 01/10/2019. The committee discussed the matter and concurred with the request and recommended to issue the terms of reference (TOR) for the preparation of EIA as annexed at annexure-1 to these minutes. The committee also stipulated following points:

1. Composite map with intermediate coordinates verified by District Mining Officer.

20. Sand Mining from Betwa River Bed at Khand No.-19/4,Village- Teekapur, Maudaha, Hamirpur., M/s Kanhaiyan Lal and Sons, (Leased Area-29.554 ha). File No. 5469/Proposal No. SIA/UP/MIN/49840/2020

A presentation was made by the 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 Sand Mining from Betwa River Bed at Khand No.-19/4,Village- Teekapur, Maudaha, Hamirpur., M/s Kanhaiyan Lal and Sons, (Leased Area-29.554 ha).
2. Salient features of the project as submitted by the project proponent:

<table>
<tr><td>1. On-line proposal No.</td><td>SIA/UP/MIN/49840/2020</td></tr>
<tr><td>2. File No. allotted by SEIAA, UP</td><td>5469</td></tr>
<tr><td>3. Name of Proponent</td><td>M/s Kanhaiyalal And Sons
Authorized Signatory- Shri Dushyant Singh S/o Shri Udaypal Singh</td></tr>
<tr><td>4. Full correspondence address of proponent and mobile no.</td><td>M/s Kanhaiyalal And Sons
Proprietor- Shri Umesh Chandra Bansal S/o Shri Kailash Narayan Bansal, R/o Ward No. 08, Near Radha Krishna Temple, Tehsil - Porsa, District - Morena, M.P.</td></tr>
<tr><td>5. Name of Project</td><td>Sand/Morrum Mining</td></tr>
<tr><td>6. Project location (Plot/Khasra/Gata No.)</td><td>Khand No. 19/4</td></tr>
<tr><td>7. Name of River</td><td>Betwa</td></tr>
<tr><td>8. Name of Village</td><td>Teekapur</td></tr>
<tr><td>9. Tehsil</td><td>Maudaha</td></tr>
<tr><td>10. District</td><td>Hamirpur</td></tr>
<tr><td>11. Name of Minor Mineral</td><td>Sand/Morrum</td></tr>
<tr><td>12. Sanctioned Lease Area (in ha)</td><td>29.554 ha</td></tr>
<tr><td>13. Mineable Area (in ha)</td><td>24.254 ha</td></tr>
<tr><td>14. Zero level mRL</td><td>94 mRL</td></tr>
<tr><td>15. Max. & Min mrl within lease area</td><td>101 mRL and 98 mRL</td></tr>
<tr><td>16. Pillar Coordinates (Verified by DMO)</td><td>
<table>
<tr><td colspan="3">Sanctioned Area</td></tr>
<tr><td>Points</td><td>Latitude</td><td>Longitude</td></tr>
<tr><td>A</td><td>25°54'5.70"N</td><td>79°58'31.67"E</td></tr>
<tr><td>B</td><td>25°54'23.48"N</td><td>79°58'41.65"E</td></tr>
<tr><td>C</td><td>25°54'9.92"N</td><td>79°58'55.52"E</td></tr>
<tr><td>D</td><td>25°53'55.49"N</td><td>79°58'41.90"E</td></tr>
<tr><td colspan="3">Workable Area</td></tr>
<tr><td>A</td><td>25°54'5.70"N</td><td>79°58'31.67"E</td></tr>
<tr><td>F</td><td>25°54'16.12"N</td><td>79°58'37.56"E</td></tr>
<tr><td>E</td><td>25°54'1.92"N</td><td>79°58'47.97"E</td></tr>
<tr><td>D</td><td>25°53'55.49"N</td><td>79°58'41.90"E</td></tr>
<tr><td>G</td><td>25°54'17.92"N</td><td>79°58'38.52"E</td></tr>
<tr><td>B</td><td>25°54'23.48"N</td><td>79°58'41.65"E</td></tr>
<tr><td>C</td><td>25°54'9.92"N</td><td>79°58'55.52"E</td></tr>
<tr><td>H</td><td>25°54'7.07"N</td><td>79°58'52.79"E</td></tr>
<tr><td colspan="3">Non Workable Area</td></tr>
<tr><td>F</td><td>25°54'16.12"N</td><td>79°58'37.56"E</td></tr>
<tr><td>G</td><td>25°54'17.92"N</td><td>79°58'38.52"E</td></tr>
<tr><td>H</td><td>25°54'7.07"N</td><td>79°58'52.79"E</td></tr>
<tr><td>E</td><td>25°54'1.92"N</td><td>79°58'47.97"E</td></tr>
</table>
</td></tr>
<tr><td>17. Total Geological Reserves</td><td>14,77,700 m^3</td></tr>
<tr><td>18. Total Mineable Reserves in LOI</td><td>4,72,806 m^3/year</td></tr>
<tr><td>19. Total Proposed Production</td><td>4,72,806 m^3/year (23,64,030 m^3 in 05 years)</td></tr>
<tr><td>20. Proposed Production/year</td><td>4,72,806 m^3</td></tr>
</table>

21. Sanctioned Period of Mine lease	5 years	
22. Production of mine/day	1720 m^3/day	
23. Method of Mining	Opencast Semi mechanized	
24. No. of working days	275 days	
25. Working hours/day	12 hours	
26. No. Of workers	Approximately 72 labours	
27. No. Of vehicles movement/day	115 units	
28. Type of Land	Non – Agricultural, Government Waste Land (Revenue land)	
29. Ultimate Depth of Mining	3 m	
30. Nearest metalled road from site	SH 42 (Hamirpur – Jhansi Road) : 6.8 km* (SE)	
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking	1.70
	Suppression of dust	33.28
	Plantation	0. 074
	Others (Stored water)	0.10
	Total	35.16 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 Hamirpur Letter No.1701 /khanij-M-M-C- Tees- Vividh (2019-20) dated 10/12/2019	
35. Details of Lease Area in approved DSR	Page No 63; Table No.20	
36. Proposed CER cost	2% of total project cost i.e. Rs.36,34,100/-	
37. Proposed EMP cost/ Total Project Cost	Rs 62,58,944/- & 18,17,04,900/-	
38. Length and Width of Haul Road	Unpaved Length 2.08 km and Paved Length 17.24 km and 6 m width	
39. No. of Trees to be Planted	221	

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

RESOLUTION AGAINST AGENDA NO-20

The committee discussed the matter and recommended to issue the terms of reference (TOR) for the preparation of EIA as annexed at annexure-1 to these minutes. The committee also stipulated following points:

1. Khasra map verified by District Mining Officer.

21. Proposed of "TCS Noida IT SEZ Campus" at Plot No.-01,Sector- 157, Noida, District-GautamBudha Nagar, U.P., M/s Tata Consultancy Services. File No. 5543/Proposal No. SIA/UP/MIS/51418/2019

RESOLUTION AGAINST AGENDA NO-21

The minutes of the above project was already issued by SEAC and forwarded to SEIAA for necessary action.

22. Group Housing Project at Plot No.-GH-2B, Sector- 12, Greater Noida, District- Gautam Buddha Nagar, U.P., M/s SAG Realtech Pvt. Ltd. File No. 4905-A/Proposal No. SIA/UP/MIS/ 109534/2019

The committee noted that the matter was earlier discussed in 412th SEAC meeting dated 24/07/2019 and directed is as follows:

> "A presentation was made by project proponent along with their consultant M/s Ind Tech House Consult. The committee discussed the matter and decided that a site visit shall be undertaken by Shri Meraj Uddin, Member, SEAC and Dr. Pramod Kumar Mishra, Member, SEAC within 15 days and site visit report should be submitted before SEAC. The matter shall be discussed after receipt of site visit report."

A site visit was undertaken by the committee of Shri Pramod Kumar Mishra, Member, SEAC and Shri Meraj Uddin, Member, SEAC on 10/10/2019. The inspection committee made the following observations:

1- No construction has taken place at the site.
2- The site is barren and partly covered with natural vegetation particularly grasses.

The inspection report was put up by the Secretariat in SEAC meeting dated 28/02/2020. A presentation was made by the project proponent along with their consultant M/s Ind Tech House Consult. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for Group Housing Project at Plot No.-GH-2B, Sector- 12, Greater Noida, District- Gautam Buddha Nagar, U.P., M/s SAG Realtech Pvt. Ltd.
2. Salient features of the project:

Sl. No.	Description	Quantity	Unit
GENERAL			
1	Plot Area	18000	SQMT
2	Proposed Built Up Area	98024.294	SQMT
3	Number of Building Blocks	8 (6+2)	No.
4	Total no of Saleable DU's	838	No.
5	Max Height of Building (Upto Terrace)	70.65	M
6	Max No of Floors	B+S/PO+22	No.
7	Expected Population (3771 Residential+639 Floating)	4410	No.
8	Cost of Project	175	CR
AREAS			
9	Permissible Ground Coverage Area (35%)	6300.00	SQMT
10	Proposed Ground Coverage Area (23.03%)	4146.176	SQMT
11	Permissible FAR Area (350)	63000	SQMT
12	Proposed FAR Area (349.9)	62984.15	SQMT
13	Non FAR areas - Basement Area	14430.24	SQMT
14	Other Non FAR areas (Addl FAR+Stilt etc)	12703.16	SQMT
15	Non FAR areas - Podium area	7906.04	SQMT
WATER			
17	Total Water Requirement	353.66	KLD
18	Fresh water requirement	255.83	KLD
19	Treated Water Requirement	97.83	KLD
20	Waste water Generation	287.50	KLD
21	Proposed Capacity of STP	345	KLD
22	Treated Water Available for Reuse	230	KLD
23	Treated Water Recycled	97.83	KLD
24	Surplus treated water to be discharged in Municipal Sewer	132.17	KLD
RAIN WATER HARVESTING			

25	Rain Water Harvesting Potential	2746.41	KL
26	No of RWH of Pits Proposed	4	No.
PARKING			
27	Total Parking Required as / Building Bye Laws	787	ECS
28	Proposed Total Parking	869	ECS
29	Parking on Surface	134	ECS
30	Stilt Parking & Podium Parking	363	ECS
31	Parking in Basements	372	ECS
GREEN AREA			
32	Required Green Area (38.48% of plot area)	6926.912	SQMT
33	Proposed Green Area (38.58% of plot area)	6944.781	SQMT
WASTE			
34	Total Solid Waste Generation	1.96	TPD
35	Organic waste	1.18	TPD
36	Quantity of E-Waste Generation- Kg/Day	12.91	KG/DAY
37	Quantity of Hazardous waste Generation	1.01	LPD
38	Quantity of Sludge Generated from STP	193	KG/DAY
ENERGY			
39	Total Power Requirement	2500	KVA
40	DG set backup	1500	KVA
41	No of DG Sets	2	No.

3. Water requirement details:

	POPULATION/ AREA/UNIT	RATE IN LTS	TOTAL QTY IN KL
RESIDENTIAL			
DOMESTIC	3771	65	245.12
FLUSHING	3771	21	79.19
NON RESIDENTIAL (Working)			
DOMESTIC	126	25	3.14
FLUSHING	126	20	2.52
VISITORS			
DOMESTIC	513	5	2.57
FLUSHING	513	10	5.13
TOTAL POPULATION	4410		
GARDENING	6945	1	6.94
	KVA		
D G COOLING	1500	0.9	4.05
SWIMMING POOL/WATER BODY	1		5
TOTAL WATER REQUIREMENT			353.66

- Estimated waste water Generation: 288 KLD
- Proposed treatment methodology : MBBR
- Proposed STP (Capacity): 345 KLD
- Treatment up to tertiary level.
- STP shall have power back-up for uninterrupted operation during power failure.
- Treated waste water will be used for flushing, DG cooling & gardening.

4. Parking details:

Description	No. of Parking	Unit
Total Parking Required as / Building Bye Laws	787	ECS
Proposed Total Parking	869	ECS
Parking on Surface	134	ECS
Stilt Parking & Podium Parking	363	ECS
Parking in Basements	372	ECS

5. Solid waste generation details:

Waste Category	Quantity	Unit

Total Solid Waste Generation	1.96	TPD
Organic waste	1.18	TPD
Quantity of E-Waste Generation- Kg/Day	12.91	KG/DAY
Quantity of Hazardous waste Generation	1.01	LPD
Quantity of Sludge Generated from STP	193	KG/DAY

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

RESOLUTION AGAINST AGENDA NO-22

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 alternatives 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.

(Dr. Sarita Sinha)
Member

(Dr. Virendra Misra)
Member

(Dr. Pramod Kumar Mishra)
Member

(Dr. Ranjeet Kumar Dalela)
Member

(Prof. S.K. Upadhyay)
Member

(Shri Meraj Uddin)
Member

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

Annexure-1

Terms of Reference for the Mining Project

1) Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994.
2) A copy of the document in support of the fact that the proponent is the rightful lessee of the mine should be given.
3) All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
4) All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/ toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
5) Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
6) Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
7) It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/ violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large, may also be detailed in the EIA Report.
8) Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.
9) The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.
10) Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
11) Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.
12) A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State

Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.

13) Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
14) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
18) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled- I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
19) Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.
20) Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL. HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).
21) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.

22) One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)]primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given.

23) Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.

24) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.

25) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.

26) Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.

27) Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.

28) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.

29) Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be brought out.

30) Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.

31) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given.The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.

32) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load.

Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.

33) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.

34) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.

35) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.

36) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.

37) Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.

38) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.

39) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.

40) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.

41) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.

42) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.

43) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.

44) Besides the above, the below mentioned general points are also to be followed:-

a) Executive Summary of the EIA/EMP Report

b) All documents to be properly referenced with index and continuous page numbering.

c) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.

d) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.

e) Where the documents provided are in a language other than English, an English translation should be provided.

f) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.

g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August,

2009, which are available on the website of this Ministry, should be followed.

h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.

i) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.

j) The EIA report should also include: (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.