Minutes of 356th SEAC Meeting Dated 06/09/2018

The 356th meeting of SEAC was held in Directorate of Environment, U.P. on 06/09/2018 following members were present in the SEAC:

1.	Dr. Sarita Sinha,	Chair-person
2.	Dr. Arvind Mathur,	Member
3.	Dr. Virendra Misra,	Member
4.	Dr. Pramod Kumar Mishra,	Member
5.	Dr. Richpal Singh Sangu,	Member
6.	Dr. Ranjeet Kumar Dalela,	Member
7.	Dr. Ajoy Kumar Mandal	Member
8.	Shri Meraj Uddin,	Member
9.	Shri Rajive Kumar,	Member

The Chairman welcomed the members to the 356th SEAC meeting.
The SEAC unanimously took following decisions on the agenda points discussed:

1. **Proposed Group Housing Project "Omaxe Housing-2" at Khasra No.- 439, 440, 441, 442, 443, and part of Khasra No.- 153, 154, 436, 438, 444, 445, 446, 448, 449, 465, 466, 467, Village- Sarsawan, in Omaxe integrated township, Sultanpur Road, Lucknow, U.P. File No. 4382/ Proposal No. SIA/UP/NCP/28116/2017**

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

1. The environmental clearance is sought for Proposed Group Housing Project "Omaxe Housing-2" at Khasra No.- 439, 440, 441, 442, 443, and part of Khasra No.- 153, 154, 436, 438, 444, 445, 446, 448, 449, 465, 466, 467, Village- Sarsawan, in Omaxe integrated township, Sultanpur Road, Lucknow, U.P. M/s Omaxe Ltd.
2. Salient features of the project:

Description	Area in (SQM)
Gross total Site Area	46486.50 M2
Max Permissible Ground Coverage@33.30%	15480.01M2
Proposed Ground Coverage @20.23%	9603.74M2
Permissible F.A.R.	3.72
Proposed Floor Area. (cat-II) (FAR)	172748.545M2
Total Built-up Area	183721.279M2
Proposed floor Area ,community needs (Club)	1386.206
Nos. of Dwelling Units	1356

Nos. of Blocks	18 Nos.
Proposed Green Area @10.13 %	4,708.84 M2
Proposed Vehicular Road Area	32173.96M2
Total Built –up Area including Basement	227954.6M2
Basement 1	44233M2
Parking ,ECS	1826
No. Of Tree s to planted	250
Total Population	6780
Total water demand/day	967 KLD
Source of Water during Construction stage	Ground Water
Source of Water during Operation stage	Ground water
Quantity of sewage generated	754.4 KLD
Treated Water Generated	679 KLD
STP Capacity	900 KLD
Power Requirement	2850 KW- UPVN
DG Requirement	2 x 1010 KVA and 2 x 750KVA
Rain Water Harvesting pits	10
Solid waste generated	725 KG/day

3. Water calculation details:

S. No.	Description	Population (persons)	Unit Water Consumption	Total Water Required (LD)	Sewage generation	Treated water requirement for flushing and Horticulture	Fresh Water requirement (LD)
1	Apartments (1356)	6780	135	915300	732240	274590	640710
2	Club & floating population	650	15	9750	7800	2925	6825
3	Staff	100	45	4500	3600	1350	3150
4	Commercial/shopping	50	45	2250	1800	675	1575
5	Filter Backwash			10000	9000	0	10000
6	Make up water for swimming pool			5000			5000
7	Horticulture		4	20000	0	20000	0
				966800	754440	299540	667260
STP of 900KLD with generation of 678996 LD which will be utilized for flushing and landscaping Fresh water requirement will be 667260 LD.							

4. Waste water details:

- Construction phase:
  - During the project construction stage, water will be supplied by Ground water Approx. 50-60 KLD and wastewater generation will be 25 KLD.
  - Mobile type sulabh shauchalayas will be provided for construction labors.
- Operation phase:
  - During the operation stage, It has been estimated that approx. 754.4 KLD of sewage will be generated from the project. The entire sewage will be treated in STP of 900 KLD, Capacity of Approx. 679 KLD of water requirement will be met through recycling of STP treated water.
  - Drip & Spray irrigation will be done for reducing water demand. Use of Water efficient fixtures to conserve water.

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

RESOLUTION AGAINST AGENDA NO-01

The committee discussed the matter and recommended grant of environmental clearance for the 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.
2. Use of reflecting paints on the roof top and side walls of the building for cooling effect.
3. The project proponent shall submit within the next 3 month the data of ground water quality including fluoride parameter to the limit of minimum deduction level for all six monitoring stations.
4. 15% area of the total plot area shall be compulsorily made available for the green area development including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
5. The waste water generated should be treated properly in scientific manner i.e. domestic waste water to be treated in STP and effluent such as RO rejects with high TDS and other chemical bearing effluent shall be treated separately.
6. Permission from local authority should be taken regarding discharge of excess water into the sewer line.
7. The height, Construction built up area of proposed construction shall be in accordance with the existing FAR norms of the competent authority & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
8. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
9. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
10. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
11. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 20016.
12. 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 and First Aid Room etc.
13. Magnetic Flow Meters should be installed to monitor consumption of fresh water as well as treated water.
14. Construction/provision of the STP, DG Sets, Utilities etc, earmarked by the project proponent on the layout plan, should be made in the earmarked area only. In any case the position/location of these utilities should not be changed later-on.
15. Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control and for water conservation.
16. 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. Fixed pipelines should be provided for distribution or excess treated waste water for horticultural use within the complex.
17. 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.

18. Corporate Environmental Responsibility (CER) shall be submitted by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provide 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.
19. Traffic congestion near the entry and exit points from the roads adjoining the project site must be avoided. Parking should be fully internalized and no public space should be utilized.
20. 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.
21. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
22. 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.
23. Disposal of muck during construction phase should 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.
24. Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the UP Pollution Control Board.
25. 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.
26. 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.
27. 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. 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.
28. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
29. 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.
30. Ready Mix Concrete and Sprinkler to be used for curing and quenching during construction phase.
31. Roof top water to be only channelized to RWHs. 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.

2. **Proposed IT/ITES Complex "Assotech Business Cresterra" at Plot No.- 22, Sector- 135, Noida, District- Gautam Budh Nagar, U.P., M/s Assotech Realty Pvt. Ltd. File No. 4389/ Proposal No. SIA/UP/NCP/20632/2018**

RESOLUTION AGAINST AGENDA NO-02

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

1. Total cost of the project.
2. CER with breakup.
3. Project completion date.
4. NOC from AAI.
5. EMP cost should be revised.
6. NABL certificate with scope.
7. Recalculation of water requirement based on two shift.

The matter shall be taken up only after submission of information as above on online prescribed portal.

3. **Integrated Township "Paintail Park City" at Village- Madharmau Kala Mastemau & Bakkas, Lucknow by M/s Paintail Infracon, Pvt. Ltd. File No. 4399/ Proposal No. SIA/UP/NCP/28310/2018**

RESOLUTION AGAINST AGENDA NO-03

The project proponent requested to defer the matter in next SEAC meeting. The committee discussed the matter and directed to defer the matter on request.

4. **Hotel Building Project at Khasra No.- 919, Village- Noor Nagar, Pargana & Tehsil- Loni, District- Ghazaibad, U.P., M/s Capable Buildwell Pvt. Ltd. File No. 4316/ Proposal No.SIA/UP/NCP/75110/2018**

A presentation was made by the project proponent along with their consultant M/s Grass Roots Research & Creation India (P) Ltd. The proponent, through the documents submitted and the presentation made, informed the committee that :-

1. The environmental clearance is sought for hotel building project at Khasra No.- 919, Village- Noor Nagar, Pargana & Tehsil- Loni, District- Ghazaibad, U.P., M/s Capable Buildwell Pvt. Ltd.
2. The plot area measures 25,300 sqm (6.25 acre) and built-up area is 95,168.32 sqm.
3. Salient features of the project:

S. No.	DESCRIPTION	DETAILS
1.	Estimated Population	7617 persons (staff + visitors)

2.	Total Water Requirement	378 KLD (Fresh water = 83 KLD)
3.	Waste Water	290 KLD
4.	STP Capacity	320 KL
5.	Solid Waste	1709 kg/day
6.	Electrical load	4042 KW; Agency: Uttar Pradesh Power Corporation Limited
7.	Power back-up	4 DG Sets (4 x 1500 kVA capacity)
8.	Rain Water Harvesting	6 Pits
9.	Parking Required Parking Proposed	134 ECS (MoEFCC) 916 ECS (Bye-laws) 936 ECS
10.	Project Cost (INR Crores)	200

5. Area details of the project:

S. No.	Particulars	Area (m^2)
1.	Total Plot Area	25,300.00
	Road Widening Area	2100.00
2.	Net Plot Area	22,040.00
3.	Permissible Ground Coverage (40%)	8816.00
4.	Proposed Ground Coverage (39.73%)	8756.09
5.	Permissible Basement Area	39,000.00
6.	Proposed Basement Area	36,057.00
7.	Permissible FAR (@ 2.50) Permissible FAR for Commercial Permissible FAR for Hotel Permissible FAR for Service Apartment Area	55,100.00 11,020.00 11,020.00 33,060.00
8.	Proposed FAR (@ 2.438)	53,790.04
	Commercial Area	10,816.50
	Hotel Area	32,070.21
	Service Apartment Area	10,903.33
9.	Non-FAR Services Fire Stair Case Area Mumty Area Machine Room Area 1st Basement Area 2nd Basement Area	41,378.28 6,527.06 1,342.00 345.45 325.45 14,181.31 18,657.01
10.	Built-Up Area (FAR + Non FAR)	95,168.32
11.	Landscape Area (@ 30% of plot area)	6612.00
12.	Maximum height of the building (m)	51.45

6. Population details:

S. No.	Unit Type	No. of Rooms/ FAR (sqm)	PPU	Total Population
HOTEL				
1.	Rooms (Type I)	131	@1.5 persons per Room	197
2.	Rooms (Type II)	136	@2 persons per Room	272
3.	Room (2 bedroom)	1	@4 persons per Room	4
4.	Staff			262
FACILITIES (Hotel and Club Area)				
1.	Banquet	1418	@ 1 person/sqm	1418
2.	Meeting Room	204	@1.4 persons/sqm	146
3.	Lobby	391	@12.5 persons/sqm	31
4.	Bar	507		242
5.	Party Room	136	@1.4 persons/sqm	97

6.	Coffee Shop	280		280
7.	Game Zone	2576		320
8.	Home Theatre	24		24
9.	Restaurant	667		72
10.	Staff			150
COMMERCIAL AREA (Retail Shops/Showroom)				
1.	GROUND FLOOR AND LOWER GROUND FLOOR:	7634	@3 persons/ sqm	
1(a)	Permanent Population	7634	@10% of 3 persons/ sqm	255
1(b)	Visitors	7634	@90% of 3 persons/sqm	2291
2.	FIRST FLOOR:	3872	@6 persons/ sqm	
2(a)	Permanent Population	3872	@10% of 6 persons/sqm	65
2(b)	Visitors	3872	@90% of 6 persons/sqm	581
SERVICE APARTMENTS				
1.	Guests	182	@5 persons/ unit	910
	TOTAL POPULATION			7617

7. Calculation of water requirement details:

S. No.	Description	Occupancy/ Area(m^2)	Rate of water demand (lpcd)	Total Water Requirement (KLD)
A.)	DOMESTIC WATER			
1.	Hotel Guests	473	180	85
2.	Visitors:			
	Restaurant	72	70	5
	Banquet hall	1418	15	21
	Home Theatre	24	15	1
	Meeting Room	146	15	2
	Game Zone	320	15	5
	Lobby	31	15	1
	Bar	242	15	4
	Party Room	97	15	2
	Coffee Shop	280	15	4
	Others	2872	15	43
3.	Laundry	16 hrs		31
4.	Staff:			
	Maintenance	412	45	19
	Commercial Shops	320	45	14
	Service Apartments	910	45	41
Total Domestic Water Demand = 278 KLD				
B.)	HORTICULTURE	6612		4
C.)	MAKE UP WATER FOR SWIMMING POOL	201sqm		1
D.)	HVAC* COOLING (824.6 TR)		7.5 lit/t/hr	62
E.)	DG COOLING# (4X1500 KVA)		0.9 l/KVA/hr	33
GRAND TOTAL (A+B+C+D+E) = 378 KLD				

8. Waste water details:

Domestic Water Requirement	278 KLD
Fresh water (@30% of domestic water)	83 KLD
Flushing water (@ 70% of domestic water)	195 KLD
Waste Water (@ 80% fresh water + 100% flushing water + 95% Laundry)	66 + 195 + 29 = 290 KLD
STP Capacity	320 KL

9. Solid waste generation details:

S. No.	Description	Occupancy	Waste Generated (Kg per capita / day)	Waste Generated (kg/capita/day)

1.	Hotel			
	Guests	473	0.5 kg/day	236.5
2.	Staff			
	Maintenance	412	0.25 kg/day	103
	Commercial Shops	320	0.25 kg/day	80
	Service Apartment	910	0.25 kg/day	227.5
3.	Visitors			
	Commercial	2872	0.15 kg/day	430.8
	Banquet Hall	1418	0.15 kg/day	212.7
	Restaurant	72	0.15 kg/day	10.8
	Meeting Room	146	0.15 kg/day	21.9
	Lobby	31	0.15 kg/day	4.6
	Bar	242	0.15 kg/day	36.3
	Party Room	97	0.15 kg/day	14.5
	Coffee Shop	280	0.15 kg/day	42
	Game Zone	320	0.15 kg/day	48
	Home theatre	24	0.15 kg/day	3.6
4.	Horticultural Waste (1.63 acres)	@ 0.2 kg/acre/day		0.32
5.	STP Sludge	Waste water x 0 .35 x B.O.D difference/1000		9.13
Total Solid Waste Generation = 1709 kg/day				

10. Parking details:

S. No.	PARTICULARS	ECS
1.	PARKING REQUIRED	
	As per MoEFCC Norms: = 1 ECS/2 guest rooms = 268/2	134 ECS
	As per Bye Laws: <u>For Commercial Facilities</u> = 2.0 ECS/100 m^2 of FAR = 2.0 x 21,719.83 / 100 = 434.34 Say 435 ECS <u>For Hotel Area</u> 1.50 ECS/100 m^2 of FAR =32,070.21 m^2 =32,070.21 x 1.50 / 100 =481.05 (Say 481 ECS)	916 ECS
2.	PARKING PROPOSED 1st basement parking (Mechanical) 2nd basement parking (Mechanical) TOTAL PROPOSED PARKING	 336 ECS 600 ECS 936 ECS

11. The project proposal falls under category–8(a) 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 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.
2. Use of reflecting paints on the roof top and side walls of the building for cooling effect.

3. The project proponent shall submit within the next 3 month the data of ground water quality including fluoride parameter to the limit of minimum deduction level for all six monitoring stations.
4. 15% area of the total plot area shall be compulsorily made available for the green area development including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
5. The waste water generated should be treated properly in scientific manner i.e. domestic waste water to be treated in STP and effluent such as RO rejects with high TDS and other chemical bearing effluent shall be treated separately.
6. Permission from local authority should be taken regarding discharge of excess water into the sewer line.
7. The height, Construction built up area of proposed construction shall be in accordance with the existing FAR norms of the competent authority & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
8. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
9. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
10. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
11. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 20016.
12. 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 and First Aid Room etc.
13. Magnetic Flow Meters should be installed to monitor consumption of fresh water as well as treated water.
14. Construction/provision of the STP, DG Sets, Utilities etc, earmarked by the project proponent on the layout plan, should be made in the earmarked area only. In any case the position/location of these utilities should not be changed later-on.
15. Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control and for water conservation.
16. 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. Fixed pipelines should be provided for distribution or excess treated waste water for horticultural use within the complex.
17. 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.
18. Corporate Environmental Responsibility (CER) shall be submitted by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provide 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.
19. Traffic congestion near the entry and exit points from the roads adjoining the project site must be avoided. Parking should be fully internalized and no public space should be utilized.
20. 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.

21. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
22. 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.
23. Disposal of muck during construction phase should 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.
24. Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the UP Pollution Control Board.
25. 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.
26. 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.
27. 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. 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.
28. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
29. 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.
30. Ready Mix Concrete and Sprinkler to be used for curing and quenching during construction phase.
31. Roof top water to be only channelized to RWHs. 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.

5. **Proposed Group Housing Project "Vilaasa" at Plot No.- GH-01B (2), Sector- ETA-2, Greater Noida, District- Gautam Budh Nagar, U.P., M/s Yamuna Builtech Pvt. Ltd. File No. 4324/ Proposal No.SIA/UP/NCP/75171/2018**

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

1. The environmental clearance is sought for Group Housing Project "Vilaasa" at Plot No.- GH-01B (2), Sector- ETA-2, Greater Noida, District- Gautam Budh Nagar, U.P., M/s Yamuna Builtech Pvt. Ltd.

2. Project proposed for development of residential units, Community Centre and convenient shops. Project involves development of 06 towers including dedicated buildings for convenient shops and community centre. Total number of dwelling units will be 1201.
3. Salient features of the project:

Description	Proposed
Plot Area	23,200.00 m^2
Built-up Area	1,46,631.13 m^2
Green Area	7,635.43 m^2 @ 32.91% of Total Plot Area
Total Water Requirement	546 KLD
Fresh Water Requirement	354 KLD
Wastewater Generation	426 KLD
Capacity of STP	300 KLD
Solid Waste Generation	2888 kg/day
Parking Required & Provided	1285 ECS
Power Demand & Source	For Construction Phase: 100 KVA For Operation Phase: Estimated Load as per NPCL Norms.
Back up	2010 KVA (1 x1010 + 2 x 500 KVA)
RWH Pits	6 pits

4. Area details:

S. No.	Particulars	Area (m^2)
1.	Total Plot Area	23,200.00
2.	Permissible Ground Coverage (@ 35%)	8,120.00
3.	Proposed Ground Coverage (@33.284%)	7,722.06
4.	Total Permissible F.A.R. 1. Permissible FAR for Housing @ 2.5 2. Additional FAR for Metro @ 0.50 3. Additional FAR for Green Building (5% of Permissible F.A.R. @ 2.5))	96,860.00 81,200.00 11,600.00 4060.00
5.	Total Proposed F.A.R. F.A.R. achieved for Housing F.A.R. achieved for Commercial F.A.R. achieved for Meter Room Extra Facility Area in main F.A.R.	95,852.68 94,627.17 810.72 8.40 406.39
6.	Permissible FAR for Facility (15% of Permissible F.A.R)	12,180.00
7.	Total Achieved Facility Area (Fire Stair Case + Lift Lobby + Mumty + Machine Room + Lift Shafts + Service Shafts + Cupboard + Guard Room + Over head tank + S.T.P. + L.T. Panel Room + Guard & Visitor Toilets + Community Hall)	12,586.39
8.	Facility Area Achieved within 15% limit	12,180.00
9.	Extra Facility Area in main F.A.R.	406.39
10.	Total Non-F.A.R. Lower Basement Area Upper Basement Area Stilt Area	38,598.45 13,517.98 19,082.86 5,997.61
11.	Total Built-up Area (5 + 8 + 10)	1,46,631.13
12.	Green Area @32.91% of Total Plot Area	7,635.43
13.	Total Open Area @66.71% of Total Plot Area	15,477.94
14.	Permissible No. of Dwelling Units	1237
15.	Proposed No. of Dwelling Units	1201

5. Population details:

S. No.	Unit Type	D.U./FAR (m^2)	PPU	Total Population

1.	Residential area:			
	Residents	1201	4.5	5404
	Staff	@5% of residential population		270
	Visitors	@10% of residential population		540
2.	Commercial area (Ground floor):	494.28	@ 1 person/3 m^2	165
	Staff		@ 20%	33
	Visitors		@ 80%	132
	Commercial area (First floor):	316.44	@ 1 person/6 m^2	**53**
	Staff		@ 20%	11
	Visitors		@ 80%	42
3.	Community Centre	1200	@ 1 person/1.5 m^2	**800**
	Staff		@ 20%	160
	Visitors		@ 80%	640
Grand Total				7232

6. Water requirement details:

S. N.	Description	Occupancy	Rate of water demand (LPCD)	Total Water Requirement (KLD)
A.	Domestic Water			
1)	Residential Population			
	Residents	5404	86	464.7
	Staff	270	30	8.1
	Visitors	540	15	8.1
2)	Convenient Shopping area:			
	Staff	44	30	1.3
	Visitors	174	15	2.6
3)	Community Centre			
	Staff	160	30	4.8
	Visitors	640	15	9.6
Total Domestic Water Demand				499.2 say 499 KLD
B.	Horticulture	7,635.43	6 l/sqm	46
C.	Filter Backwash			10
D.	Make up water for swimming pool			10
Grand Total (A+B+C+D) = 546 KLD (Source : GNIDA)				

7. Waste water details:

Domestic Water Requirement	485 KLD
Total Fresh Water: Potable Water (70% of domestic) Make-up water for swimming pool Filter backwash	354 KLD 339 KLD 5 KLD 10 KLD
Flushing Water (30% of domestic water required)	145 KLD
Waste Water (80% Potable + 100% flushing + 95% filter backwash)	271.6 + 145.5 + 9.5 = 426.6 say 427 KLD

8. Solid waste generation details:

S. No.	Category	Norms (kg/c/day)	Total Waste (kg/day)
1.	Domestic Waste:		
	Residents (5404)	@ 0.5	2702
	Total Staff (314)	@ 0.25	78.5
	Total Visitors (714)	@ 0.15	107.1
2.	Landscape waste (1.88 acre)	@ 0.2 kg/acre/day	0.376
	TOTAL SOLID WASTE GENERATED		2888 kg/day

9. Parking details:

Category	FAR (m^2)	Parking Required	No. of ECS Required
Upper Basement Parking	17,255.22	1 ECS/30 m^2 F.A.R	575
Lower Basement Parking	13,070.58	1 ECS/30 m^2 F.A.R	435
Stilt Parking	5,997.61	1 ECS/30 m^2 F.A.R	199
Open Parking (including visitor's parking)	5,997.61	1 ECS/30 m^2 F.A.R	76
Total Required Parking			1285

10. The project proposal falls under category–8(a) 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 general conditions as earlier prescribed by authority for construction project and following specific conditions:

1. Minimum 3% of 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 at least 02 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 local body norms.
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, 20016.
11. 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.
12. 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.
13. 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.
14. Corporate Environmental Responsibility (CER) shall be by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. 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.

15. No parking shall be allowed outside the project boundary.
16. 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.
17. Surface rain water has to be collected in kacchha pond with fencing for ground water recharging and irrigation of horticulture and peripheral plantation.
18. 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.
19. Disposal of muck during construction phase should 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.
20. Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the UP Pollution Control Board.
21. 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.
22. 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.
23. 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. 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.
24. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
25. 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.
26. Ready Mix Concrete and Sprinkler to be used for curing and quenching during construction phase.
27. Convenient shops, bank, canteen, post office and medicine shops etc to be provided with in complex.
28. 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.
29. NOC from Ground Water Board is to be submitted for drilling of tube well for use of Water Supply.
30. All the internal drains are to be covered till the disposal point.
31. 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.
32. Reflecting point should be used on the roof top and side walls of the building tower for cooling effect.

6. **"Lalji Super Specialty Hospital & Research Center" Village-Gahira, Motiram Adda, District- Gorakhpur, U.P. Mr.BaikunthPrajapati, Director. File No. 4326/ Proposal No.SIA/UP/NCP/75238/2018**

A presentation was made by the project proponent along with their consultant M/s Grass Roots Research & Creation India (P) Ltd. The proponent, through the documents submitted and the presentation made, informed the committee that :-

1. The environmental clearance is sought for "Lalji Super Specialty Hospital & Research Center" Village-Gahira, Motiram Adda, District- Gorakhpur, U.P. M/S Lalji Super Speciality Hospital & Research Center.
2. M/s Lalji Super Speciality Hospital & Research Center Gorakhpur Private Limited proposes a 350 bedded Super Speciality Hospital & Research Center at Gorakhpur, Uttar Pradesh.
3. The total plot area measures 18,408.239 sqm (4.549 acre) and built-up area is 48,211.4 sqm.
4. Salient features of the project:

FEATURES	DESCRIPTION
Population	5000 persons (fixed + floating)
Water Requirement	644 KLD (Fresh water = 382 KLD)
Wastewater (STP)	298 KLD
Wastewater (ETP)	127 KLD
Electricity load	2983 kVA
Power Back-up	4040 kVA (4 x 1010 kVA)
Source of Power	Uttar Pradesh State Electricity Board (UPSEB)
Rain Water Harvesting Pits	3
Solid Waste	1896.24 kg/day
Parking Proposed	187 ECS
Total Project Cost	130 Cr.

5. Area details of the project:

S. No.	DESCRIPTION	AREA (sqm)
1.	Plot area	18,408.239
2.	Permissible Ground Coverage (@40% of plot area)	7363.30
3.	Proposed Ground Coverage (@ 37.14%)	6837.11
4.	Permissible FAR (@2.5)	46,020.5975
5.	Proposed FAR (@	43,799.11
6.	Non-FAR	4412.29
7.	Total Built-up area	48,211.4
8.	Green Area (@ 26.83%)	4938.36
9.	Area Under Roads	5508.64
10.	Surface Parking Area	325
11.	Basement Stack Parking Area	2769
12.	Maximum Height of Building	34.3 mtr

6. Built up area details:

FAR Area		
S. No.	Particulars	Area (m^2)
1.	Administration Block FAR	960.7
2.	Hospital Block FAR	33,537

3.	Hostel Block FAR	5099.5
4.	Nursing Institute FAR	4201.91
	Total FAR (A)	43,799.11
Non-FAR Area		
5.	Basement Area	2769
6.	Area under services (Hospital Block)	1643.29
	Total Non-FAR (B)	4412.29
TOTAL BUILT-UP AREA (A+B)		48,211.4

7. Population details:

S. No.	PARTICULARS	POPULATION
a.	Outdoor patients	2500
b.	Indoor patients	350
c.	Residential Staff (Doctors, Nurses, etc.)	400
d.	Non-Residential Staff (Doctors, Nurses, etc.)	500
e.	Attendants with IPD patients	1000
f.	Nursing College Staff & Students	150
g.	Para Medical Staff & Students	100
	TOTAL (A + B + C + D + E + F + G)	5000

8. Water requirement details:

S. No.	Description	Occupancy	Rate of water demand (lpcd)	Total Water Requirement (KLD)
a.	DOMESTIC WATER			
	IPD patients/Beds	350	450	157.5
	OPD patients	2500	15	37.5
	Attendants with IPD patients	1000	135	135
	Residential Staff (Doctors, Nurses, etc.)	400	135	54
	Nursing College Staff and student	150	135	20.25
	Para Medical Student & Staff	100	135	13.5
	Non-Residential Staff (Doctors, Nurses, etc)	500	45	22.5
b.	LAUNDRY	350 Beds	130 l/bed	45.5
c.	HORTICULTURE	4938.36 m^2	6 l/sqm	29.63
d.	HVAC COOLING* (1000 TR)		8 lit/TR/hr	128
GRAND TOTAL (A+B+C+D)				644 KLD

9. Wastewater Calculations w.r.t. ETP :

S. No.	Description	Quantity (KLD)
1.	Fresh and flushing water requirement for the hospital including: IPD (@15% of total IPD water requirement) OPD (@100% of total OPD water requirement) OT, Blood Bank and Lab Laundry	139.63 26.63 37.5 30 45.5
2.	Wastewater going to ETP @ 80% of (26.63 + 37.5KLD) and 100% of (30 KLD + 45.5 KLD)	51.30+30+45.5 = 127 KLD
3.	ETP Capacity	150 KL

10. Wastewater Calculations w.r.t. STP:

S. No.	Description	Quantity (KLD)
1.	Fresh water requirement for the hospital (excluding IPD, OPD, OT, Blood Bank, Lab & Laundry) @ 70% of (486 – 139.63 = 346.37 KLD)	242
2.	Flushing water requirement for (excluding IPD, OPD, OT, Blood Bank, Lab & Laundry) @ 30% of (486 – 139.63 = 346.37 KLD)	104

3.	Wastewater going to STP @ 80% of (242 KLD) and 100% of (104 KLD)	194 + 104 = **298**
4.	STP Capacity	350 KL

11. Solid waste generation details:

S. No.	Category	Norms (Kg/capita/d)	Waste (Kg/d)
1.	Inpatients/beds*	350 @ 1.5 kg/day	525
2.	Staff (Doctors, Nurses, etc.)	400 @ 0.5 kg/day	200
3.	Nursing College Staff & Student	150 @ 0.5 kg/day	75
4.	Para Medical Staff & Student	100 @ 0.5 kg/day	50
5.	IPD Patient attendants	1000 @ 0.5 kg/day	500
6.	Out-Patients	2500 @ 0.15 kg/day	375
7.	Non-Residential Staff (Doctors, Nurses, etc.)	500 @ 0.25 kg/day	125
8.	Landscape waste (1.22 acre)	@ 0.2 kg/acre/day	0.24
	Total Municipal Waste		1850.24 kg/d
9.	STP Sludge		31
10.	ETP Sludge		15
	Total Solid Waste		1896.24 kg/d
	*Bio-Medical waste	@ 25% of the waste generated/bed	131.25 kg/d

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

RESOLUTION AGAINST AGENDA NO-06

The committee discussed the matter and recommended grant of environmental clearance for the project proposals alongwith general conditions as earlier prescribed by authority for construction project and following specific conditions:

1. Emergency exit should be provided.
2. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
3. The waste water generated should be treated properly in scientific manner i.e. domestic waste water to be treated in STP and industrial effluent such as RO rejects with high TDS and other chemical bearing effluent shall be treated separately.
4. 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.
5. 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.
6. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
7. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
8. Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings.

9. 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 and First Aid Room etc.
10. 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.
11. 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.
12. Bio medical waste management shall be followed as per The Bio-Medical Waste (Management and Handling) Rules, 2016. Special attention to be given for Mercury waste management and disposal. Authorization certificate is to be obtained from Pollution Board and you cannot hold bio medical waste more than 24 hours.
13. Necessary permissions should be sought for use and safe disposal of radioactive materials. Procedural protocol prescribed by competent authority should be followed for the same.
14. Sewage/other effluents from infectious diseases ward and pathology/laboratory should be treated/disinfected separately prior to ETP.
15. A 2% of the total project cost Corporate Environmental Responsibility (CER) plan along with budgetary provision shall be prepared phase wise and approved by Board of Directors of the company. A copy of resolution as above shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted alongwith photographs. No parking shall be allowed outside the project boundary.
16. Parking space for ambulances shall be exclusively earmarked.
17. Police post shall be provided near emergency.
18. Dedicated power supply to be installed in Operation Theaters and other critical areas
19. Accommodation for attendants to be provided near indoor nursing wards.
20. 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.
21. 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.
22. Disposal of muck during construction phase should 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.
23. Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the UP Pollution Control Board.
24. 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.

7. **Construction of Proposed Group Housing Project "SKA Metro Ville" at Plot No.- GH-1 B(3), Sector- ETA-II, Greater Noida, District- Gautam Budh Nagar, U.P., M/s Kamroop Infrabuild Pvt. Ltd. File No. 4328/ Proposal No.SIA/UP/NCP/75292/2018**

A presentation was made by the 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 "SKA Metro Ville" at Plot No.- GH-1 B(3), Sector- ETA-II, Greater Noida, District- Gautam Budh Nagar, U.P., M/s Kamroop Infrabuild Pvt. Ltd.
2. Salient features of the project:

Name and Location of the Project	Group housing project "SKA Metro Ville" at Plot No GH-1B(3) Sector –ETA-II, Greater Noida (U.P.)
Developers of the project	M/s Kamroop Infrabuild Pvt Ltd
Total Plot Area	20073.92 sq. m. (2.00 Hectares approx)
Built-up Area	128004.42 sq. m
Number of Dwelling Unit	1062 Main Dwelling Units
Total Fresh Water Requirement	364.0 KLD
Power Requirement	2714.0 KVA
Power Backup	DG set of Capacity : 500 KVA X 3 Nos = 1500 KVA
Total Parking Proposed	Parking Proposed – 1121 ECS
Solid Waste to be Generated	2.172 MT/Day – Municipal solid waste & 29.0 kg/day – Horticulture waste Out of Total Solid Waste, Organic waste will be 869.0 Kg/Day and rest 1303.0 Kg/Day will be inorganic waste.
Total Project Cost	290.0 Crores
Solar Lights	The 100% basement lighting will be done through solar lighting system.

3. Area details of the project:

S. No.	Particulars	Area in Sq.m.	Percentage
1	Plot Area	20073.92	---
2	Permissible Ground Coverage	7025.872	35.0 % of plot area
3	Proposed Ground Coverage	4807.14	23.94 % of plot area
4	Permissible Basic F.A.R	70258.72	@3.5
5	Purchase F.A.R	10036.96	@0.5
6	Subtotal Permissible F.A.R	80295.68	@ 4.0
7	Permissible Green Building F.A.R	3512.936	@ 5 % of Permissible FAR 3.5
8	Total Permissible F.A.R	83808.616	-
9	Total Proposed F.A.R	83788.25	@ 4.17
10	NET Residential Permissible F.A.R	83005.666	
11	Proposed Residential F.A.R	82957.4	
12	Permissible Commercial F.A.R	802.95	@ 1 %
13	Proposed Commercial F.A.R	801.82	-
14	Proposed Upper Basement Area	14114.68	-
15	Proposed Lower Basement Area	16195.81	-
16	Proposed Basement Area (Upper+ Lower)	30310.49	-
17	Proposed Stilt/Service Area	3389.5	-
18	Proposed 15 % of Prescribed FAR	10516.18	-
19	Non FAR Area	33699.99	Upper basement + Lower Basement + Stilt

20	Built up Area	128004.42	-
21	Required Parking	1047	
22	Proposed Parking	1121	
23	Permissible D.U's	1070	
24	Proposed D.U's	1062	
25	Open Area	15266.78	
26	Required Landscape Area	7633.39	
27	Proposed Landscape Area	7675.50	50.27 % of open area

4. Land use details:

Sr No	Particulars	Area	% of Total Plot
01	Covered Area	4807.14	23.94
02	Road, Paved Area etc.	7591.28	37.81
03	Green Area	7675.50	38.23
Total Land Area		20073.92	100 %

5. Building block details:

Sl. No.	Tower	Ground Coverage	FAR	Prescribed FAR	Dwelling Unit	Floors
1	Block-ASTER	1154.26	22229.0	2388.369	320	S+32rd Floor
2	Block-ZINNIA	1154.26	21538.0	2318.464	310	S+31rd Floor
3	Block-TULIP	1023.68	19581.462	1946.0	216	S+27rd Floor
4	Block-ORCHID	1023.68	19581.5	1946.0	216	S+27rd Floor
5	Commercial Area	277.95	801.82	46.32	-	-
6	Community	76.35	-	-	-	-
7	Pray Room	75.00	-	-	-	-
8	Guard Room	11.95	-	-	-	-
9	Meter Room	10.00	-	-	-	-
Total		4807.14	83731.782	8645.153	1062	-

6. Water calculation details:

Sl. No.	Description	Floors	No. of Dwelling Units	Population @ 4.5 persons / DU and 3 SqM commercial area/ person	Area	Population	Rate of Fresh Water Read per person per day	Fresh Water Read	Rate of Flushing Water Required per person per day	Flushing/ Recycled Water Required	Total water required
					(Sq M)	(Persons)	(Litres)	KLD	(Litres)	KLD	KLD
1	Block-ASTER	S+33	320	4.5		1440	65	93.60	21	30.24	123.84
2	Block-ZINNIA	S+32	310	4.5		1395	65	90.68	21	29.30	119.97
3	Block-TULIP	S+28	216	4.5		972	65	63.18	21	20.41	83.59
4	Block-ORCHID	S+28	216	4.5		972	65	63.18	21	20.41	83.59
5	Floating Population					477.9	65	31.06	21	10.04	41.10
6	*Community Centre			1.5	1033.31	689	10	6.89	5	3.45	10.34
7	*Commercial			3	801.82	283	35	9.91	10	2.83	12.74
8	Miscellane							5.00		0.00	5.00

	ous										
9	Landscape (@ 1 lt/ sqm)				7675.5					7.68	7.68
			Sub-Total Water Demand					363.49		124.35	487.84
Total Waste Water Generation								290.79		116.67	407.46
STP Proposed of Capacity								500.0 KLD (20% extra as per MOEF Norms)			

7. Waste water details:

Particulars	Quantity	Unit
Total Fresh water Requirement	364.0	KLD
Flushing (Recycled water)	116.0	KLD
Treated waste water used in Horticulture / Landscape	8.0	KLD
Total Water Requirement	488.0	KLD
Total Waste Water Generated	408.0	KLD
Sewage Treatment Plant Capacity Required	500.0	KLD
(Extra 20 % as per MoEF & CC Norms)		

8. Parking details:

Description	Parking Required	Parking (E.C.S.)
Parking Required	83788.25/ 80 m2 = 1047 Total Parking required = 1047	1047 ECS
Proposed Parking Details		
Particular	Area for ECS Parking (sq. m.)	No. of Parking Provided (ECS)
Open Parking (@20 sqm / ECS)	4260.0	214
Stilt Parking (@30 sqm/ ECS)	960.0	32
Upper Basement (@ 30 sqm / ECS)	12127.19	404
Lower Basement (@ 30 sqm / ECS)	14123.76	471
All total cars parking provided = 1121 ECS		

9. Solid waste generation details:

Municipal Solid Waste						
S.No.	Particulars	Waste generation Norms per unit (kg/capita/day)	Population	Area (sqm)		Waste Generated Kg/Day
1	Residential	0.4	4779	83788.25		1911.6
2	*Community Centre	0.15	689	1033.31		103.3
3	*Commercial	0.15	283	801.82		42.4
4	Floating population	0.15	477.9	-		71.6
Total Municipal Waste						2129.0
As per NBC, Out of total solid waste 40 % waste will be biodegradable and rest is non biodegradable. Hence, Bio degradable Municipal solid waste will be 869.0 kg/Day.						
* 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		7675.50		28.3
* Horticulture Waste Generation has been calculated as Solid Waste Management Rules, 2016						
Electronic Waste Generation Calculation						
S.No.	Particulars	Waste generation Norms per unit (Kg/capita/year)		Area (sqm)		Waste Generated Kg/Year
1	E- Waste	0.15	4779.0	-		716.0 (1.96 Kg/Day)
* E- Waste Generation has been calculated as per E waste (management) Rule 2016						

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

RESOLUTION AGAINST AGENDA NO-07

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

1. Emergency exit should be provided by the project proponent.
2. Minimum 3% of solar energy to be used alternatives on the road and common places for illumination to save conventional energy as per ECBC Code.
3. The project proponent shall submit within the next 3 month the data of ground water quality including fluoride parameter to the limit of minimum deduction level for at least 02 monitoring stations.
4. 15% area of the total plot area shall be compulsorily made available for the green area development including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
5. The waste water generated should be treated properly in scientific manner i.e. domestic waste water to be treated in STP and effluent such as RO rejects with high TDS and other chemical bearing effluent shall be treated separately.
6. Permission from local authority should be taken regarding discharge of excess water into the sewer line.
7. The height, Construction built up area of proposed construction shall be in accordance with the local body norms.
8. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
9. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
10. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
11. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 20016.
12. 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.
13. 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.
14. 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.
15. Corporate Environmental Responsibility (CER) shall be by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent

CER notification No. 22-65/2017-IA.III dated 01/05/2018. 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.

16. No parking shall be allowed outside the project boundary.
17. 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.
18. Surface rain water has to be collected in kacchha pond with fencing for ground water recharging and irrigation of horticulture and peripheral plantation.
19. 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.
20. Disposal of muck during construction phase should 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.
21. Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the UP Pollution Control Board.
22. 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.
23. 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.
24. The green area design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential area. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green Area Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
25. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
26. Pavements shall be so constructed as to allow infiltration of surface run-off of rain water. Construction of pavements around trees should be able to facilitate suitable watering, aeration and nutrition to the tree.
27. Ready Mix Concrete and Sprinkler to be used for curing and quenching during construction phase.
28. Convenient shops, bank, canteen, post office and medicine shops etc to be provided with in complex.
29. 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.
30. NOC from Ground Water Board is to be submitted for drilling of tube well for use of Water Supply.
31. All the internal drains are to be covered till the disposal point.
32. 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.
33. Reflecting point should be used on the roof top and side walls of the building tower for cooling effect.

8. **Dr. Ram Manohar Lohiya Institute of Medical Sciences, New Campus, Plot No.-7/31 and 7/32, Sector- 07, Gomti Nagar Vistar, District- Lucknow, U.P. Prof. Deepak Malviya, Director, Dr. Ram ManoharLohiya Institute of Medical Sciences, Vibhuti Khand, Gomti Nagar, District- Lucknow,U.P File No. 4331/ Proposal No.SIA/UP/NCP/75354/2018**

RESOLUTION AGAINST AGENDA NO-08

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

1. NOC from AAI.
2. NOC from Fire Department.
3. NOC from CGWA regarding extraction of ground water.
4. Structural design certificate signed by structural engineer duly vetted should be submitted preferably by IIT.

The matter shall be taken up only after submission of information as above on online prescribed portal.

9. **Expansion & Modification of Group Housing Project "La Royale" at Plot No- GH-01, Indirapuram Vistaar Yojna, Indirapuram, Tehsil & District- Ghaziabad, U.P.,M/s MKS Infratech Pvt. Ltd. File No. 4338/ Proposal No.SIA/UP/NCP/75394/2018**

RESOLUTION AGAINST AGENDA NO-09

The project proponent requested to defer the matter in next SEAC meeting. The committee discussed the matter and directed to defer the matter on request.

10. **Proposed Greenberry Signatures at Plot No.- 12/GH-7, Sector- 12, Vrindavan Yojana, District- Lucknow, U.P.,M/s Tejas Infrastructure Pvt. Ltd. File No. 4361/ Proposal No.SIA/UP/NCP/75497/2018**

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

1. The environmental clearance is sought for Proposed Greenberry Signatures at Plot No.- 12/GH-7, Sector- 12, Vrindavan Yojana, District- Lucknow, U.P.,M/s Tejas Infrastructure Pvt. Ltd.
2. Salient features of the project:

Plot area	11527.50m^2
Ground Coverage	3598.79 m^2

Built-up Area	47278.05 m^2
Green Area	1556.17 m^2
Total Expected Population	2735 persons
Electric Load	11 KV Network
Source of water supply	02 no. bore well
Total Consumption of Water	182.27 KLD
Total MSW generated	1376.75 Kg/Day
Total Transit Centers	01 no.
Proposed rainwater harvesting pits	5 nos.
STP capacity	37.5 MLD STP at Sector-10, Telibagh Vrindavan Yojna-04 based on SBR Technology.
Total Project Cost	71.483 Crore

3. Land use details:

S. No.	Particulars	Area (m^2)	%age
1	Ground coverage	3598.79	31.22
2	Road Area + Parking Area	4853	42.09
4	Green Area	1556.17	13.50
5	Open Area	1519.54	13.19
Total Plot area		11527.50	100

4. Population details:

S. NO.	STAFF DESIGNATION	Population
1.	Residents (5 person each DU)	1920
2.	Service Staff	750
3.	Visitors	40
4.	Commercial Staff	25
Total Expected Population		2735

5. Water requirement details:

S.no.	Water Use	Population	Per Capita in (LPCD)	Water Requirement (KLD)	Waste Water Generation (KLD)
1.	Residents	1920	86	165.12	132.09
2.	Service Staff + Commercial Staff	65	45	2.9	2.32
3.	Visitors	750	15	11.25	9
TOTAL DOMESTIC WATER REQUIREMENT				179.27	143.41
5.	Gardening/Landscape Area	1556.17	1 l/m^2	1.55	Nil
6.	D.G. Set	02x800 KVA	0.91/KVA/4hr	1.45	Nil
TOTAL WATER REQUIREMENT				182.27	143.41

6. Parking details:

Floor	No of Car Parking(A)	No of two wheeler Parking (B)	Two Wheeler Parking Space ECS is 0.25 (C=B*0.25)	Total no of Car Parking (A+C)	Parking as per ECS with circulation
Basement	132.00	291	72.75	205	245
Stilt	32.00	229	57.25	89	82
Surface	135.00			135	211
Total	299.0	520	130	429	538
Total no of Parking+ Visitors car parking			=	467	538

7. Total expected MSW generated as 1376.75 Kg/day.
8. 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 along with general conditions as earlier prescribed by authority for construction project and following specific conditions:

1. Minimum 3% of 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 at least 02 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 local body norms.
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, 20016.
11. 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.
12. 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.
13. 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.
14. Corporate Environmental Responsibility (CER) shall be by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. 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.
15. No parking shall be allowed outside the project boundary.
16. 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.

17. Surface rain water has to be collected in kacchha pond with fencing for ground water recharging and irrigation of horticulture and peripheral plantation.
18. 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.
19. Disposal of muck during construction phase should 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.
20. Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the UP Pollution Control Board.
21. 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.
22. 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.
23. 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. 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.
24. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
25. 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.
26. Ready Mix Concrete and Sprinkler to be used for curing and quenching during construction phase.
27. Convenient shops, bank, canteen, post office and medicine shops etc to be provided with in complex.
28. 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.
29. NOC from Ground Water Board is to be submitted for drilling of tube well for use of Water Supply.
30. All the internal drains are to be covered till the disposal point.
31. 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.
32. Reflecting point should be used on the roof top and side walls of the building tower for cooling effect.

11. **Institutional Project at Khasra No.- 713, 714, 816, Khata No.-358, 461, Village Chaumuhan, Akbarpur, Tehsil- Chhata, District- Mathura, U.P. Shri Mayank Gautam, Secretary, 20-A Govind Nagar, Mathura. File No. 4364/ Proposal No.SIA/UP/MIS/75377/2018**

RESOLUTION AGAINST AGENDA NO-11

The project proponent 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.

12. **Affordable Housing Project at Plot No.-GH-02, Omicron-1A, Greater Noida, Gautam Budha Nagar, U.P. M/s Greater Noida Industrial Development Authority. File No. 4231/ Proposal No.SIA/UP/NCP/25241/2018**

The committee noted that the project proponent has applied the project under violation matter in light of MoEFCC, Govt. of India Notification dated 08/03/2018. A presentation was made by the project proponent along with their consultant M/s Grass Roots Research & Creation India (P) Ltd. The proponent, through the documents submitted and the presentation made, informed the committee that :-

1. The environmental clearance is sought for Affordable Housing Project at Plot No.-GH-02, Omicron-1A, Greater Noida, Gautam Budha Nagar, U.P. M/s Greater Noida Industrial Development Authority.
2. Salient features of the project:

PROJECT FEATURE	DETAILS
Type of Project	Group Housing project
Total Plot Area	36,585 m^2 (9.04 acre)
Built-Up Area	1,44,005,87 m^2
Population	6644 persons
Fresh Water Requirement	370 KLD; Source: GNIDA
Solid Waste	3046 kg/day
Electrical load	6,966.11 kW. ; Source: NPCL
Power back-up	3 no. of DG sets of 3,750 kVA (3X 1250 kVA each)
No. of RWH pits	9
Parking Required: Parking Proposed:	1006 ECS (As per MoEFCC & Bye laws respectively) 1008 ECS
Project Cost	INR 1951.18 Lacs

3. Area details of the project:

S. No.	PARTICULARS	AREA (m^2)
1.	Plot Area	36,585
2.	Permissible Ground Coverage (@ 30 %)	10,975.5
3	Achieved Ground Coverage (@ 22.44%)	8,208.58
4.	Permissible F.A.R. (@ 2.75 of Plot area)	1,00,608.75
5.	Achieved F.A.R. (@ 2.69 of Plot area)	98,486.87

6.	Non FAR	45,519
7..	Built Up Area	1,44,005,87
8..	Landscape Area (@ 40.75 % of the plot area)	14,909.07

4. Population details:

S. No.	Unit Type	D.U./FAR (m^2)	PPU	Total Population
1.	Residential population			
	LIG	702 D.U.	4.5	3159
	MIG	580 D.U.	4.5	2610
2.	Staff		@ 5%	288
3.	Visitors		@ 10%	577
4.	Shopping & Community Centre (Staff)	900 m^2	@ 1 person/10 m^2 FAR [10% of shopping & community population]	10
	GRAND TOTAL			6644

5. Water requirement details:

S. No.	Description	Area (m^2)	Occupancy	Rate of water demand (lpcd)	Total Water Requirement (KLD)
A.	Domestic Water				
1.	Residential development				
	LIG		3159	86	271.674
	MIG		2610	86	224.46
	Staff		288	30	8.64
	Visitors		577	15	8.655
2.	Shopping & Community Centre (Staff)		10	30	0.30
Total domestic water demand					514 KLD
B.	Horticulture	14,909.07		1 l/sqm	15
Grand Total (A+B) = 529 KLD					

6. Waste water details:

Domestic Water Requirement	529 KLD
Fresh (70% of domestic)	370 KLD
Flushing (30% of domestic)	159 KLD
Waste Water (80% fresh water + 100% flushing)	(296 + 159) 455 KLD Say 455 KLD

7. Solid waste generation details:

S. No.	Category	Norms (kg per capita per day)	Waste generated (kg/day)
1.	Residential development		
	LIG (3,159)	@ 0.5	1,579.5
	MIG (2,610)	@ 0.5	1,305
	Staff (288)	@ 0.25	72
	Visitors (577)	@ 0.15	86.55
2.	Shopping & Community Centre Staff (10)	@ 0.25	2.5
3	Landscape waste (3.504 acres)	@ 0.2 kg/acre/day	0.701
	TOTAL SOLID WASTE GENERATED		3046 kg/day

8. Parking details:

S. No.	DESCRIPTION	Parking (ECS)
Parking Required as per MoEFCC Norms & Bye rules:		

1.	ECS Required	100608.75 m^2	100608.75/100	1006
TOTAL PARKING REQUIRED				1006 ECS
Parking Proposed:				
1.	Basement Parking	24069.67 m^2	24069.67/30	802
2.	Stilt Parking	6151.33 m^2	6151.33/30	206
TOTAL PARKING PROPOSED				1008 ECS

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

RESOLUTION AGAINST AGENDA NO-12

The committee discussed the matter in light of MOEFCC Notification dated 08/03/2018 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 conditions:

1. The construction should be immediately stopped. Recent site photographs with date, time and geo coordinates and 05 minutes video CD should be made available within 15 days after the receipt of the minutes.
2. The project proponent should explain the reason of intentionally violation of E.P. Act.
3. 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 as per MoEF Notification dated 08/03/2018.
4. 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.
5. Status report regarding construction/development work already taken up.
6. All registry documents, Approved layout plan by the competent authority and all building plans.
7. All services plan is to be submitted like sewerage, drainage, external electrification, rain water harvesting, landscape plan with list of trees, water supply, OHT for firefighting etc.
8. Details of land use with area and percentage.
9. Discharge point of Sewerage and drainage.
10. Plan for use of reflecting paints on roof top and all side walls.
11. Provide Geo- coordinates of the project site.

12. Analyze the surface water quality including chemical and Biological parameters.
13. Ambient air monitoring to be carried out.
14. Project description, its importance and the benefits,
15. Project site details (location, top sheet of the study area of 10 km, coordinates, Google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage)
16. Land use as per the approved Master Plan of the area, Permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board, etc.
17. Land acquisition status, R & R details.
18. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 km Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection)Act, 1972 and/or the Environment(Protection) Act, 1986,
19. Baseline environmental study for ambient air($PM_{10,}$ $PM_{2.5,}$ $SO_{2,}$ NO_x & CO), water(both surface and ground), noise and soil for one month (except monsoon period) as per MoEF & CC/ CPCB guidelines at minimum 5 location in the study area of 10 km,
20. Details on flora and fauna and socio-economic aspects in the study area
21. Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land flora and fauna and socio-economic, etc.)
22. Source of water different identified purposes with the permissions required from the concerned authorities both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc,
23. Waste water management (treatment, reuse and disposal) for the project and also the study area,
24. Management of solid Waste and the construction & demolition waste for the project vis-a-vis the Solid Waste Management Rules, 2016 and the Construction & Demolition Rules, 2016
25. Energy efficient measures (LED lights, solar power, etc.) during construction as well as during operational phase of the project,
26. 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.
27. 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.
28. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.

13. **Affordable Housing Project at Plot No.-L & M, Sector- 12, Greater Noida, District- Gautam Budha Nagar, U.P., M/s Greater Noida Industrial Development Authority. File No. 4232/ Proposal No.SIA/UP/NCP/25282/2018**

The committee noted that the project proponent has applied the project under violation matter in light of MoEFCC, Govt. of India Notification dated 08/03/2018. A presentation was made by the project proponent along with their consultant M/s Grass Roots Research & Creation India (P) Ltd. The proponent, through the documents submitted and the presentation made, informed the committee that :-

1. The environmental clearance is sought for Affordable Housing Project at Plot No.-L & M, Sector- 12, Greater Noida, District- Gautam Budha Nagar, U.P., M/s Greater Noida Industrial Development Authority.
2. The plot area measures 10,000 m^2 (2.47 acre) and the total built-up area is **39286.03** m^2. The PP inform that almost 90% construction has been completed at site.
3. Salient features of the project:

PROJECT FEATURES	Project Details
Population	2001 persons
Water Requirement	157 KLD (fresh water = 108 KLD) Source: GNIDA
Waste water generation	132 KLD
Power Demand Power Back-up	1470.96 kVA (1 x 750 kVA) DG
Source of Power	Noida Power Corporation Limited (NPCL)
Solid Waste Generation	909 kg per day
Parking Facilities	275
Project Cost	INR 81.24 Crores

4. Area details of the project:

SI. No.	Particulars	Area (in m^2)
1.	Plot Area	10,000
2.	Permissible Ground Coverage (@ 30%)	3000
3.	Proposed Ground Coverage (@ 25.97%)	2596.87
4.	Permissible FAR (@ 2.75)	27500
5.	Proposed FAR (@ 2.72)	27239.68
6.	Total Non FAR	9499.39
8.	Landscape area (30.78 % of Plot area)	3078.25
9.	Built Up Area(5+6)	39286.03

5. Population details:

S. No.	Unit Type	D.U./FAR (m^2)	PPU	Total Population
1.	Residential Development			1973
	1 BHK	285 D.U.	4.5	1283
	3 BHK	96 D.U.	4.5	432
	Staff		@ 5% of 1 BHK + 3 BHK	86
	Visitors		@ 10% of 2 BHK + 3 BHK	172
2.	Shopping & Community Centre Staff	281.06 m^2	@ 1 person/10 m^2 FAR @ 10% of shopping & community population	28 3

	Visitors		@ 90% of shopping & community population	25
	GRAND TOTAL			2001

6. Water requirement details:

S. No.	Description	Area (m^2)	Occupancy	Rate of water demand (lpcd)	Total Water Requirement (KLD)
1.	Residential Development				
	1 BHK		1283	86	110
	3BHK		432	86	37
	Staff		86	30	3
	Visitors		172	15	3
2.	Shopping & Community Centre Staff Visitors		 3 25	 30 15	1 0.09 0.375
Total domestic water demand (1+2)					154
3.	Horticulture	3078.25		1 l/sqm	3
GRAND TOTAL = 157 KLD					

7. Waste water details:

Domestic Water Requirement	154 KLD
Fresh (70% of domestic)	108 KLD
Flushing (30% of domestic)	46 KLD
Waste Water (80% fresh water + 100% flushing)	132 KLD

8. Solid waste generation details:

S. No.	Category	Population/ Area(in acres)	Norms (kg per capita per day)	Waste Generated(kg per day)
1.	Residential			
	1 BHK	1283	@ 0.5	641.5
	3 BHK	432	@ 0.5	216
	Staff	86	@ 0.25	21.5
	Visitors	172	@ 0.15	25.8
2.	Shopping and Community Centre			
	Visitors	25	@ 0.15	3.75
	Staff	3	@ 0.25	0.75
3.	Landscape Waste	0.76 acres	@ 0.2 kg/acre/day	0.152
	TOTAL SOLID WASTE GENERATED			909.452 say 909 kg

9. Parking details:

S. No.	Particular	Area proposed for Parking (in m^2)	Area Required /ECS	Parking Proposed (in ECS)
1.	Basement Parking	6419.26	30	214
2.	Stilt Parking	1841.94	30	61
Total Parking Proposed				275 ECS

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

RESOLUTION AGAINST AGENDA NO-13

The committee discussed the matter in light of MOEFCC Notification dated 08/03/2018 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 conditions:

1. The construction should be immediately stopped. Recent site photographs with date, time and geo coordinates and 05 minutes video CD should be made available within 15 days after the receipt of the minutes.
2. The project proponent should explain the reason of intentionally violation of E.P. Act.
3. 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 as per MoEF Notification dated 08/03/2018.
4. 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.
5. Status report regarding construction/development work already taken up.
6. All registry documents, Approved layout plan by the competent authority and all building plans.
7. All services plan is to be submitted like sewerage, drainage, external electrification, rain water harvesting, landscape plan with list of trees, water supply, OHT for firefighting etc.
8. Details of land use with area and percentage.
9. Discharge point of Sewerage and drainage.
10. Plan for use of reflecting paints on roof top and all side walls.
11. Provide Geo- coordinates of the project site.
12. Analyze the surface water quality including chemical and Biological parameters.
13. Ambient air monitoring to be carried out.
14. Project description, its importance and the benefits,
15. Project site details (location, top sheet of the study area of 10 km, coordinates, Google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage).

16. Land use as per the approved Master Plan of the area, Permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board, etc.
17. Land acquisition status, R & R details.
18. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 km Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection)Act, 1972 and/or the Environment(Protection) Act, 1986,
19. Baseline environmental study for ambient air($PM_{10,}$ $PM_{2.5,}$ $SO_{2,}$ NO_x & CO), water(both surface and ground), noise and soil for one month (except monsoon period) as per MoEF & CC/ CPCB guidelines at minimum 5 location in the study area of 10 km,
20. Details on flora and fauna and socio-economic aspects in the study area
21. Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land flora and fauna and socio-economic, etc.)
22. Source of water different identified purposes with the permissions required from the concerned authorities both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc,
23. Waste water management (treatment, reuse and disposal) for the project and also the study area,
24. Management of solid Waste and the construction & demolition waste for the project vis-a-vis the Solid Waste Management Rules, 2016 and the Construction & Demolition Rules, 2016
25. Energy efficient measures (LED lights, solar power, etc.) during construction as well as during operational phase of the project,
26. 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.
27. 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.
28. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.

14. **Modernization of Existing Common Effluent Treatment Plant (CETP) for Tannery Cluster at Village-Jajmau, Tehsil-Bilhaur, District-Kanpur Nagar, U.P. M/s Jajmau Tannery Effluent Treatment Association. File No. 4445/ Proposal No. SIA/UP/MIS /28592/2018**

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

1. The environmental clearance is sought for Modernization of Existing Common Effluent Treatment Plant (CETP) for Tannery Cluster at Village-Jajmau, Tehsil-Bilhaur, District-Kanpur Nagar, U.P. M/s Jajmau Tannery Effluent Treatment Association.
2. The proposed project is installation of new CETP of 20 MLD (Effluent – 18 MLD & Sewerage- 2 MLD) on the existing vacant land to treated effluent generated from 380 tannery units present in Jajmau tannery cluster.
3. The capacity of the existing CETP at Jajmau has been designed only for Tannery waste water discharge of 9 MLD (total Capacity 36 MLD: - Effluent: 9 MLD & Sewerage: 27 MLD). The existing CETP is not adequate for treatment of effluent generated from tannery units to achieve standards given by MoEF&CC. The existing CETP was established in 1993.
4. The proposed project is also introducing modernization of existing CCRU unit from 70 KLD to 900 KLD to recover chrome from waste water and reuse of chrome and salts, new collection & Conveyance system to improve the collection and avoid bye-passing of the inflow coming to CETP.
5. Existing CETP (36 MLD) will be converted into STP of 36 MLD after the retrofitting of the existing structure. It will be used to treat sewerage of Kanpur area.
6. New CETP of 20 MLD up to UF treatment in Phase-1 and RO treatment in Phase-2 (based on Low Loaded Extended Aeration biological treatment).
7. Modernization of existing Common Chrome Recovery Unit from 70 KLD to 900 KLD.
8. Pilot plant of 200 KLD for R&D purpose.
9. Retrofitting of existing CETP to STP of 36 MLD (based on UASB).
10. To meet the CETP discharge standards for treated effluent quality norms as per the MoEF & CC notification dated Jan 1, 2016, except TDS and its related parameters (Sulphates & Chlorides). This can be achieved through having Primary, Secondary & Tertiary treatment upto Ultra Filtration (UF) stage.
11. To achieve Water Recovery through incorporation of Tertiary Treatment with RO Systems to comply with the Hon'ble NGT Judgement, which restricts the effluent released to the river to only 25% of the total discharge. This means the CETP is to recycle and reuse a minimum of 75% of the treated effluent for industrial units at Jajmau, agriculture or horticulture activity in that area or nearby areas and for cooling purpose of the power plants located in close vicinity.
12. The existing open drain effluent collection & conveyance system needs to be replaced with underground sewer pipes to improve the collection and avoid bye-passing of the inflow coming to CETP.
13. Spent Chrome liquor collection from each Tannery units through tankers to CCRU of 900 KLD capacity and further reuse of Chromium in the unit.
14. Salient features of the project:

S.N.	Description	Details
1.	CETP	Phase 1: 20 MLD upto UF Treatment Phase 2: Addition RO treatment

	STP	36 MLD
	CCRU	900 KLD (Existing: 70 KLD & after expansion: 900 KLD)
	Collection & Conveyance System	Closed Pipe line
	Pilot Plant (CETP)	200 KLD with R.O. & MEE plant
2.	Project Cost	Phase 1: Rs. 511 Crore Phase 2: Rs. 69 Crore Total: Rs. 580 Crore
3.	Total Plot Area	52.4 Acre
4.	Manpower	68
5.	Power Requirement	Phase 1: 7.5 MW Phase 2: 1.9 MW Total: 9.4 MW
6.	Power Backup	Phase 1: 10 x 1000 KVA Phase 2: 2 x 1000 KVA Total: 12 x 1000 KVA
7.	Operation of Hours	24
8.	Domestic Water Requirement (KLD)	63 KLD Fresh: 3 KLD (Source: Municipal Supply) Treated: 60 KLD (Source: Treated water)
9.	Domestic Waste Water Generation	2.5 KLD (to be discharged to proposed STP)

15. Land use details:

Land Use	Area in Acre	%
CETP	20.58	39.27
Salt & Sludge Area (3 months)	2.45	4.67
Common Chrome Recovery Plant (CCRU)	1.52	2.90
Green Area	12.95	24.71
Admin Building	1.37	2.615
STP area	7.0	13.35
Sub station	3.02	5.76
Other	3.51	6.70
Total	52.40	100

16. Waste generation details:

Category	Type of Waste	Color of Bins	Disposal Method	Total Waste (Kg/day)
Bio Degradable	Organic Waste	Green	MSW Site	8
Non-Biodegradable	Recyclable Waste	Blue	Authorized Recycler	4
-	Total	-		12 Kg/day

- Process Waste:

Type of Waste	Source of waste	Quantity	Disposal
CETP Sludge	Bio-sludge from Biological Treatment	10.8 Tons/day	It will be used as manure as it contains important nutrients.
STP Sludge	STP Sludge	14.5 Tons/day	It will be used as manure as it contains important nutrients.
MEE Salt	From Pilot plant	-	MEE salt will be reused in the Tannery and Slaughter house

- Hazardous Waste:

Source of Sludge	Quantity (Tons/day)	Disposal
Sludge from Pre-settling Tank	11.7	TSDF Site
Chemical Sludge from Clariflocculator	54.2	TSDF Site
Chemical Sludge from LSS type reactor clarifier	61.5	To cement manufacture for co-processing in cement industry as it is lime based chemical sludge

Total	127.4 Tons/day	

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

RESOLUTION AGAINST AGENDA NO-14

During the presentation the project proponent requested for the exempt the case in the public consultation. The committee discussed and directed the project proponent to exemption for the public consultation cannot be granted.

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

1) Reasons for selecting the site with details of alternate sites examined/rejected/selected on merit with comparative statement and reason/basis for selection. The examination should justify site suitability in terms of environmental angle, resources sustainability associated with selected site as compared to rejected sites. The analysis should include parameters considered along with weightage criteria for short-listing selected site.
2) Details of the land use break-up for the proposed project. Details of land use around 10 km radius of the project site.
3) Details of member units, its production capacity, waste generation, characteristic and details of primary treatment provided by the member units.
4) Details on present treatment and disposal systems
5) Details of effluent collection system from member units level.
6) Details of hazardous waste collection. Sill proof arrangement
7) Examine and submit details of inlet characteristics.
8) Details of the CETP with design parameters. Layout plan of CETP. And open spaces.
9) Details of the adequate power back up facility, to meet the energy requirement in case of power failure from the grid.
10) Details of the usage of treated effluent for green belt development and horticulture.
11) Submit a copy of MoU made between the Member units.
12) Details of storage facility available at the CETP.
13) Examine and submit details of sludge / solid waste generated and method of disposal, MoU in this regard.
14) Details of water requirement, source and water balance chart .
15) Details of green belt
16) Details of performance monitoring , lab facility with technical persons.
17) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
18) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
19) Details of water meters for inflow and outflow monitoring etc.
20) 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/CETPs".

21) Public hearing to be conducted as per EIA Notification, 2006. 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.

(Dr. Arvind Mathur) **Member**	**(Dr. Virendra Misra)** **Member**	**(Dr. Richpal Singh Sangu)** **Member**
(Prof. D.P. Singh) **Member**	**(Dr. Ranjeet Kumar Dalela)** **Member**	**(Dr. Ajoy Kumar Mandal)** **Member**
(Shri Meraj Uddin) **Member**	**(Shri Rajive Kumar)** **Member**	**(Dr. Sarita Sinha)** **Chair-person**

Annexure-1

Terms of Reference for building projects

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. Physical features within 30 m of the project sites with their ownership.
7. Complete Details of facilities to be developed by the project proponent i.e. for which environment clearance is sought.
8. Use of reflecting paints on roof top and side walls.
9. Details of rain water harvesting are to be given.
10. Provision of 100% solar lighting along the road site, stair cases, common places.
11. Plan for EWS / LIG housing provision as per Development Authority bye-laws.
12. 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.
13. Water requirement and its management plan along with necessary permissions for discharge.
14. An underground Pucca tank with kaccha base for collection/reuse of rain water may be constructed.
15. Hydro-geological investigations to be carried out and obtain permission from Central Ground Water Authority for withdrawal of ground water.
16. Make provision for safety against failure in the operation of wastewater treatment facilities. Identify acceptable outfall for treated effluent.
17. Details of green belt as a measure for mitigation of dust and noise and buffer between habitation and proposed project.
18. Landscape plan, green belts and open spaces may be described separately.
19. 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.
20. 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.
21. Examine existing crèche, education, health facilities, police, post Office, Banks and other services and make adequate provisions in the proposal.
22. Assess soil erosion in view of the soil characteristics, topography and rainfall pattern.
23. Application of renewable energy/alternate energy, such as solar and wind energy may be described including solar water heating in the guidelines for entrepreneurs.
24. Consider solid wastes, including e-waste in addition to other solid wastes and their disposal.

25. Identification of recyclable wastes and waste utilization arrangements may be made.
26. Explore possibility of generating biogas from biodegradable wastes.
27. 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.
28. Provisions made for safety in storage of materials, products and wastes may be described.
29. Disaster management plan should be prepared.
30. Traffic management plan including parking and loading/unloading areas may be described. Traffic survey should be carried out both on weekdays and weekend.
31. 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.
32. Exclusive Parking area in the basement (excluding other facilities) and surface is to be clearly mentioned.
33. Provide service road for entry and exit to project site.
34. Use of local building materials should be described.
35. 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.
36. Work out MGLC for the combined capacity of DG sets.
37. Provide for conservation of resources, energy efficiency and use of renewable sources of energy in the light of ECBC code.
38. Application of resettlement and rehabilitation policy may be described. Project affected persons should be identified and rehabilitation and resettlement plan should be prepared.
39. Examine separately the details for construction and operation phases both for Environmental Monitoring Plan and Environmental Management Plan.
40. Corporate Environmental Responsibility (CER) plan along with budgetary provision amounting to 2% of project cost shall be prepared and approved by Board of Directors of the company.
41. Required no of trees should be proposed @ 01 tree/80 m^2, submit plan.
42. 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.
43. Declare/submit the running cost of STP and other environmental management services (e.g., Municipal Solid Waste Disposal, Green area 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.
44. 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.