Minutes of 561st SEAC Meeting Dated 24/08/2021

The 561st meeting of SEAC-2 was held in hybrid (physical and virtual) through video conferencing in view of the Corona Virus Disease (Covid-19) on 24/08/2021. Following members participated in the meeting:

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

The Chairman welcomed the members to the 561st SEAC meeting which was conducted online. The SEAC-2 unanimously took following decisions on the agenda points discussed in meeting :

1. Production of MS Billets/Ingot 118800 MT/year through Induction Furnace Route at Khasra No.-530, 7th Km Stone, Bhopa Road, District- Muzaffarnagar., M/s Shree Sidhbali Steels Pvt. Ltd.(Unit-2). File No. 6358/Proposal No. SIA/UP/IND/62998/2021

RESOLUTION AGAINST AGENDA NO-01

The committee noted that the project proponent/consultant did not present NABET/QCI certificate. Hence, the committee decided to defer the matter due to non-availability of NABET/QCI certificate.

2. Establishment of New 80 KLD Grain/ Molasses Based Distillery Unit (RS/ENA/AA) along with 3.0 MW Co.-Generation Power Plant at Khasra No.- 612/1, 564, 565, 566, 567, 589/1, 590, 600/1, 601, 602, 603, 604, 605/1, 606/1, 613/2, in Village- Derabarari, Tehsil- Bara, Prayagaraj, U.P., M/s Mahakaushal Agri Crop India Pvt. Ltd. File No. 6055/Proposal No. SIA/UP/IND2/59292/2020

RESOLUTION AGAINST AGENDA NO-02

The project proponent requested to defer the matter in next SEAC meeting. The SEAC discussed the letter and directed to defer the matter as per request made by the project proponent. The file shall not be treated as pending at SEAC. The matter will be discussed only after submission of online request on prescribed online portal.

3. Formaldehyde Manufacturing Unit-39600 MT/Annum (120.0MT/day) at Plot No.- 41, Bhojipura Industrial Area, Tehsil & District- Bareilly, U.P., M/s Bhagwati Udyog. File No. 6428/Proposal No. SIA/UP/IND2/64366/2021

RESOLUTION AGAINST AGENDA NO-03

The project proponent appeared before the committee but they don't have much aware about the project proposal. Hence, the committee directed to defer the matter due to absence of any responsible person from project proponent side. The matter will be discussed only after submission of online request on prescribed online portal.

4. Construction of Institutional Building at Plot No.- A 45 TO A 52 & A 56 TO 63, Sector-153, Noida, District- GautamBudh Nagar, U.P., Shri Sumit Sardana, M/s Rail Vikas Nigam Ltd. File No. 6440/Proposal No. SIA/UP/MIS/211928/2021

RESOLUTION AGAINST AGENDA NO-04

The committee noted that the project proponent/consultant has not submitted the hard copy of the project proposal in Secretariat. Hence, the committee directed to defer the matter due to non-submission of hard copy of the project proposal.

5. Proposed IT/ITES Park at Plot No.- A-37-38, Sector- 62, Noida, Gautam Buddha Nagar, U.P., M/s Chambal Trading Pvt. Ltd. File No. 6452/Proposal No. SIA/UP/MIS/220198/2021

RESOLUTION AGAINST AGENDA NO-05

A presentation was made by the project proponent along with their consultant M/s Ascenso Enviro Pvt. Ltd. The committee discussed the matter and directed the project proponent to submit following information:

1. Revised water balance diagram.
2. Revised waste water treatment plan.

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

6. Expansion for Manufacturing of Formaldehyde under Synthetic Organic Chemicals at B-62-63, UPSIDC Industrial Area, M.G. Road, District-Hapur U.P. M/s KGS Organics. File No. 6464/Proposal No. SIA/UP/IND3/66012/2021

RESOLUTION AGAINST AGENDA NO-06

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

7. Clinker Grinding Unit WITH Cement Production Capacity of 2.0 Million TPA and D.G. Sets (1250 KVA & 125 KVA)at Village- Ingotha,Pargana- Sumerpur, Hamirpur., M/s Jaykaycem (Central) Ltd. File No. 6109/Proposal No. SIA/UP/IND/59622/2021

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 Proposed Cement (Clinker) Grinding Unit Capacity - 2.0 Million TPA (7200 TPD PPC/OPC/PSC/Composite Cement) and D.G. Sets (1250 kVA & 125 kVA) at Village – Ingotha, Pargana - Sumerpur, District – Hamirpur (UP), M/s Jaykaycem (Central) Works {A Unit of Jaykaycem (Central) Ltd.
2. Terms of reference in the matter were issued by SEAC, UP, vide Ref no 08/Parya/SEIAA/ 6109/2020 dated 6th April 2021.

3. Public hearing was organized on 06th July 2021. Final EIA report submitted by the project proponent on 28th July 2021.
4. Project Site details:

S. No.	Particulars	Details				
1	Nature and Size of Project	Products	Proposed Capacity			
		Cement (Million TPA)	2.00 (7200 TPD)			
		D.G. Sets (kVA)	1250 & 125			
2	Category of the Project	As per EIA Notification dated 14th September, 2006; as amended from time to time; the project falls under Category "B", Project or Activity '3(b)' - Cement Plants				
3	Locations Details					
	Khasra No	1731, 1732, 1735 & 1737 K				
	Village	Ingotha				
	Tehsil & District	Hamirpur				
	State	Uttar Pradesh				
	Latitude	25°46'20.63"N				
	Longitude	80° 7'49.63"E				
	Toposheet No	63C/1, 63C/2, 63C/5 & 63C/6				
4	Area Details					
	Total Plot Area	10.6610 ha (26.33 Acre)				
	Greenbelt / Plantation Area	3.52 ha (~ 33.03% of the total project area)				
		33.03 % of the project area will be covered under Greenbelt / Plantation.				
5	Project Cost	Rs 285 Crores				
6	Cost for Environment Management plan	• Capital Cost - Rs. 14.25 Crores • Recurring Cost - Rs. 0.50 Crores / Annum				
7	Nature and Size of Project	Products	Proposed Capacity			
		Cement Production Capacity	2.00 Million TPA (7200 TPD)			
		D.G. Sets (kVA)	1250 & 125			
8	Total project area	10.6610 Ha (26.33 Acres)				
9	Total project cost	Rs. 285.00 Crores				
10	No of working days	330 Days /Annum				
11	Raw material and its Quantity	Raw Materials Requirement - (90 % PPC)				
		Clinker (60%) : 10,80,000 TPA	Gypsum (5%) : 90,000 TPA	Fly ash (35%): 6,30,000 TPA		
		Raw Materials Requirement - (10 % OPC)				
		Clinker (95%) : 1,90,000 TPA	Gypsum (5%) : 10,000 TPA			
		Raw Materials Requirement - (10 % PSC)				
		Clinker (45%): 90,000 TPA	Gypsum (5%): 10,000 TPA	Slag (50%): 1,00,000 TPA		
		Raw Materials Requirement - (10 % Composite Cement)				
		Clinker (40%): 80,000 TPA	Gypsum (5%): 10,000 TPA	Fly ash (20%): 40,000 TPA	Slag (30%): 60,000 TPA	Limestone (5%): 10,000 TPA
12	Fuel Requirement	Name of the Fuel	Quantity Required	Remarks		
		Coal	10 TPH	Hot Air Generator		
		Diesel	500 LPH			
		FO	500 LPH			
		Diesel	60 LPH	D.G Sets		
13.	Fresh Water Requirement	Mill Spray	Cooling water	Domestic	Green Belt	
		130 KLD	50 KLD	10 KLD	10 KLD	

		Total water requirement : 200 KLD Sources : Bore well at the site
8.	Man Power Requirement	200 Persons; out of which, 50 will be permanent and 150 will be temporary.
9.	Power Requirement	14 MVA (10 MVA -Mill Operation and 4.0 MVA rest part of the plant) Source: Uttar Pradesh Power Corporation Ltd. (UPPCL).
10.	Waste Water Generation	No waste water will be discharge from the proposed plant (ZLD)
11.	Emission sources and Pollution Control Measures	Fugitive emission control: Bag Filters at all material transfer points (PM Level < 30 mg/Nm^3) Major Stack: Cement Mill Baghouse, PM Level < 30 mg/Nm^3 & Stack Height: 45 meters

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

RESOLUTION AGAINST AGENDA NO-07

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

I. Allergy test should also be included in health checkup of works.
II. 02 nos. of Organic waste convertor of 15 ton capacity each should be installed.
III. Project proponent should submit the plan for bird conservation and their habitats.
IV. Transportation plan should be submitted within 03 months.
V. 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.

VI. 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

VII. 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.

VIII. 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.

IX. 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.

X. 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).

XI. 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.

XII. 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.

XIII. 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.

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

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

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

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

xiv. The Ministry reserves the right to stipulate additional conditions if found necessary.
xv. The Company in a time bound manner shall implement these conditions.
xvi. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring 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.

8. Commercial Project "Lulu Mall" at Plot No. T4A, T-5, IBB-2, Sushant Golf City, Shaheed Path, Village-Hariharpur, Tehsil-Sarojininagar, Lucknow., M/s Lulu India Shopping Mall Pvt. Ltd. File No. 6467/Proposal No. SIA/UP/MIS/66094/2021

The committee was informed that an application dated 28/07/2021 (Proposal No. SIA/UP/MIS/66094/2021) was made by the project proponent M/s Lulu India Shopping Mall Pvt. Ltd. for environmental clearance of Commercial Project "Lulu Mall" at Plot No. T4A, T-5, IBB-2, Sushant Golf City, Shaheed Path, Village-Hariharpur, Tehsil-Sarojininagar, Lucknow under violation category as per procedure laid down in MoEF&CC, Govt. of India Office Memorandum dated 7th July, 2021 regarding standard operating procedure (SoP) for identification and handling of violation cases under EIA Notification, 2006.

The committee was also informed that approximately 85% of construction work has already been completed by the project proponent without obtaining prior environmental clearance and Rs. 921.72 Crore has been invested in the project as per Chartered Accountant Certificate submitted by the project proponent.

The committee observed that as per clause 12 a (i) of OM No. F.N. 22-21/2020-IA.III dated 07/07/2021 under Penalty provisions for violation cases and applications: For New Projects: Where operation has not commenced: 1% of the total Project Cost incurred upto the date of filing of application along with EIA/EPM Report has to be imposed on the project proponent. However as per clause 12.2 of OM Dated 07/07/2021 the percentage rates, as above, shall be halved if the PP suo-moto reports the such violation without such violations coming to the knowledge of the Government either on inquiry or complaint.

The committee was informed by the Nodal Officer that as per records available with Directorate and written communication by all concerned in the directorate, no complaint has been received in the Directorate of Environment UP till this date of meeting against the said project regarding starting of construction work at site without obtaining prior environmental clearance.

The Project proponent has submitted Mall Project Cost Certificate issued by Chartered Accountants, JDNT & Associates, Kochi dated 26/07/2021 stating total project cost incurred is Rs. 921.72 Crores.

In view of the above, Committee recommended to impose a penalty of Rs. 460.86 Lakhs (0.5% of total project cost incurred up to 26/07/2021) on project proponent which has to be deposited with UPPCB before filling of EIA Report. In case it comes to notice of SEIAA/ SEAC that any complaint is received from any person/institution/departments/organization prior to suo-moto declaration of the project proponent then penalty will be increased to 1% as per SoP/OM dated 7th July, 2021.

The committee also directed the project proponent to stop the construction work at the site with immediate effect until the Environment Clearance is granted.

A presentation was made by the project proponent along with their consultant. On the basis of documents submitted and presentation made by Project Proponent/ consultant (M/s Environmental & Technical Research Centre), the following facts have emerged:-

1. The terms of reference is sought for Commercial Project "Lulu Mall" at Plot No. T4A, T-5, IBB-2, Sushant Golf City, Shaheed Path, Village-Hariharpur, Tehsil-Sarojininagar, Lucknow., M/s Lulu India Shopping Mall Pvt. Ltd.
2. Consent to Establish issued by the UP Pollution Control Board, Lucknow vide letter no. 133669/UPPCB/Lucknow(UPPCBRO)/CTE/LUCKNOW/2021, dated 13/08/2021 for the period of 13/08/2021 to 31/12/2026.
3. Salient features of the project:

Item	Details
Name and Location of the Project	Proposed commercial project "Lulu Mall" at IBB-2, Plot No.: T4A & T-5, Sushant Golf City (Hi Tech Township), Shaheed Path,Village – Hariharpur, Tehsil – Sarojani Nagar, District: Lucknow, Uttar Pradesh
Developers of the project	M/s Lulu India Shopping Mall Pvt Ltd
Total Plot Area	45284.96 sq. m. (4.528496 Hectares approx)
Built-up Area	179842.76 sq. m
Total Water Requirement	995 KLD
Power Requirement	9964 KVA(From : UPPCL)
Power Backup	DG sets of total capacity 6x2000 KVA + 2x1010 KVA
Total Parking Proposed	Parking Proposed – 1799 ECS
Solid Waste to be Generated	5.95 T / Day – Municipal waste & 0.14 kg/day –Horticulture waste will be generated
Total Project Cost	921.73 Crores
Solar Lights	200 KW

4. Area details of the project:

S. No.	Particulars	Area (Sqm)
1	Total Plot Area	45284.96
2	Permissible Ground Coverage	43135.27
3	Proposed Ground Coverage	39951.87
4	Open Area	5333.09
5	Permissible Basic FAR (Including Green Building + basic FAR)	113253.0
6	Proposed FAR	109838.7
7	Proposed Non FAR	70004.06
8	Proposed total Built Up Area (FAR + Non FAR + 15% prescribed FAR)	179842.76
9	Required Green area (5%)	2191.75
10	Proposed Green Area	2848.90
11	Maximum height of the building (in mtrs)	36 m
12	Required number of tree	36
13	Proposed no. of tree to be planted	40
14	Rain water harvesting pit Required	02
15	Rain water harvesting pit proposed	02
16	Parking required	1646
17	Parking proposed (if proposed kindly provide calculation)	1799
18	Total Expected Population	37490 Nos + Staff (1000 nos) Total – 38490 Nos

5. Land use details:

Sr No	Particulars	Area	% of Total Plot

01	Covered Area	39951.87	88.22 %
02	Road, Paved and Open Area	2484.19	5.48%
03	Landscape Area	2848.90	6.3 %
Total Land Area		45284.96	100 %

6. The total quantity of water requirement for the proposed commercial project "Shopping Mall" building will be 995 KLD out of which the Fresh Water requirement of 757 KLD would be met from the Bore wells. 843.6 KLD waste water will be generated from the project which shall be treated in a Sewage Treatment Plant of capacity 1100 KLD. Recycled water as received from STP after tertiary treatment i.e. 238 KLD water for flushing, 250 KLD for Cooling and 5 KLD water for the horticulture uses.
7. Operation Phase: The waste water generated from proposed shopping mall 843.6 (i.e. 844 KLD) would be treated in the STP capacity 1100 KLD. Recycled water shall be used after tertiary treatment i.e. 238 KLD water for flushing, 250 KLD for cooling water & 5 KLD for Horticulture. Excess treated water will be discharge into sewer.
8. Solid waste generation details:

Sr. No.	Particular	Proposed Occupancy	Area (in acres)	Waste Generated per kg/day	Waste Generation (kg)
1	Total population	37490	-	0.15	5623.5
	Staff population	1000	-	0.25	250.0
2	Landscape Area		2848.90	0.2 kg/acre/day	0.14
				Total	**5873.6**
Total Solid Waste Generation = 5958 Kg/day (5873.6 + 84.36 kg/day STP sludge)					

9. Rain water harvesting details:

S N	Particular	Area (m^2)	Run-off co-efficient	Peak Rainfall Intensity (m/hr)	Run-off (m3/hr)
1	Roof Area	39951.87	0.85	0.03	1018.77
2	Green Area	2848.90	0.2	0.03	17.09
Total Run-off in m^3/hr					1035.86
4	Considering the retention time of 15 min.; the run off to be harvested, will be				258.96
5	Effective Volume (considering single Two bores in the recharge pit) = 3 m x 3 m x 4.5 m				130.5
7	Total capacity of a pit				130.5
8	No. of rain water harvesting pits required				258.96 /130.5 = 1.98
	No. rainwater harvesting pits required				~ 2

10. The project proposal falls under category–8(b) of EIA Notification, 2006 (as amended on 08/03/2018 and 07/07/2021 for the violation project).

RESOLUTION AGAINST AGENDA NO-08

The committee discussed the matter in view of MoEF&CC Violation SoP/Office Memorandum dated 07/07/2021 and recommended to issue the standard terms of reference (TOR) for the preparation of Environment Impact Assessment Report. The committee also stipulated following additional TOR points:

Additional TOR:

1. The committee prescribed specific Terms of Reference for the project on the assessment of ecological damage, remediation plan and natural and the community resource augmentation plan and it shall be prepared as an independent chapter in the environment impact assessment report

by the accredited consultants, and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory accredited by National Accreditation Board for Testing and Calibration Laboratories, or a laboratory of the Council of Scientific and Industrial Research institution working in the field of environment.

2. The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The Quantum shall be recommended by the SEAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the SEAC and approval of the regulatory authority.
3. Uttar Pradesh Pollution Control Board to take action against the project proponent under the provisions of section 19 of Environment Protection Act, 1986.
4. Assessment of ecological damage with respect to air, water land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
5. Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
6. Status report regarding construction/development work has already taken up.

Standard terms of reference:

1. Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
2. Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/ villages and present status of such activities.
3. Examine baseline environmental quality along with projected incremental load due to the project.
4. Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
5. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project
6. Submit the details of the trees to be felled for the project.
7. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
8. Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
9. Ground water classification as per the Central Ground Water Authority.
10. Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
11. Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
12. Examine soil characteristics and depth of ground water table for rainwater harvesting.
13. Examine details of solid waste generation treatment and its disposal.
14. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.

15. DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
16. Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. The plan should include the provision of link road from mining area to main road with black topping to prevent air pollution due to dust emission. Present and future traffic and transport facilities for the region should be analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.
17. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
18. Examine the details of transport of materials for construction which should include source and availability.
19. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
20. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
21. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
22. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
23. Examine the probable displacement/ disturbance of human/wild animal/birds settlement/migration due to impact of proposed project and suggest the suitable mitigation measures
24. There should be provision of temporary shelters for workers with provision of potable drinking water, toilet facility separate for men and women to prevent and stop open defecation at project site.
25. Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "http://moef.nic.in/Manual/Townships".

Special Remarks: -

The committee was quite surprised by this situation in which none of the agency like LDA, Lucknow Nagar Nigam, UP Pollution Control Board took note of this even though construction was going on in last several years. SEIAA may like to take note of it and write to concerned authorities about this state of affairs.

9. Formaldehyde Manufacturing Unit with 100 TPD Capacity at Plot No.- C-78, C-79, Industrial Area UPSIDC, Sandila Phase-II, District- Hardoi, U.P., M/s Neetu Solvents. File No. 6468/Proposal No. SIA/UP/IND3/66128/2021

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

1. The environmental clearance is sought for Formaldehyde Manufacturing Unit with 100 TPD capacity at Plot No. C-78 & C-79, Industrial Area UPSIDC, Sandila Phase-II, District- Hardoi, Uttar Pradesh" by M/s Neetu Solvents.
2. Location of the project:

Features	Details
Village, District & State	Plot No. C-78-79, Industrial Area UPSIDC, Sandila Phase-II, District- Hardoi,

	State- Uttar Pradesh
Total Area	3600 Sq. m
SOI Topo-sheet No.	63A/8, 63A/12
Geographical Coordinates	Latitude: 27°6'38.22"N; Longitude- 80°25'34.81"E
Land use	Industrial
Height above MSL	130 meters
Nearest Highway	SH-25 at a distance of 0.8 km in South direction
Nearest Railway Station	Umartali Railway Station at a distance of 5.4 km in East direction.
Nearest Airport	Chaudhary Charan Singh International Airport, Lucknow is at a distance of 59.13 km in SE direction.
Features	Details
National Park/ Wildlife Sanctuary	No National Park/Wildlife Sanctuary within 10 km radius of the Project Site.
Nearest Densely Populated Area	Kherwa village at a distance of at a distance of 1.3 km in North-East direction.
Reserve Forest	Usarha PF Mahsona PF Som RF Kamipur RF
Interstate Boundary	Not within 10 km radius area from project site

3. Land use details:

Sr. No.	Particular	Total land (Ha.)	Percentage
1	Plant built-up area	0.1263	35.08
2	Greenbelt area	0.1198	33.27
3	Open space and road area	0.1139	31.65
Total area		0.3600	100

4. Manufacturing products:

Product	Total Production
Formaldehyde	100 TPD

5. Raw Material Details:

Material	Total	Source	Storage
Methanol	50 TPD	Import	Under Ground tank within unit. (5x70 KL)

6. Power requirement details:

Details	Total requirement	Source
Power	150 HP (Approx. 128 KVA)	Madhyanchal Vidyut Vitran Nigam Ltd.
DG Sets	1x200 KVA	-

7. Boiler details:

Capacity	Fuel	Fuel Source
600 Kg/Hr	HSD Fired	Local authorized vendor

8. 80 KLD water required for the plant and which will be sourced from ground water.
9. The project proposal falls under category–5(f) of EIA Notification, 2006 (as amended).

Resolution against agenda no-09

The committee discussed the matter and recommended to issue standard terms of reference prescribed by MoEF&CC, Govt. of India for the preparation of EIA studies regarding the project:

1. Detailed plan about the protection from odour during the operation phase.
2. Detailed water balance.
3. Executive Summary
4. Introduction
    i. Details of the EIA Consultant including NABET accreditation

ii. Information about the project proponent
iii. Importance and benefits of the project

5. Project Description
   i. Cost of project and time of completion.
   ii. Products with capacities for the proposed project.
   iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
   iv. List of raw materials required and their source along with mode of transportation.
   v. Other chemicals and materials required with quantities and storage capacities
   vi. Details of Emission, effluents, hazardous waste generation and their management.
   vii. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract)
   viii. Process description along with major equipments and machineries, process flow sheet (quantative) from raw material to products to be provided
   ix. Hazard identification and details of proposed safety systems.
   x. Expansion/modernization proposals:

c. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing Iexisting operation of the project from SPCB shall be attached with the EIA-EMP report.

d. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

6. Site Details
   i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification
   ii. for selecting the site, whether other sites were considered.
   iii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
   iv. Details w.r.t. option analysis for selection of site Co-ordinates (lat-long) of all four corners of the site.
   v. Google map-Earth downloaded of the project site.
   vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
   vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
   viii. Land use break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
   ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
   x. Geological features and Geo-hydrological status of the study area shall be included.

xi. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)

xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.

xiii. R&R details in respect of land in line with state Government policy.

7. Forest and wildlife related issues (if applicable):

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

ii. Land use map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha)

iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.

iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon.

v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area.

vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.

8. Environmental Status

i. Determination of atmospheric inversion level at the project site and site-specific micrometeorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.

ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.

iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.

iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.

v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.

vi. Ground water monitoring at minimum at 8 locations shall be included.

vii. Noise levels monitoring at 8 locations within the study area.

viii. Soil Characteristic as per CPCB guidelines.

ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.

x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.

xi. Socio-economic status of the study area.

9. Impact and Environment Management Plan
   i. Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
   ii. Water Quality modelling - in case of discharge in water body
   iii. Impact of the transport of the raw materials and end products on the surrounding environment hall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyorcum- rail transport shall be examined.
   iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
   v. Details of stack emission and action plan for control of emissions to meet standards.
   vi. Measures for fugitive emission control
   vii. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
   viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
   ix. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
   x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
   xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
   xii. Action plan for post-project environmental monitoring shall be submitted.
   xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.

10. Occupational health:
   i. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers
   ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above mentioned parameters as per age, sex, duration of exposure and department wise.

iii. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,

iv. Annual report of heath status of workers with special reference to Occupational Health and Safety.

11. Corporate Environment Policy
    i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
    ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms /conditions? If so, it may be detailed in the EIA.
    iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
    iv. Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report.
12. Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.
13.) Enterprise Social Commitment (ESC)
    i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.
14. Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
15. A tabular chart with index for point wise compliance of above TOR.
16. Details on solvents to be used, measures for solvent recovery and for emissions control.
17. Details of process emissions from the proposed unit and its arrangement to control.
18. Ambient air quality data should include VOC, other process-specific pollutants* like NH3*, chlorine*, HCl*, HBr*, H2S*, HF*, etc., (*as applicable)
19. Work zone monitoring arrangements for hazardous chemicals.
20. Detailed effluent treatment scheme including segregation of effluent streams for units adopting 'Zero' liquid discharge.
21. Action plan for odour control to be submitted.
22. A copy of the Memorandum of Understanding signed with cement manufacturers indicating clearly that they co-process organic solid/hazardous waste generated.
23. Authorization/Membership for the disposal of liquid effluent in CETP and solid/hazardous waste in TSDF, if any.
24. Action plan for utilization of MEE/dryers salts.
25. Material Safety Data Sheet for all the Chemicals are being used/will be used.
26. Authorization/Membership for the disposal of solid/hazardous waste in TSDF.
27. Details of incinerator if to be installed.
28. Risk assessment for storage and handling of hazardous chemicals/solvents. Action plan for handling & safety system to be incorporated.
29. Arrangements for ensuring health and safety of workers engaged in handling of toxic materials.

10. Group Housing Project at Mauza Bhagatpur at Araji No.- 22, 23, 24, 25, 28 Part & Mauza Suddhipur Araji No.- 346, 351 Part, 352, 353, 354 Part, 355 Part, 383, 391, 392 Part, 394 Part, at Pargana-Shivpur, Tehsil-Sadar, District-Varanasi, U.P., M/s Swastik Nilayam Pvt. Ltd. File No. 6470/Proposal No. SIA/UP/MIS/221738/2021

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 Mauza Bhagatpur at Araji No.- 22, 23, 24, 25, 28 Part & Mauza Suddhipur Araji No.- 346, 351 Part, 352, 353, 354 Part, 355 Part, 383, 391, 392 Part, 394 Part, at Pargana-Shivpur, Tehsil-Sadar, District-Varanasi, U.P., M/s Swastik Nilayam Pvt. Ltd.
2. The plot area of the project is 26977 m^2 whereas built-up area will be 101255.84 m^2.
3. Total No. of Saleable DU's is 965 (789 General + 176 EWS). Maximum no of floors is B+ST+14.
4. Salient features of the project:

Sl. No.	Description	Total Quantity	Unit
GENERAL			
1	Scheme Area	26977	SQMT
2	Area Under Gr Housing Plot	23616.6	SQMT
3	Area Under School Plot	508	SQMT
4	Area Under Hotel Plot	2852.24	SQMT
5	Proposed Built Up Area	101255.84	SQMT
6	Total no of Saleable DU's	789	No.
7	LIG & EWS DU's	176	No.
8	Max Height - (Height of tallest block)	44.28	M
9	No of Building Blocks (Residential + Community facilities)	8	
10	Max No of Floors (Residential Tower -1)	B+ST+14	No.
11	Expected Population (4985 Fixed +1203 Floating)	6188	No.
12	Total Cost of Project	162	CR
13	Proj Activity: Saleable Group Housing, EWS & LIG Housing with Community Hall, & Shopping, School & Hotel		
AREAS			
14	Permissible Ground Coverage Area	9442	SQMT
15	Proposed Ground Coverage Area	7379.59	SQMT
16	Total Permissible FAR Area	67442.1	SQMT
17	Total Proposed FAR Area	66293.6	SQMT
18	Non FAR areas - Basement & Stilt	15601.6	SQMT
19	Other Non-FAR areas- Mumty machine room, EWS and LIG etc. & other areas exempted from FAR area	19360.6	SQMT
20	Proposed Total Built Up Area	101255.84	SQMT
WATER			
21	Total Water Requirement	498	KLD
22	Fresh water requirement	364	KLD
23	Treated Water Requirement	134	KLD
24	Waste water Generation	414	KLD
25	Proposed Total Capacity of STP	500	KLD
26	Treated Water Available for Reuse	372	KLD
27	Treated Water Recycled	134	KLD
28	Surplus treated water to be discharged in Municipal Sewer with Prior permission	238	KLD

RAIN WATER HARVESTING			
29	Rain Water Harvesting - Recharge Pits	7	No.
PARKING			
30	Total Parking Required as / Building Bye Laws	1003	ECS
31	Proposed Total Parking	1082	ECS
32	Parking on Surface	284	ECS
33	Parking in Stilt	265	ECS
34	Parking in Basements	533	ECS
35	Required & Proposed Scooter Parking for EWS Flats	88	Scooters/ 2 Wheeler
GREEN AREA			
35	Required Green Area (15% of plot area)	4046.53	SQMT
36	Proposed Green Area (20.2% of plot area)	5439.152	SQMT
WASTE			
37	Total Solid Waste Generation	2.85	TPD
38	Organic waste	1.68	TPD
39	Quantity of E-Waste Generation- Kg/Day	31.73	KG/DAY
40	Quantity of Hazardous waste Generation	0.72	LPD
41	Quantity of Sludge Generated from STP	29	KG/DAY
ENERGY			
42	Total Power Requirement (Source : UPPCL)	4223	KVA
43	DG set backup	660	KVA
44	No of DG Sets	7 (100x4 + 200x1 + 40 x1 +20x 1)	No.

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

RESOLUTION AGAINST AGENDA NO-10

The committee discussed the matter and recommended grant of environmental clearance for the project proposal as above alongwith following standard environmental clearance conditions as prescribed by MoEF&CC, Govt. of India:

I. NOC from Airport Authority of India & National Highway Authority of India should be submitted within 03 months.

II. Statutory compliance:

1. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
2. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightening etc.
3. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
4. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
5. The project proponent shall 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 the necessary permission for drawl of ground water / surface water required for the project from the competent authority.
7. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.

8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
9. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
10. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.

III. Air quality monitoring and preservation

1. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
2. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
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 andPM25) covering upwind and downwind directions during the construction period.
4. Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
5. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height).Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
6. Sand, murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
7. Wet jet shall be provided for grinding and stone cutting.
8. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
9. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
10. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise mission standards.
11. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
12. For indoor air quality the ventilation provisions as per National Building Code of India.

IV. Water quality monitoring and preservation

1. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
2. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
3. Total fresh water use shall not exceed the proposed requirement as provided in the project details.

4. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
5. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
6. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
7. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation car washing, thermal cooling, conditioning etc. shall be done.
8. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
9. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
10. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
11. The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
12. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
13. All recharge should be limited to shallow aquifer.
14. No ground water shall be used during construction phase of the project.
15. Any ground water dewatering should be properly managed and shall conform to the a approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
16. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
17. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, not related water shall be disposed in to municipal drain.
18. No sewage or untreated effluent water would be discharged through storm water drains.
19. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
20. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odor problem from STP.

21. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Centre Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

V. Noise monitoring and prevention:

1. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
2. 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.
3. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

VI. Energy Conservation measures

1. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
2. Outdoor and common area lighting shall be LED.
3. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
4. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
5. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
6. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

VII. Waste Management :

1. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
2. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
3. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
4. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
5. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
6. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
7. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks,

hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.

8. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
9. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
10. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

VIII. Green Cover:

1. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
2. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
3. Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
4. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

IX. Transport:

1. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
    a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
    b. Traffic calming measures.
    c. Proper design of entry and exit points.
    d. Parking norms as per local regulation.
2. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
3. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

X. Human health issues :

1. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
2. For indoor air quality the ventilation provisions as per National Building Code of India.

3. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
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, crèche 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.
6. A First Aid Room shall be provided in the project both during construction and operations of the project.

XI. Corporate Environment Responsibility:

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

XII. Miscellaneous:

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

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

(Dr. Harikesh Bahadur Singh) **Chairman, SEAC-2**	**(Dr. Amrit Lal Haldar)** **Member, SEAC-2**	**(Dr. Dineshwar Prasad Singh)** **Member, SEAC-2**
(Tanzar Ullah Khan) **Member, SEAC-2**	**(Prof. Jaswant Singh)** **Member, SEAC-2**	**(Dr. Shiv Om Singh)** **Member, SEAC-2**