

STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC)-DELHI
OFFICE OF DELHI POLLUTION CONTROL COMMITTEE
5th FLOOR, ISBT BUILDING, KASHMERE GATE, DELHI-110006

F.No. DPCC/MS/SEAC-IV/17/113/2021-22/ 4313 - 4319

Dated: 30/08/2022

MINUTES OF MEETING

Please find enclosed herewith the Minutes of Meeting of 113th Meeting of the State Level Expert Appraisal Committee (SEAC) held on **29.08.2022** in Conference Room of DPCC at 5th Floor , ISBT Building, Kashmere Gate, Delhi-110006 for information and necessary action, if any.


(Pankaj Kapil)
Member Secretary
SEAC, Delhi

To,

1. **Mr. Sarvagya Kumar Srivastava (Chairman, SEIAA)**, 370, Asiad village complex, Siri Fort, New Delhi 110049
2. **Special Secretary (Environment), Member Secretary, SEIAA**, Department of Environment, GNCTD, Level-6, C-wing, Delhi Secretariat, I P Estate, New Delhi-110002.
3. **Sh. Vijay Garg, Chairman (SEAC)**, Plot No. 21, D-Block, Pankha Road, Institutional Area, Janakpuri, Delhi-110058

Copy to:

1. **PS to Secretary (Environment) cum Chairman, DPCC**- for kind information.
2. **PA to Member Secretary, DPCC**- for kind information.
3. **EIA Cell, DPCC**
4. **IT Cell, DPCC** for placing the minutes on website


(Pankaj Kapil)
Member Secretary
SEAC, Delhi

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OFFICE OF DELHI POLLUTION CONTROL COMMITTEE
5th FLOOR, ISBT BUILDING, KASHMERE GATE, DELHI-110006

Minutes of the 113th Meeting of State Level Expert Appraisal Committee (SEAC) held on 29.08.2022 at 11:00 AM in the Conference Room of DPCC, at 5th Floor, ISBT Building, Kashmere Gate, Delhi 110006.

The 113th Meeting of State Level Expert Appraisal Committee (SEAC) was held on 29.08.2022 in the Conference Room of DPCC under the Chairmanship of Sh. Vijay Garg. The following Members of SEAC were present in the Meeting:

- | | | |
|------------------------------|---|------------------|
| 1. Sh. Vijay Garg | - | In Chair |
| 2. Sh. Surinder Kumar Juneja | - | Member |
| 3. Sh. Ankit Srivastava | - | Member |
| 4. Sh. Chetan Agarwal | - | Member |
| 5. Ms. Jyoti Mendiratta | - | Member |
| 6. Sh. Ashish Gupta | - | Member |
| 7. Ms. Paromita Roy | - | Member |
| 8. Sh. Gopal Mohan | - | Member |
| 9. Sh. Pankaj Kapil | - | Member Secretary |

Following SEAC Members could not attend the Meeting:

- | | | |
|-------------------------------|---|--------|
| 1. Dr. Sirajuddin Ahmed | - | Member |
| 2. Sh. Pranay Lal | - | Member |
| 3. Dr. Sumit Kumar Gautam | - | Member |
| 4. Dr. Kailash Chandra Tiwari | - | Member |

Following DPCC Officials assisted the Committee:

1. Sh. Amit Chaudhary (EE), DPCC
2. Sh. Rohit Kumar Meena, (JEE), DPCC

The Minutes of the 112th SEAC Meeting held on 26.08.2022 were confirmed by the Members.

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Agenda – 01

Case No C-410

Name of the Project	EC for Expansion of “Commercial Complex” at Netaji Subhash Place Metro Station opposite Wazirpur District Centre, Pitampura, New Delhi
Project Proponent	Mr. Harsh Vardhan Bansal, M/s Parsvnath Developers Ltd.
Consultant	M/s Perfact Enviro Solutions Pvt Ltd
EIA Coordinator present during Meeting	Ms. Rachna Bhargawa (CEO) Ms. Akta Chugh (EIA coordinator)
Representative of PP present during Meeting	Mr. Anil Sobti (GM Commercial) Mr. Rameek Juneja (Assistant Manager)
Proposal No.	SIA/DL/MIS/283551/2022
File No.	DPCC/SEIAA-IV/C-410/DL/2022

A. Details of the Proposed Project as per proposal uploaded are as under:

The Proposal is for grant of EC for Expansion of “Commercial Complex” at Netaji Subhash Place Metro Station opposite Wazirpur District Centre, Pitampura, New Delhi by M/s Parsvnath Developers Ltd.

The project Expansion of Commercial Complex with multiplex at Netaji Subhash Place Metro Station opposite Wazirpur District Centre, Pitampura, New Delhi by M/s Parsvnath Developers Ltd has already been granted Environmental Clearance (EC) by MoEF&CC, GoI EAC infra II vide letter no. 21-11/2019-IA-III dated 29.07.2019 with plot area of 28,400 sqm and built-up area of 49,953 sqm and presently, the complex is under construction.

The land belongs to the DMRC for development of Metro station and developing real estates or other commercial facilities in the metro stations. DMRC proposed to grant a concession agreement with developer to construct, develop, procure, finance, manage, maintain and licence the use of the built-up spaces and facilities in the specified area for specified purpose.

Now due to a change in planning, the expansion of a commercial complex with multiplexes is being proposed as the built up area will increase from 49,953 sqm to 64,596.824 sqm. The plot area of the project will remain the same as 28,400 sqm.

1. The Project is located at **Latitude:** 28°41'43.76"N **Longitude:** 77°9'9.81"E,
2. **Area Details:**

The Total Plot Area of the project after expansion will remain the same i.e. 28,400 sqm and the Total Built-up Area of the project will increase from 49,953 sqm (as per previous EC dated 29.07.2019) to 64,596.824 sqm. The FAR of the project will increase from

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20,370 sqm to 23,949.325 sqm and the Non-FAR area will increase from 6,769.35 sqm to 40,647.498 sqm. The area of Basements will increase from 22,813.65 sqm to 24,282.127 sqm. There will be 2 levels of the basement in the complex with a basement area of 24,282.127 sqm. The numbers of floors will change from 2B+G+3 to 2B+G+4. The Max. Height of the Building after expansion will increase from 24 m to 30 m.

3. **Water Details:**

During Construction Phase, : Total water requirement is 30 KLD out of which water required for construction activity is approx. 10 KLD which is being taken from treated water from Sector 25 Rohini STP. Pre-treatment will be provided to the STP treated water at the site. The sewage and waste water of 4 KLD generated during the construction phase will be discharged into the septic tank via soak pits. For Labours, Mobile toilets will be provided at the site.

During Operational Phase (after Expansion), Total Water requirement of the project will be 262 KLD which will be met by 88 KLD of Fresh water from Delhi Jal Board, 140 KLD of Treated water from in house STP and 34 KLD from outsourced STP. Out of 262 KLD Total Waste water generated will be 155 KLD which will be treated in house STP of 225 KLD capacity, treated waste water from STP will be 140 KLD which will be recycled and reused for Flushing (72 KLD), Gardening (10 KLD), DG Cooling/ HVAC (58 KLD) also outsourced treated water will be used in cooling tower i.e. 34 KLD.

Number of Rain Water Harvesting (RWH) Pits proposed are 09 nos. with a capacity of 425.25 cum.

4. **Solid Waste Details**

During Construction Phase (after expansion), during construction, a total of 22.5 kg/day of waste is generated from labourers. The Construction debris is being used in leveling & backfilling, roads etc. to the extent possible & rest is being sent to the C&D facility.

During the Operation Phase (after Expansion), total solid waste generation will be 779 kg/day. Biodegradable waste of 311 kg/day will be treated in organic waste converters. 234 kg/day of non-biodegradable waste & 234 kg/day of plastic waste will be given to approved recyclers.

5. **Power Details:**

During Construction Phase, Temporary power connection of 135 kVA will be supplied by TPDDL.

During Operation Phase (after Expansion), Total Power requirement after expansion will increase from 1900 kW to 2900 kW which will be supplied by TPDDL. For Power Back up, DG sets of Capacity 2x1400 kVA and 1x500 kVA will be installed.

2 % of the total power requirement i.e. 58kW shall be shared by solar energy. Number of solar panels provided will be 176 nos. of 330 Watt capacity each.

6. **Parking Facility Details:**

After Expansion, Total Proposed Parking will be 771 ECS out of which electrical vehicles provision will be 154 ECS i.e. 20 % of total parking provision.

7. **Eco-Sensitive Areas Details:**

Distance of Okhla Wildlife Sanctuary from project site is 19.57 Km ESZ and from Asola Wildlife Sanctuary is 23.50 Km ESZ.

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Total NoN FAR Area -B	m ²	6769.35	(+)9596.022	16365.372
Basement -I	m ²	11,406.827	(+) 1360.431	12767.258
Basement -2	m ²	11,406.827	(+) 108.042	11514.869
Total basement Area	m ²	22,813.654	(+) 1468.477	24282.127
Built-up Area (A + B)	m ²	49,953	(+)14643.824	64596.824
Total Green Area	m ²	5680.00	(+)140	5820.00
Total Open & Road Area including Surface parking area	m ²	-	-	8753.508
No of Floors	no	G+3	(+) 1	G+4
Level of basement	no	2	-	2
Maximum height of Building	m	24.00	(+) 6.00	30.00
Water requirement	KLD	256.4	5.6	262
Fresh water requirement	KLD	124.4	(-) 36.4	88
Treated water reuse	KLD	132	8	140
Waste water generation	KLD	139.2	15.8	155
STP Capacity	KLD	175	50	225
Parking required	ECS	609	74	683
Parking proposed	ECS	614	157	771
Total Solid waste	Kg/d ay	682	97	779
No. of RWH pits	Nos.	2	7	9
Total power load	kW	1900	1000	2900
DG sets	kVA	2 x 1010 & 1 x 500	2 x 1400 and	2 x 1400 1 x

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		(Working: 1x 1010, 1 x 500; Standby: 1 x 1010)	1 X 500 KVA (Standby- 1x 1400)	500 KVA (Standby- 1x 1400)
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The PP has submitted the certified compliance report of previous Environment Clearance from the Regional Office of MoEF&CC issued vide Letter dated 12.01.2022. As per the aforesaid Compliance Report following are the main points of Non-Compliance/ Partial Compliance:

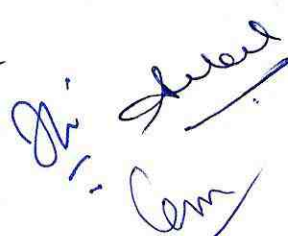
1. No information with reference to tie up with authorized C&D waste processing unit has been submitted by the unit. Although no construction demolition waste was observed unattended and a part of it is being re-utilized.
2. PP has not submitted the Ambient Air and Noise Level analysis reports from accredited laboratory.
3. Detailed report on Energy Conservation in accordance to Building Code was not available on site during the visit.
4. No details with respect to Emergency preparedness plan based on the Hazard identification and Risk assessment (HIRA) and disaster management plan condition has been submitted by the unit.
5. The Environment policy of the company was not available on site during the visit.
6. The status of compliance of the stipulated environment clearance conditions, including results of monitored data were not available on the website of the unit.

The earlier Proposal No. SIA/DL/MIS/275591/2022 was filed in the name of M/s Unity Parsvnaths LLP and was considered by SEAC in its 106th Meeting held on 18.06.2022 in which ADS was issued. In response to the ADS, Project proponent requested to withdrawal the proposal accordingly, the request for withdrawal proposal was approved by SEIAA in its 62nd Meeting dated 26.07.2022. Now, project proponent has reapplied for the same project in the name of M/s Parsvnath Developers Ltd.

During the presentation the project proponent informed that it has submitted the point wise reply to IRO, MoEF, Jaipur vide letter dated 28.05.2022. However, the committee was not satisfied with the response submitted to MoEF, GoI and asked the proponent to take appropriate action and submit revised response to the MoEF&CC, GoI. The compliance to this effect be reported in Six Monthly Compliance report.

B. After due deliberations, the SEAC in its 113th Meeting held on 29.08.2022 recommended as follows:

Based on the information furnished, documents shown & submitted, presentation made by the project proponent and recommended the case to SEIAA for grant of Environmental clearance imposing the following specific conditions:

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SPECIFIC CONDITIONS

1. Mass balance of STP schematic drawings and process calculations did not match as per prescribed norms of CPHEEO hence PP is directed to follow NGT Norms for discharge of treated water in lakes. Vetted process design of STP should be done from reputed academic institute preferably from IIT/ DTU/ NEERI.
2. Net increase in air pollution due to increase in traffic movement and project should be abated by Air Pollution treatment system. PP should ensure net increase in air pollution should be zero by adopting adequate measures.
3. PP should install treatment system to make STP treated water fit for construction purpose as per BIS Standards. Details of such treatment should be submitted at the time of CTE.
4. The project proponent should adhere to the revised cost of Environmental Management Plan i.e. capital cost of Rs. 42 Lacs & Recurring cost will be taken as minimum of 10% of Capital cost per annum i.e. 4.2 Lakhs/annum during construction phase and capital cost of Rs. 161 Lacs & Recurring cost of Rs. 16 Lacs/ annum during operation phase.
5. As committed by PP, Solar PVs of approx. 87kW i.e. 3% of total power load shall be installed and the possibility to achieve 5% shall be explored.
6. Indigenous trees shall be opted during tree plantation at project site.
7. The treated effluent from STP shall achieve BOD < 10 mg/litre, COD < 50 mg/l, TSS < 5 mg/l, Oil & Grease < 10 mg/l, Phosphorus < 1 mg/l and Ammonical Nitrogen < 5, Total Nitrogen < 10 mg/l, Fecal Coliform < 230. The project will follow principle of Zero Liquid Discharge. Preference should be given for supplying excess treated water in the nearby water bodies or parks. Excess treated water from the STP after all assigned uses should be upgraded to CPCB Class A water quality and be used for ground water recharge through recharge pits after appropriate treatment
8. PP shall provide electric charging points in parking areas for e-vehicles for at-least 20% of car parking.
9. No of rain water harvesting pits shall be 09 nos. and Rain water storage tank of 88 KL shall be provided. Boring for Rain Water Harvesting system should not be permitted/ done before completion of structure work. All recharge should be limited to shallow aquifer. Depth of boring should leave a buffer of atleast 10 m above ground water table.
10. Flow Meters/ Sensors should be installed to monitor consumption of fresh water as well as treated water and log book for these flow meters be maintained in a regular manner. Flow meters shall be installed at Inlet of STP, outlet of STP, inlet of flushing tanks, inlet of cooling water tanks and reuse line for horticulture purposes and at the final outfall/ sewer connection. Calibration for all the Flow meters shall be maintained on quarterly basis.
11. Minimum 1 tree for every 80 Sq. Mt of plot area (360 Nos.) should be planted within the project site.
12. Green building norms should be followed with a minimum 3 star GRIHA/IGBC/ASSOCHAM GEM rating and Gold rating should be followed up.

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13. Construction & Demolition waste should be disposed of at authorized C&D waste processing unit.
14. Wind- breaker of appropriate height i.e. $1/3^{\text{rd}}$ of the building height and maximum up to 10 metres shall be provided all around the project site before the start of construction.
15. The Project Proponent should take measures for control of Dust Pollution during construction phase in the Environmental Management Plan by taking measures as per MoEF&CC Notification No. GSR 94 (E) dated 25.01.2018/Hon'ble National Green Tribunal order in O.A. No.21 of 2014 and O.A. No. 95 of 2014 in the matter of Vardhaman Kaushik Vs. Union of India & others and Sanjay Kulshreshtha Vs Union of India & others, CAQM/CPCB/DPCC extant statutory orders/guidelines/directions issued time to time including registration/ self audit on Dust Pollution Control Self-Assessment Portal with provision of video fencing and low cost sensors for monitoring PM 2.5, PM 10.
16. Project proponent shall be responsible for establishment, operation and maintenance of all common facilities and also for compliance of EC conditions during operation stage.
17. The Cost of Environment Management Plan should be distinctly allocated in the budget of the project and details of the same along with time frame of the implementation should be reported in six monthly monitoring reports.
18. In view of MoEF&CC Office Memorandum No. 21-270/2008-IA.III dated 19.06.2013 read with MoEF&CC Office Memorandum No. 22-154/2015-IA.III dated 10.11.2015, this environmental clearance is granted focusing only on the environment concerns. The project will be regulated by the concerned local Civic Authorities under the provisions of the relevant provisions of the extant MPD-2021, Building Control Regulations and Safety Regulations.
19. The Environmental Clearance is subject to the condition that concerned local civic agencies will give the permission for use/ occupation of the building only after assured water supply of DJB/ NDMC/ other such local civic authority (as the case may be).
20. Grant of environmental clearance does not necessarily implies that water/ power supply shall be granted to the project and that their proposals for water/ power supply shall be considered by the respective authorities on their merits and decision taking.
21. The investment made in the project, if any, based on environmental clearance so granted, in anticipation of the clearance from water/ power supply angle shall be entirely at the cost and risk of the project proponent and SEAC/SEIAA, Delhi shall not be responsible in this regard in any manner.
22. The PP shall store all the construction material within the project site. Provision shall be made for providing facilities such as mobile toilets, safe drinking water, medical healthcare, crèche etc for the construction workers.
23. As proposed, fresh water requirement from DJB shall not exceed 88 KLD. Occupancy Certificate shall be issued only after getting necessary permission for required water supply from DJB/ concerned Authority.

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At *Compliment* *Ashish* *Dr. Shrivastava* *Dr. Cern* *SK* *Parvati*

24. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/ reused for flushing, AC makeup water and gardening.
25. The PP shall provide toxic gas (Combustible gas, Carbon dioxide and Hydrogen sulphide, Methane, VOCs, Ammonia) detectors in and around STP area.
26. The PP shall explore the installation of gas based generator sets as a first option, hybrid generator sets (with 70 % gas based fuel and 30 % diesel) as a second option. Alternatively the diesel generator sets shall be operated as per extant directions of CPCB guidelines regarding the equipping of Retro Fitted Emission Control Devices (RECD) and shall be operated with due compliances of directions issued under GRAP for Delhi & NCR.
27. Energy audit shall be carried out periodically to review energy conservation measures.
28. All sensor/meters based equipment should be calibrated on quarterly basis.
29. The green building audit shall be done on annual basis since inception of the project. Further, the audit report shall be included in six monthly compliance report.
30. Occupancy of the premises would be allowed only after getting Electric supply from concerned power supply agencies to restrict the use of generator sets.
31. Environment Cell comprising of 06 no. of personals will be engaged in implementation and monitoring of environmental parameters. Environment Cell consist of Environment Officer (1 no.), Maintenance Incharge (1 no.), STP Operators (1 no.), and technical staff (03 nos).

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Agenda No. 02

Case No. C-409

Name of the Project	EC for Construction of 3BHK, 2BHK and EWS houses at Pocket D-7 and D-8, Vasant Kunj, New Delhi by Delhi Development Authority.
Project Proponent	Mr. Sandeep Poonia, EE, M/s Delhi Development Authority, DDA office complex, Nelson Mandela Road, Vasant Kunj, New Delhi, South West, Delhi-110070
Consultant	M/s IND TECH HOUSE CONSULT
EIA Coordinator present during Meeting	Mr. Soumya Dwivedi (EIA Coordinator)
Representative of PP present during Meeting	Not present
Proposal No.	SIA/DL/MIS/284337/2022
File No.	DPCC/SEIAA-IV/C-409/DL/2022

A. Details of the Proposed Project are as under:

1. The Proposal is for grant of EC for Proposed Construction of 3BHK, 2BHK and EWS houses at Pocket D-7 and D-8, Vasant Kunj, New Delhi by Delhi Development Authority.
2. The Project is located at **Latitude:** 28°31'38.27"N; **Longitude:** 77° 8'44.51"E.
3. **Area Details:**

The net Plot Area of the project is 18663.33 sqm. The Proposed Total Built-up Area is 44097.18 sqm. The Proposed FAR Area is 20897.49 sqm. The Proposed Non FAR Area and Additional FAR Areas (Including basement & area of EWS) is 23199.69 sqm. The Proposed Ground Coverage is 6286.252 sqm. The total no. of Basements including floors will be 3B+G+3 storey. Total numbers of Building Blocks (Residential + Community facility) is 10 nos.. The total no of expected population is 1414 persons. The Max. Height of the building is 12.65 m.

4. Water Details:

During Construction Phase, Water required will be met from Authorized Tanker treated water supply from Delhi Jal Board (DJB) and sewage from the construction site will be disposed into nearby STP through tankers.

During construction total 120 Nos. labours will be engaged out of which 75 will be in temporary labour camp and 45 will be floating. On-site toilets and other sanitation facilities will be provided for construction workers. Waste water generated from the labour camp will be treated in mobile STP.

During Operational Phase, Total Water requirement of the project will be 145.30 KLD which will be met by 98.67 KLD of Fresh water from Delhi Jal Board and 46.63 KLD of Treated water from in house STP. No groundwater will be extracted. Total Waste water

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generated from the project will be 98.06 KLD which will be treated in house STP of 120 KLD capacity. Treated Water from STP will be 88.25 KLD out of which 46.63 KLD treated water will be reused for Flushing (27.13 KLD), Gardening (18.61 KLD) DG Cooling (0.90 KLD) and the rest amount of 41.37 KLD treated water will be used in road side green area and nearby DDA park or Surplus treated water to be discharged in Municipal Sewer with Prior permission.

Number of Rain Water Harvesting (RWH) Pit proposed is 6 nos.

5. Solid Waste Details

During Construction Phase, Total 29.25 kg/day of solid waste will be generated. MSW generated will be disposed at designated dumping site through authorized vendors. Municipal solid wastes from construction site will be disposed at designated dumping site through authorized vendors.

During the Operation Phase, Total solid waste generated from project will be 0.7 TPD (0.45 TPD (Waste vegetables and foods etc.) and 0.25 TPD (Papers, cartons, thermocol, plastics etc.)). Solid wastes generated will be segregated into biodegradable and non-biodegradable components and collected in separate bins. The biodegradable wastes will be composted in an onsite composting unit and the manure will be used for landscaping. The non-biodegradable/ recyclable wastes will be disposed at designated site through authorized vendors.

6. Power Details

During Operation Phase, Total Power requirement will be 3188 kVA and will be met from Grid supply of BSES Rajdhani Power Ltd. For Power Back up, DG sets of Capacity 180 KVA will be installed.

Solar photovoltaic power panels of desired capacity will be provided.

7. Parking Facility Details: Total Proposed Parking is 518 ECS (86 space parking and 432 basement).

8. Eco-Sensitive Areas Details: Distance of Okhla Wildlife Sanctuary from project site is 14.8 Km, NE and from Asola Wildlife Sanctuary is 4.9 km, SE.

9. Plantation Details: The proposed Green Area is 3721.084 sqm. (19.94 % of plot area). Total no. of trees proposed is 235 nos. There are 55 nos. of trees present at site and same will be retained within site. There will be no clearance of vegetation and tree cutting involved at site.

10. Cost Details: Total Cost of the project is Rs 108 Crores.

During presentation listed in 113th SEAC Meeting held on 29.08.2022, the EIA Coordinator of project proponent requested for deferment of the proposal as concerned responsible persons from project were not available.

After due deliberations, the SEAC in its 113th Meeting held on 29.08.2022 recommended as follows:

The proposal deferred for further consideration for the next meeting as requested by the accredited consultant of the project proponent.

Amal Kumar CA Ashish Ghosh Anurag Kumar Parashar

Agenda No 3

Case No C-396

Name of the Project	EC for Addition and alteration of Motel Building at Khasra no. 41/9 MIN, 41/10/2, 41/10/1/2, 41/12 MIN, 40 /6 /3 /1 at village Samalkha Rajokri Intersection NH-8 near Palam International Airport New Delhi
Project Proponent	Hemant Varshney, GM (Accounts), M/s Anant Raj Limited, H-65, Connaught Cir , Block H, Connaught Place, New Delhi, New Delhi, Delhi-110001
Consultant	M/s Perfact Enviro Solutions Pvt. Ltd
EIA Coordinator present during Meeting	Ms. Rachna Bhargawa (CEO) Ms. Akta Chugh (EIA Coordinator)
Representative of PP present during Meeting	Mr. Hemant Varshay (General Manager) Rishi Katoch (Architect)
Proposal No.	SIA/DL/MIS/270425/2022
File No.	DPCC/SEIAA-IV/C-396/DL/2022

A. Details of the Proposed Project are as under:

1. The Proposal is for grant of EC for Addition and alteration of Motel Building at Khasra no. 41/9 MIN, 41/10/2, 41/10/1/2, 41/12 MIN, 40 /6 /3 /1 at village Samalkha Rajokri Intersection NH-8 near Palam International Airport New Delhi by M/s Anant Raj Limited.
2. The Project is located at **Latitude:** 28°31'18.12"N; **Longitude:** 77° 5'58.45"E.
3. **Area Details:**
The Total Plot Area and Net Plot Area of the project after expansion will remain the same i.e. 11,674.79 sqm and 8,029.85 sqm respectively. The Total Built-up Area of the project will increase from 3466.05 sqm to 32,936.38 sqm. The Ground coverage achieved will be 3,182.09 sqm. The Total proposed FAR area is 13,996.78 sqm and Total Proposed Non FAR Area is 18939.6 sqm. There will be 2 levels of the basement with the area of 5908.06 sqm [Basement-1 area: 3709.08 sqm (out of which retained area- 1704.33 sqm & proposed area- 2004.75 sqm) and Basement-2 area: 2198.98 sqm]. The proposed no. of towers are 1 nos. The total no. of Floors will be 2B+G+19. The Total no of guest room will be 57. The total Population after expansion will be 2314 person. The Max. Height of the Building will be 33.9 m.
4. **Water Details:**
During Construction Phase, Total Water demand will be 10 KLD out of which 7.3 KLD water will be sourced through treated water from Kapashera STP for construction activities & flushing. For domestic use, 2.7 KLD water will be sourced through tankers.

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Total 4 KLD of waste water will be generated which will be disposed of through septic tanks via soak pits. For Labours, Mobile toilets will be provided at the site.

During Operational Phase (after Expansion), After using water conservation measures Total Water requirement of the project will be 207 KLD which will be met by 76 KLD of Fresh water from Delhi Jal Board and 80 KLD of Treated water from in house STP and 51 KLD outsourced treated water. Total Waste water generated will be 89 KLD which will be treated in house STP of 130 KLD capacity. Out of 89 KLD, The Waste water generated from Domestic and other purposes will be 82 KLD and waste water from Laundry will be 7 KLD. The Waste water from Laundry i.e. 8 KLD will be treated in house ETP of 10 KLD capacity and treated waste water from ETP i.e. 7 KLD will be send to in house STP for further treatment. Treated Water from STP will be 80 KLD which will be recycled and reused for Flushing (30 KLD), Gardening (11 KLD), Filter Backwash (19 KLD) and part of treated water required for HVAC cooling (20 KLD). The total treated water required for HVAC cooling will be 71 KLD which will be met from 20 KLD in house STP and 51 KLD of outsourced water.

Number of Rain Water Harvesting (RWH) Pits proposed are 2 nos. with total capacity of 159 cum.

5. **Solid Waste Details**

During Construction Phase, Total solid waste generation from labors will be 15 kg/day out of which 9 kg/day will be biodegradable which will be disposed off at solid waste disposal sites and 6 kg/day will be non-biodegradable waste and will be given to authorized recyclers. C & D waste generated at the site will be reused to the extant possible at the site and rest will be sent to C&D Facility.

During the Operation Phase (after Expansion), Total 357 kg/day of Solid Waste will be generated from the project. Out of which, Bio-Degradable Waste of 155 kg/day will be treated in House OWC of 120 kg/batch capacity and 232 kg/day of Non-Biodegradable Waste (116 kg/day Recyclable and 116 Plastic waste) will be disposed through approved Recyclers/ Vendors. 32 L/ month of used oil will be disposed through approved CPCB/ DPCC vendors.

6. **Power Details:**

During Construction Phase, DG set of capacity 1 x 125 KVA will be used for the construction works.

During Operation Phase (after Expansion), Total Power requirement will be 1575.32 kW and will be supplied by BSES Rajdhani. For Power Back up, DG sets of Capacity 4x750 kVA will be installed.

2 % of the total power requirement i.e 31.5 kW will be met through Solar Power.

7. **Parking Facility Details:**

After Expansion, Total Proposed Parking will be 420 ECS. Electrical vehicles provision of 84 ECS i.e. 20% of total parking provision will be provided.

8. **Eco-Sensitive Areas Details:**

Distance of Okhla Wildlife Sanctuary from project site is 19.49 Km NW and from Asola Wildlife Sanctuary is 10.05 Km SE.

9. **Plantation Details:**

The proposed Green Area is 2205.52 sqm. (27.47 % of net plot area). At present 35 trees exist at the project site which will be retained. Total no. of trees required as per norm are

100 nos. and Total no. of trees proposed are 112 nos (35 Existing + 77 Proposed).
[Calculation done on Net Plot Area]

10. Cost Details: Total Cost of the project will be Rs 82 Crores.

The existing operational motel has valid Consent to Operate issued by DPCC. It was clarified during presentation that the proposed building will have 2B + G + 09 instead of 2B + G +19 mentioned in form 1 due to typographical error.

After due deliberations, the SEAC in its 105th Meeting held on 03.06.2022, based on the information furnished, documents shown & submitted, presentation made by the project proponent recommended to seek the additional information which has been responded back by the project proponent on 23.08.2022 vide letter dated 22.08.2022 as follows:

S.No.	Information Sought by SEAC during SEAC Meeting dated 03.06.2022	Reply dated 22.08.2022 submitted on 23.08.2022
1.	Water requirement during construction phase is proposed to be met from the treated water of DJB STP. PP is required to clarify the arrangement for reusing the aforesaid treated water along with the mechanism proposed for making this water fit for use in construction.	PP has informed that during the construction phase, STP treated water from Kapashera will be used. Pre-Treatment will be provided at the site before using this water for construction activities to make this water fit for use.
2.	Assurance for supply of Treated Sewage during Construction Phase. PP is required to clarify the arrangement for reusing the aforesaid treated water along with the mechanism proposed for making this water fit for use in construction	Letter of DJB dated 31.05.2022 regarding rejection of Delhi Jal Board & Sewer NOC for the proposed project has been enclosed. Letter of DJB dated 26.05.2022 regarding assessment of water demand and calculation of Infrastructure Fund charges for the proposed project has been enclosed. Letter of DJB dated 26.05.2022 regarding calculation of sewage discharge and IFC for the proposed project has been enclosed.
3.	During construction phase, proposal for provision of mobile STP at site.	PP has informed that Mobile STP will be provided at the site.
4.	Water assurance from DJB including the following details: - Water assurance specifying the quantity of water to be supplied to the project. - Total water supply availability as per approved scheme of the command area in which the project is proposed to be developed. - The quantity of water already	Letter of DJB dated 31.05.2022 regarding rejection of Delhi Jal Board & Sewer NOC for the proposed project has been enclosed. Letter of DJB dated 26.05.2022 regarding assessment of water demand and calculation of Infrastructure Fund charges for the proposed project has been enclosed. Letter of DJB dated 26.05.2022 regarding calculation of sewage discharge and IFC for the proposed project has been enclosed.

Praveen Kumar Singh *A* *Ashish* *Suresh* *Shi* *Seel*
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	committed and after the quantity of water allotted to the project, the balance water available.	
5.	Rain water harvesting/ retention plan needs to be revised with RWH pits, taking into account the recent higher flash rain data along with actual percolation rate (duly substantiated by a test report) of the soil at site or min. 1 Recharge bore per 5000 sqm of Built up Area whichever is more along with the storage capacity of min. 1 day of total fresh water requirement along with layout and location plan.	PP has informed that volume of water available in retention time of 15 min ($m^3/15$ min) is 140 cum, 7 (2 dual bore & 3 single bore) number of pits will be provided having total volume of recharge 197.82 cum. Site Plan showing Rainwater harvesting details with location has been enclosed.
6.	The project proponent should explore the possibility of providing the gas based power backup.	PP has informed that they will provide Gas based Generator if the gas will be available and if the gas will not be available, DG sets will be installed with a Retro fitting facility.
7.	Proposal for a provision of toxic gas (Combustible gas, Carbon dioxide and Hydrogen sulphide, Methane, VOCs, Ammonia) detectors for STP area.	PP has informed that toxic gas (Combustible gas, Carbon dioxide and Hydrogen sulphide, Methane, VOCs, Ammonia) detectors will be provided for STP area
8.	Power supply assurance from BSES.	PP has informed that existing connection from BSES Rajdhani Power Limited is already available at the site. Copy of the same has been enclosed.
9.	Specify numbers of the post and manpower to be engaged by the proponent for implementation and monitoring of environmental parameters.	The Environment Management Cell along with name & no of post of the people engaged by the proponent for implementation and monitoring of environmental parameters has been enclosed.
10.	Revised Traffic management plan taking into consideration the latest traffic scenari along with a permission from NHAI for entry/ exit.	PP has informed that as per completion plan dated 25.03.2008 approved by Delhi Nagar Nigam gates opening NH8 as per original sanction plan has been maintained. Proposed plan was sanctioned when the proponent purchased the property. The copy of completion plan has been enclosed. PP has informed that Traffic will be managed as per norms.
11.	Net Plot area is required to be shown and area under road widening is required to be clearly marked on a layout.	Layout plan showing the net plot area and area under road widening has been enclosed.

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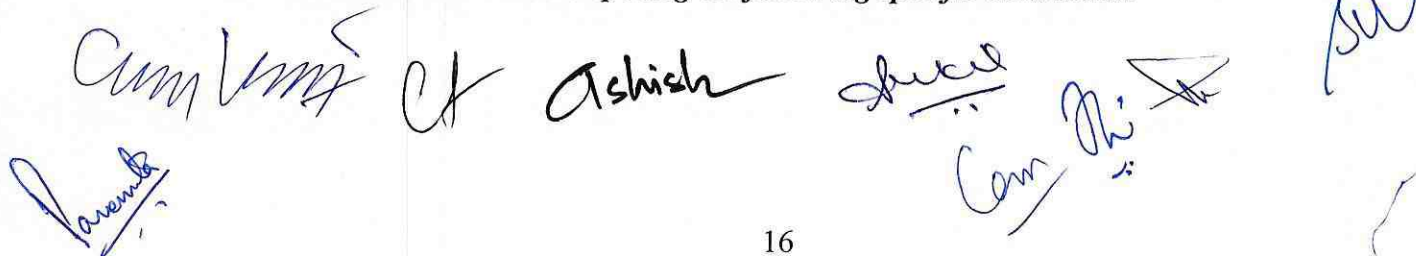
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12.	Structural stability certificate.	Structural stability certificate has been enclosed.
13.	Revised landscape plan showing actual existing features on ground.	Revised landscape plan showing actual existing features on ground has been enclosed.
14.	Proposal for the provision of Housing the construction labour at site along with the water requirement for the same.	PP has informed that Labour hutments will be provided at the site during the construction phase and water facilities will be provided to them. Revised water management for construction phase has been enclosed which is as follows Total water requirement: 23 KLD Potable water: 13.5 KLD from DJB tankers Non potable water: 9.5 KLD from DJB/through Tankers Total water requirement for Labours: 13.5 KLD Total water requirement for Construction Activity: 5.5 KLD Total water requirement for Anti-Smog Gun: 4 KLD
15.	Details of the Nos. of Solar PV proposed to be installed for energy conservation.	PP has informed that 2% (32KW) of total power load will be provided from solar. Details of the nos. of Solar PV proposed to be installed for energy conservation along with terrace plan has been enclosed.
16.	Revised cost of EMP for the capital as well as recurring cost.	During construction phase, cost of EMP is 34.5 Lakhs. During Operation phase, Capital cost will be 145 Lakhs/annum and Recurring cost will be 15.2 Lakhs/annum
17.	Revised dust management plan during construction as per extant guidelines/ orders along with quantification of the water required in operation of Anti Smog Guns.	Revised dust management plan during construction along with quantification of the water required in operation of Anti-Smog Guns has been enclosed.

B. After due deliberations, the SEAC in its 113th Meeting held on 29.08.2022 recommended as follows:

Based on the information furnished, documents shown & submitted, presentation made by the project proponent and recommended the case to SEIAA for grant of Environmental clearance imposing the following specific conditions:



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1. Mass balance of STP schematic drawings and process calculations did not match as per prescribed norms of CPHEEO hence PP is directed to follow NGT Norms for discharge of treated water in lakes. Vetted process design of STP should be done from reputed academic institute preferably from IIT/ DTU/ NEERI.
2. Net increase in air pollution due to increase in traffic movement and project should be abated by Air Pollution treatment system. PP should ensure net increase in air pollution should be zero by adopting adequate measures.
3. PP should install treatment system to make STP treated water fit for construction purpose as per BIS Standards. Details of such treatment should be submitted at the time of CTE.
4. The treated effluent from STP shall achieve BOD < 10 mg/litre, COD < 50 mg/l, TSS < 10 mg/l, Oil & Grease < 10 mg/l, Phosphorus < 1 mg/l and Ammonical Nitrogen < 5, Total Nitrogen < 10 mg/l, Fecal Coliform < 230. The project will follow principle of Zero Liquid Discharge. Preference should be given for supplying excess treated water, if any in the nearby water bodies or parks. Excess treated water from the STP after all assigned usages should be upgraded to CPCB Class A water quality and be used for ground water recharge through recharge pits after appropriate treatment.
5. PP shall provide necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical healthcare, crèche etc.
6. The PP shall not start construction without permission of ground water extraction/ DJB permission for water supply to the project proposed.
7. Solar water heating shall be provided to meet 20% of the hot water demand of the project.
8. Solar PV panels shall be provided for about 32 KW of power load with total 63 number of solar panels of 520 watt each. PP shall ensure that at least 2 % of the total energy demand to be sourced from renewable energy.
9. The project proponent should adhere to the revised cost of Environmental Management Plan i.e. capital cost of Rs. 49.5 Lacs & Recurring cost will be taken as minimum of 10% of Capital cost per annum i.e. 4.95 Lakhs/annum during construction phase and capital cost of Rs. 145 Lacs & Recurring cost of Rs. 15.2 Lacs/ annum during operation phase..
10. The PP shall explore the installation of gas based generator sets as a first option, hybrid generator sets (with 70 % gas based fuel and 30 % diesel) as a second option. Alternatively the diesel generator sets shall be operated as per extant directions of CPCB guidelines regarding the equipping of Retro Fitted Emission Control Devices (RECD) and shall be operated with due compliances of directions issued under GRAP for Delhi & NCR.
11. The PP shall provide toxic gas (Combustible gas, Carbon dioxide and Hydrogen sulphide, Methane, VOCs, Ammonia) detectors in and around STP area.
12. No of rain water harvesting pits shall be 02 nos. and Rain water storage tank of atleast one day of fresh water requirement shall be provided. Boring for Rain Water Harvesting system should not be permitted/ done before completion of structure work.

Amal Singh *CA* *Ashish* *Shi* *Shukla* *Cam* *SW*
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All recharge should be limited to shallow aquifer. Depth of boring should leave a buffer of atleast 10 m above ground water table.

13. Flow Meters/ Sensors should be installed to monitor consumption of fresh water as well as treated water and log book for these flow meters be maintained in a regular manner. Flow meters shall be installed at Inlet of STP, outlet of STP, inlet of flushing tanks, inlet of cooling water tanks and reuse line for horticulture purposes and at the final outfall/ sewer connection. Calibration for all the Flow meters shall be maintained on quarterly basis.
14. Green building norms should be followed with a minimum 3 star GRIHA/IGBC/ASSOCHAM GEM rating and Gold rating should be followed up.
15. Construction & Demolition waste should be disposed of at authorized C&D waste processing unit.
16. Wind- breaker of appropriate height i.e. 1/3rd of the building height and maximum up to 10 metres shall be provided all around the project site before the start of construction.
17. The Project Proponent should take measures for control of Dust Pollution during construction phase in the Environmental Management Plan by taking measures as per MoEF&CC Notification No. GSR 94 (E) dated 25.01.2018/Hon'ble National Green Tribunal order in O.A. No.21 of 2014 and O.A. No. 95 of 2014 in the matter of Vardhaman Kaushik Vs. Union of India & others and Sanjay Kulshreshtha Vs Union of India & others, CAQM/CPCB/DPCC extant statutory orders/guidelines/directions issued time to time including registration/ self-audit on Dust Pollution Control Self-Assessment Portal with provision of video fencing and low cost sensors for monitoring PM 2.5, PM 10.
18. Project proponent shall be responsible for establishment, operation and maintenance of all common facilities and also for compliance of EC conditions during operation stage.
19. The Cost of Environment Management Plan should be distinctly allocated in the budget of the project and details of the same along with time frame of the implementation should be reported in six monthly monitoring reports.
20. In view of MoEF&CC Office Memorandum No. 21-270/2008-IA.III dated 19.06.2013 read with MoEF&CC Office Memorandum No. 22-154/2015-IA.III dated 10.11.2015, this environmental clearance is granted focusing only on the environment concerns. The project will be regulated by the concerned local Civic Authorities under the provisions of the relevant provisions of the extant MPD-2021, Building Control Regulations and Safety Regulations.
21. The Environmental Clearance is subject to the condition that concerned local civic agencies will give the permission for use/ occupation of the building only after assured water supply of DJB/ NDMC/ other such local civic authority (as the case may be).
22. Grant of environmental clearance does not necessarily implies that water/ power supply shall be granted to the project and that their proposals for water/ power supply shall be considered by the respective authorities on their merits and decision taking.
23. The investment made in the project, if any, based on environmental clearance so granted, in anticipation of the clearance from water/ power supply angle shall be entirely at the cost and risk of the project proponent and SEAC/SEIAA, Delhi shall not be responsible in this regard in any manner.

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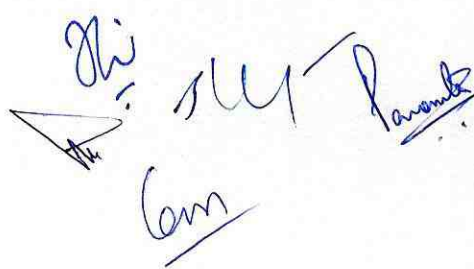
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24. As proposed, fresh water requirement from DJB shall not exceed 76 KLD. Occupancy Certificate shall be issued only after getting necessary permission for required water supply from DJB/ concerned Authority.
25. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/ reused for flushing, AC makeup water and gardening.
26. Energy audit shall be carried out periodically to review energy conservation measures.
27. All sensor/meters based equipment should be calibrated on quarterly basis.
28. The green building audit shall be done on annual basis since inception of the project. Further, the audit report shall be included in six monthly compliance report.
29. Occupancy of the premises would be allowed only after getting Electric supply from concerned power supply agencies to restrict the use of generator sets.
30. Environment Cell comprising of 07 no. of personnel will be engaged in implementation and monitoring of environmental parameters. Environment Cell consist of Environment Officer (1 no.), Maintenance Incharge (1 no.), Air Management incharge (1 no.), Waste water Management incharge (1 nos.), Waste Management incharge (1 nos.), EHS Engineer (1 no.), Maintenance persons (1 no.).

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Agenda 4**Case No. C-397**

Name of the Project	Redevelopment of All India Institute of Medical Sciences Project (AIIMS), New Delhi
Project Proponent	All India Institute of Medical Sciences (AIIMS), New Delhi
Consultant	AECOM India Pvt Ltd
Project EIA coordinator present during the meeting	Ms. Shubhangi Jadhav Mr. Abhishek Malhotra
Rep. of the PP present during the meeting	Mr. Deepak Bhutale. Dr. Angel Rajan Singh
Proposal No.	SIA/DL/MIS/71147/2022
File No.	DPCC/SEIAA-IV/C-397/DL/2022

A. Details of the proposed project are as under:

1. The Proposal is for grant of EC for Redevelopment of All India Institute of Medical Sciences (AIIMS), New Delhi by M/s All India Institute of Medical Sciences (AIIMS), New Delhi.

The project comprises of redevelopment of the existing East Ansari Nagar Campus (107.6 acres), Masjid Moth Campus (30 acres) and development of the Trauma Center extension campus (14.95 acres).

2. The Project is located at

East Ansari Nagar

Latitude: 28°33'38.446" N to 28° 33' 41.413"N;

Longitude: 77° 12' 27.427" E to 77° 12' 30.747" E

Trauma Centre Extension:

Latitude: 28° 33' 52.822" N to 28° 33'57.459"N;

Longitude: 77° 12' 3.013" E to 77° 12' 10.263" E

Masjid Moth:

Latitude: 28° 33' 45.333" N to 28° 33' 58.138"N;

Longitude: 77° 12' 53.344" E to 77° 12' 59.140" E

3. **Area Details:**

The Total Plot Area of the project is 152.55 Acres i.e. 6,17,347.078sqm (East Ansari Nagar (107.6 Acres), Trauma Centre Campus Extension (14.95 Acre) and Masjid

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Moth Campus (30 Acres)). The Total Built-Up Area for the proposed Redevelopment project would be 14,65,695sqm (East Ansari Nagar: 1163497.69 sqm, Masjid Moth: 71638 sqm and Trauma Centre Extension: 230558 sqm). Total Existing Built up Area of the project is 548515 sqm and area to be demolished will be 138727.82sqm. After expansion the total BUA will be 18,75,481.69sqm). Level of Basement is upto three. Maximum Height of Building is 45 m. The Total nos. of Beds will be 5412 Beds (3000 new and 2412 existing).

Redevelopment of East Ansari Nagar Campus

The Total Plot Area for this project is 107.6 Acres. The Total Built-Up Area for the proposed Redevelopment project would be 1,163,497.69sqm. Total Existing Built up Area of the project is 335,289sqm and area to be demolished will be 133,894sqm. After expansion the total BUA for this part of the project will be 13,64,893sqm.

Redevelopment of Masjid Moth Campus

The Total Plot Area for this project is 30 Acres. The Total Built-Up Area for the proposed Redevelopment project would be 71,638 sqm. Total Existing Built up Area of the project is 213,226 sqm and area to be demolished will be 4,833 sqm. After expansion the total BUA for this part of the project will be 280,031 sqm.

Redevelopment of Trauma Centre Extension Campus

The Total Plot Area for this project is 14.95 Acres. The Total Built-Up Area for the proposed Redevelopment project would be 230,558 sqm.

4. Water Details :

Redevelopment of East Ansari Nagar Campus

During Construction Phase, About 2300 KLD of water will be required for construction purposes which will be met by the treated water from the existing STP of AIIMS. In case the treated water generated from existing STP is not sufficient additional construction water will be sourced from nearest CSTP. Approx. 27 KLD of fresh water will be required for drinking and domestic purpose which will be supplied through bottled cans from the local freshwater supplier during the days of construction and the balance water will be sourced in tankers from DJB. Domestic sewage generated by construction labourers will be 22 KLD and will be treated in skid mounted Modular STP provided at the construction site. For Labourers, Mobile toilets/bio-toilets will be provided at site.

During Operational Phase after Redevelopment, Total water requirement of the project is expected to be 14080 KLD and the same will be met by 6700 KLD of Fresh water from Delhi Jal Board and 7380 KLD of Treated wastewater. Total Wastewater generated will be 7,813 KLD which will be treated in proposed STP of 9000 KLD capacity and proposed ETP of 200 KLD capacity. The 7380 KLD treated wastewater will be recycled and re-used for Flushing (3350 KLD), for Landscaping (788 KLD), 3242 KLD for AC Cooling Tower make up. The total water required for AC Cooling Tower will be 4252 KLD which will be met from 3242 KLD Treated wastewater and 1010 KLD Fresh water.

Amir Singh *Ashish* *Shiv* *Shi* *Shi* *Shi* *Shi* *Shi* *Shi* *Shi*

No. of Rainwater Harvesting Pits proposed is 105 nos. Apart from rainwater harvesting pits, 3 Nos. of rain-water tanks have been proposed in different locations to collect the roof rainwater. The total volume of tank will be approx. 10005 KL.

Redevelopment of Masjid Moth Campus

During Construction Phase, About 150 KLD of water will be required for construction purposes which will be met by the treated water from the existing STP of AIIMS. In case the treated water generated from existing STP is not sufficient additional construction water will be sourced from nearest CSTP. Approx. 4.5 KLD of fresh water will be required for drinking and domestic purpose which will be supplied through bottled cans from the local freshwater supplier during the days of construction and the balance water will be sourced in tankers from DJB. Domestic sewage generated by construction labourers will be 3.6 KLD and will be treated in skid mounted Modular STP provided at the construction site. For Labourers, Mobile toilets/bio-toilets will be provided at site.

During Operational Phase after Redevelopment, Total water requirement of the project is expected to be 570 KLD which will be met by 193 KLD of Fresh water from Delhi Jal Board and 376.5 KLD of Treated wastewater. Total Wastewater generated will be 300 KLD which will be treated in existing STP of 2000 KLD capacity. The 376.5 KLD treated wastewater will be recycled and re-used for Flushing (124.5 KLD), for Landscaping (12 KLD), for AC Cooling Tower make up (240 KLD).

No. of Rainwater Harvesting Pits proposed is 3 nos.

Redevelopment of Trauma Centre Extension Campus

During Construction Phase, About 450 KLD of water will be required for construction purposes which will be met by the treated water from the existing STP of AIIMS. In case the treated water generated from existing STP is not sufficient additional construction water will be sourced from nearest CSTP. Approx. 14 KLD of fresh water will be required for drinking and domestic purpose which will be supplied through bottled cans from the local freshwater supplier during the days of construction and the balance water will be sourced in tankers from DJB. Domestic sewage generated by construction labourers will be 11 KLD and will be treated in skid mounted Modular STP provided at the construction site. For Labourers, Mobile toilets/bio-toilets will be provided at site.

During Operational Phase after Redevelopment, Total water requirement of the project is expected to be about 1150 KLD which will be met by 610 KLD of Fresh water from Delhi Jal Board and 536 KLD of Treated wastewater. Total Wastewater generated will be 793 KLD which will be treated in proposed STP of 850 KLD capacity. Total treated waste water from proposed STP will be 753 KLD of which 536 KLD treated wastewater will be recycled and re-used for Flushing (306 KLD), for Landscaping (230 KLD) and excess 217 KLD treated waste water will be discharged to Municipal Sewer System.

No. of Rainwater Harvesting Pits proposed is 12 nos.

Amal *A Ashish* *Shi* *Shi* *Shi* *Shi* *Shi* *Shi* *Shi* *Shi*

5. Solid Waste Details :

Redevelopment of East Ansari Nagar Campus

During Construction phase, 60 kg/day of Municipal Solid Waste will be generated from the site. The Construction waste from demolition will be around 80,000 tons and from new construction will be 58180 Tons. C& D waste will be used for backfilling as much as possible while excess C&D waste will be disposed to C&D processing facility.

During the Operation phase, the total MSW generated will be in the tune of 20,000 kg/day which will comprise of approx. 12000 kg/day of biodegradable waste and approx. 8000 kg/day of non-biodegradable waste. The Bio-medical waste from the proposed re-development with approx. 3100 beds will generate approx. 4000 kg/day. The cumulative biomedical waste generation from the existing beds and the new beds (5512 beds) will be in the tune of 8000 kg/day which will disposed through authorized CPCB vendors.

Redevelopment of Masjid Moth Campus

During Construction phase, 10 kg/day of Municipal Solid Waste will be generated from the site. The Construction waste from new construction will be 4000 Tons. C& D waste will be used for backfilling as much as possible while excess C&D waste will be disposed to C&D processing facility.

During the Operation phase, Total MSW generated will be in the tune of 9,000 kg/day which will comprise of approx. 5500 kg/day of biodegradable waste and 3500 kg/day of non-biodegradable waste. The cumulative biomedical waste generation after redevelopment will be in the tune of 600 kg/day which will dispose through authorized CPCB vendors.

Redevelopment of Trauma Centre Extension Campus

During Construction phase, 30 kg/day of Municipal Solid Waste will be generated from the site. The Construction waste from new construction will be 11500 Tons. C& D waste will be used for backfilling as much as possible while excess C&D waste will be disposed to C&D processing facility.

During the Operation phase, Total MSW generated will be in the tune of 4200 kg/day which will comprise of approx. 2500 kg/day of biodegradable waste and 1700 kg/day of non-biodegradable waste.

6. Power Details :

Redevelopment of East Ansari Nagar Campus

During Construction phase, Total power requirement will be 1500 KW which will be met by power connection from authorized agency. For Power Back up, DG sets of Capacity 2×500 kVA and 1×250 kVA will be installed.

During Operation Phase, The total power requirement will be 48,998 KVA and the same will be met from NDMC. For Power Back up, DG sets of capacity 20×2000 kVA will be installed.

Redevelopment of Masjid Moth Campus

Amal Singh *A Ashish* *Shi* *Com* *SM* *Paramita*

During Construction phase, Total power requirement will be 500 KW which will be met by power connection from authorized agency. For Power Back up, DG sets of Capacity 2 x 250 KVA will be installed.

During Operation Phase, The total power requirement will be 5,217 KVA and the same will be met from NDMC. For Power Back up, DG sets of capacity 4 x 1500 kVA will be installed.

Redevelopment of Trauma Centre Extension Campus

During Construction phase, Total power requirement will be 200 KW which will be met by power connection from authorized agency. For Power Back up, DG sets of Capacity 1 x 250 KVA will be installed.

During Operation Phase, The total power requirement will be 4983 KVA and the same will be met from NDMC. For Power Back up, DG sets of capacity 4 x 750 kVA will be installed.

7. Parking facility:

Redevelopment of East Ansari Nagar Campus

The Proposed Total Parking is 11,607 ECS (10,717 ECS in basement, stilts and MLCP and 890 ECS in Surface parking). There will be a provision of charging points for 2,321 EVs (i.e., 20% of 11607).

Redevelopment of Masjid Moth Campus

The Proposed Total Parking is 694ECS (343 ECS in basement, stilts and MLCP and 351 ECS in Surface parking). There will be a provision of charging points for 139 EVs (i.e., 20% of 694).

Redevelopment of Trauma Centre Extension Campus

The Proposed Total Parking is 2131ECS (2027 ECS in basement, stilts and MLCP and 104 ECS in Surface parking). There will be a provision of charging points for 426 EVs (i.e., 20% of 2131).

8. **Eco-Sensitive Areas:** Distance from Asola Bird Sanctuary is 7.1 km South (ESZ of Asola Bhatti WLS is 6 Km South), and Okhla Bird Sanctuary is 7.6 km East from the project site.

9. Plantation:

Total no trees present at the site is 5575 of which 2934 will be retained and 1910 will be transplanted and 731 will be cut. Total no. of trees proposed is 10000 nos.

Redevelopment of East Ansari Nagar Campus

Total Green Area proposed is 1,86,278 sqm (42.77% of total plot area i.e 107.6 acres).

Redevelopment of Masjid Moth Campus

Total Green Area proposed is 35,152 sqm (28.95 % of total plot area i.e 30 acres).

Redevelopment of Trauma Centre Extension Campus

Total Green Area proposed is 34,477 sqm (57 % of total plot area i.e 14.95 acres).

10. **Cost of the project:** Total cost of the project is Rs. 15,500Crores.

Compliment of Ashish *Shree Thi* *Com* *Shu* *Paramb*

The ToR for the Redevelopment of All India Institute of Medical Sciences Project (AIIMS), New Delhi was issued to the Project Proponent by SEIAA, Delhi vide letter no. DPCC/SEIAA-IV/C-375 (ToR)/DL/2022/258-261 dated 04.03.2022.

After due deliberations, the SEAC in its 105th Meeting held on 03.06.2022, based on the information furnished, documents shown & submitted, presentation made by the project proponent recommended to seek the additional information. In addition to this, SEAC also decided that a site visit may be undertaken by a sub-committee comprising of the SEAC Members. Accordingly, a site visit was conducted by the sub-committee on 15.06.2022. Site visit observations were placed before the committee in SEAC meeting dated 18.06.2022. It was decided to share the copy of the observation to the project proponent for their appropriate response. Accordingly the site visit report was shared on 21.06.2022 to upload response on Parivesh Portal.

Additional information sought by SEAC in its 105th Meeting held on 03.06.2022 and response of findings of site visit in pursuance of recommendation of SEAC in 106th meeting dated 18.06.2022 has been responded back by the project proponent on 01.08.2022 vide letter dated 28.07.2022 which is as follows:

S.No.	Information Sought by SEAC during SEAC Meeting dated 03.06.2022	Reply dated 28.07.2022 submitted on 01.08.2022
1.	The project proponent is required to submit a certified compliance of the conditions of previous Environmental Clearance issued to Masjid Moth which is the building under expansion.	The PP informed that the existing Masjid Moth area (excluding proposed OPD block) for which environmental clearance was issued earlier has been developed by HSCC (I) Ltd. (a govt. of India undertaking under NBCC) and all related approvals/ compliances are being undertaken by HSCC. PP has attached an undertaking in this regard from HSCC.
2.	Statutory clearances issued to existing operational campus of AIIMS including CTO/Authorization.	PP has informed that an Existing operational campus of AIIMS had obtained Consent to Operate from DPCC under consent order no. DPCC/WMC/2017/40842 and Authorization under Bio Medical Waste Management rules 2016 under BMW Authorization no. DPCC/BMW/AUTH/NEW/2017/03334. PP has informed that an application for the renewal has also been submitted to the DPCC well before the expiry of the certificates issued under Consent order and BMW authorization.

Comdant Ashish

Comdant

Parivesh

		PP has attached a receipt from the concerned department. PP has also attached an acknowledgment receipt from DPCC for application submitted under CTO and BMW Authorization.																				
3.	Compliance of proposal for compliance of Delhi Tree Transplantation Policy, 2020.	PP has informed that they will comply the Delhi Tree Transplantation Policy, 2020																				
4.	Detailing clarity of the area of Masjid Moth involved in the proposed redevelopment	Area Considered for Masjid Moth area: FAR Area = 2,13,688.96 Sqm. Non-FAR Area = 78,846.90 Sqm. (Under Common Basement)																				
5.	Committee observed that the site has around 5995 Trees of which 68.8 % trees (4125 Trees) are being removed (by cutting or transplantation). This is a very high percentage. The project master plan needs to be reviewed so that at least 50% of the trees are retained on site.	PP has informed that there are about 420 nos. shrubs which have erroneously been considered as trees in the previous survey. PP has attached Revised Tree Enumeration at Site. <table><tr><th>S. No.</th><th>Particulars</th><th>Nos.</th><th>(%)</th></tr><tr><td>1.</td><td>Total Trees present at Site</td><td>5575</td><td>100 %</td></tr><tr><td>2.</td><td>Trees to be retained at site</td><td>2934</td><td>52.63%</td></tr><tr><td>3.</td><td>Trees to be transplanted</td><td>1910</td><td>34.26%</td></tr><tr><td>4.</td><td>Trees to be cut</td><td>731</td><td>13.11 %</td></tr></table>	S. No.	Particulars	Nos.	(%)	1.	Total Trees present at Site	5575	100 %	2.	Trees to be retained at site	2934	52.63%	3.	Trees to be transplanted	1910	34.26%	4.	Trees to be cut	731	13.11 %
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Along with the above reply of ADS the PP has also uploaded the response for the findings of site visit dated 15.06.2022 by SEAC's Sub-Committee related to measures for preservation of natural ecology and existing full grown wide girth trees, storm water management and rainwater retention systems, Traffic and Transportation, Energy and Sustainable Building Design and Building design strategies to preserve more trees.

Regarding the certified compliance of previous Environmental Clearance issued to Masjid Moth the PP clarified during meeting that existing Masjid Moth Complex is distinct from the development of 71638 sqm Builtup Area in the plot of Masjid Moth complex and the new building developed under the Redevelopment Scheme will be having separate deliverable

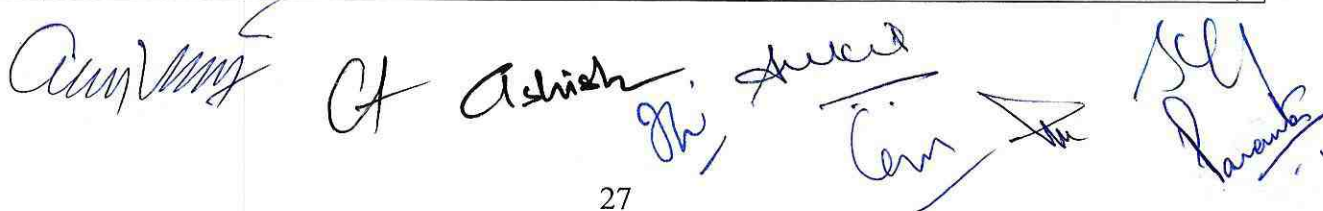
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environmental safeguards and proposal under consideration is not including expansion of the earlier project for which EC was obtained. The redevelopment project includes demolition of old buildings and construction of new buildings at East Ansari Nagar site and construction of new buildings on greenfield site of Trauma Centre and Masjid Moth. The project is not an expansion project of any existing building but is a complete redevelopment project and construction of new independent buildings on the site. No existing building will be expanded under proposed redevelopment project. The new OPD building proposed at Masjid Moth campus is proposed as green field land parcel and does not involve any expansion of existing buildings at Masjid Moth. The PP further confirmed during meeting that in order to ensure the compliance of EIA Notification, 2006 they are in process of obtaining/ ensuring related approvals/ compliances for existing Masjid Moth Complex developed by HSCC (India) Limited separately.

Regarding the existing AIIMS Complex at East Ansari Nagar there is a major demolition of existing campus to the tune of 1,33,894 sqm Builtup Area is involved and the existing operational campus of AIIMS has obtained Consent to Operate from DPCC under consent order no. DPCC/WMC/2017/40842 and authorization under Bio Medical Waste Management rules 2016 under BMW authorization no. DPCC/BMW/AUTH/NEW/2017/03334. PP has informed that an application for the renewal has also been submitted to the DPCC well before the expiry of the certificates issued and a letter dated 02.03.2022 has been submitted as a proof of submission.

After due deliberations, the SEAC in its 111th Meeting held on 06.08.2022, based on the information furnished, documents shown & submitted, presentation made by the project proponent recommended to seek the additional information which has been responded back by the project proponent on 13.08.2022 vide letter dated 12.08.2022 as follows:

S.No.	Information Sought by SEAC during SEAC Meeting dated 06.08.2022	Reply dated 12.08.2022 submitted on 13.08.2022
1.	Location of rainwater harvesting pits and rainwater storage be revisited with a view to relocate them in accordance with the natural gradient and slope of the ground.	PP has informed that the natural slope of the site is from West to East direction i.e., from Aurobindo Marg towards Masjid Moth Nalah. The slope of surface storm water network and intermittent rainwater harvesting pits are planned in-line with natural gradient to discharge its overflow towards Masjid Moth Nalah. Rainwater harvesting plan showing slope towards nallah has been enclosed.
2.	Show the additional trees that have been saved by reviewing the location of utilities etc on the map in a different colour, and as an extra column on the base tree list	PP has informed that after reviewing the locations of the utility areas/lines and realignment of roadways it has been observed that 1064 Nos. of trees will be preserved. Site plan showing the additionally



		preserved trees marked in different colors and columns along with the extra column on the base tree list has been enclosed.
3.	Show the 420 (5995-5575) odd trees that have become shrubs and excluded from the tree list on the map in a different colour and in an extra column on the base tree list	Updated tree survey plan on which 420 shrubs are distinctly marked along with a column of base tree list has been enclosed.
4.	Some trees falling within the proposed footprint of the Arc building are showed as retained trees in green colour in the map. This needs to be rechecked.	PP has informed that the trees within the footprints of the ARC building were inadvertently shown in earlier submission. These trees have been updated in the plan. Updated plan with impacted trees has been enclosed.
5.	Please show the tree serial number for each tree on the tree layout maps	PP has informed that all the trees present at the site are already marked with serial numbers on the tree layout plan. Tree layout plan has been enclosed for reference.
6.	The 3 rain water harvesting sites are to be located in the open green areas which also have retained trees. The size (L x W x H) of the rainwater harvesting structures - and their location vis-a vis the retained trees may be shown on a high resolution map showing adequate distance from the trees.	PP has informed that the three (3) Nos. rainwater harvesting structures proposed at the site are underground modular storage tanks. These tanks are proposed for roof top rainwater storage only and water from these tanks will be reuse in landscaping and other non-potable uses. The proposed capacity of rainwater storage tank is approx. 10,000 KL. The dimension and location of each modular rainwater harvesting structure and their distances from the retained trees are shown in plan which has been enclosed.
7.	The open green areas may we sloped inwards with a depth of about 30 cm, so that additional flash rain retention capacity will be created.	PP has informed that at the site, some of the locations in open green area is sloped inwards by reducing its level to a depth of 30 cm to create retention ponds. These retention ponds are large and small green spaces that are intended to function as direct percolation areas for the rainwater into the natural ground for water retention without any hindrances. PP has enclosed following: 1. Schematic section through retention pond by reducing the level of landscape 2. Plan showing the location of retention pond in Academic Quad and Director's Lawn

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			3. Plan showing the location of retention pond in clinical area between Clinical Tower 2 & Clinical Tower 4 4. Plan showing location of retention pond in student accommodation green
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The committee deliberated on the information/reply provided by the project proponent and presentation regarding traffic plan made during meeting dated 29.08.2022.

B. After due deliberations, the SEAC in its 113th Meeting held on 29.08.2022 recommended as follows:

Based on the information furnished, documents shown & submitted, presentation made by the project proponent and recommended the case to SEIAA for grant of Environmental clearance imposing the following specific conditions:

Specific Conditions:

1. Total no trees present at the site is 5575 of which 2934 will be retained and 1910 will be transplanted and 731 will be cut. Compensatory plantation would be done in the ratio of 1:10 as per the norms. Approx. 26410 trees would be planted under compensatory plantation (considering 331 trees are invasive exotic tree species) at land for compensatory afforestation to be identified by Delhi Forest Department.
2. The project proponent shall ensure implementation of Tree Plantation Policy 2020 notified by Govt. Of NCT of Delhi so that all the points of the aforesaid policy are complied in the project under consideration.
3. The PP shall explore the installation of gas based generator sets as a first option, hybrid generator sets (with 70 % gas based fuel and 30 % diesel) as a second option. Alternatively the diesel generator sets shall be operated as per extant directions of CPCB guidelines regarding the equipping of Retro Fitted Emission Control Devices (RECD) and shall be operated with due compliances of directions issued under GRAP for Delhi & NCR.
4. PP shall install STP of 9000 KLD capacity and 200 KLD capacity of ETP at East Ansari Nagar, STP of 850 KLD capacity at Trauma Centre and Waste water generated from Masjid Moth shall be treated in 300 KLD STP proposed to be installed in addition to existing STP of 2000 KLD of Masjid Moth.
5. The project proponent should explore utilization of excess treated (217 KLD) water from Trauma Centre Extension instead of discharging into municipal sewer. The project will follow principle of Zero Liquid Discharge. Preference should be given for supplying excess treated water in the nearby water bodies or parks. Excess treated water from the STP after all assigned uses should be upgraded to CPCB Class A water quality and be used for ground water recharge through recharge pits after appropriate treatment. It should be confirmed in first six monthly monitoring report of EC compliance.

Compliment of Ashish

ing report of EC compliance.

6. Solar PV of total 4370 kW shall be provided i.e. 2306 kW for East Ansari Nagar, 466 kW for Masjid Moth and 1598 kW at Trauma Centre.
7. For utilizing excess water during flash rain, 4 sponge areas earmarked at the site measuring 7700 sqm (approx.) with the depth of 30 cm on site with the total water retention capacity of 2300 KL shall be implemented as committed.
8. Treated water of STP should be used for construction purposes with tertiary treatment to ensure it is fit for construction use.
9. Boring for Rain Water Harvesting system should not be permitted/ done before completion of structure work. All recharge should be limited to shallow aquifer.
10. IoT based Flow Meters/ Sensors should be installed to monitor consumption of fresh water as well as treated water and log book for these flow meters be maintained in a regular manner. Flow meters shall be installed at Inlet of STP, outlet of STP, inlet of flushing tanks, inlet of cooling water tanks and reuse line for horticulture purposes and at the final outfall/ sewer connection. Calibration for all the Flow meters shall be maintained on quarterly basis.
11. Only LED lighting fixtures should be used.
12. Green building norms should be followed with a minimum 3 star GRIHA/IGBC and Gold rating should be followed up.
13. Construction & Demolition waste should be disposed of at authorized C&D waste processing unit.
14. Wind- breaker of appropriate height i.e. $1/3^{\text{rd}}$ of the building height and maximum up to 10 metres shall be provided all around the project site before the start of construction.
15. The Project Proponent should take measures for control of Dust Pollution during construction phase in the Environmental Management Plan by taking measures as per MoEF&CC Notification No. GSR 94 (E) dated 25.01.2018/Hon'ble National Green Tribunal order in O.A. No.21 of 2014 and O.A. No. 95 of 2014 in the matter of Vardhaman Kaushik Vs. Union of India & others and Sanjay Kulshreshtha Vs Union of India & others, CAQM/CPCB/DPCC extant statutory orders/guidelines/directions issued time to time including registration on Dust Pollution Control Self-Assessment Portal with provision of video fencing and low cost sensors for monitoring PM 2.5, PM 10.
16. PP shall not exceed the top elevations of the buildings above 260.05 m AMSL.
17. The cost of Environment Management Plan should be distinctly allocated in the budget of the project and details of the same along with time frame of the implementation should be reported in six monthly monitoring reports.
18. In view of MoEF&CC Office Memorandum No. 21-270/2008-IA.III dated 19.06.2013 read with MoEF&CC Office Memorandum No. 22-154/2015-IA.III dated 10.11.2015, this environmental clearance is granted focusing only on the environment concerns. The project will be regulated by the concerned local Civic Authorities under the provisions of the relevant provisions of the extant MPD-2021, Building Control Regulations and Safety Regulations.

Amr Kumar *CA Ashish* *Dr. Anand* *Cam* *SEM* *Parvinder*

19. The Environmental Clearance is subject to the condition that concerned local civic agencies will give the permission for use/ occupation of the building only after assured water supply of DJB/ New Delhi Municipal Council / other such local civic authority (as the case may be).
20. The green building audit shall be done on annual basis since inception of the project. Further, the audit report shall be included in six monthly compliance report.
21. Occupancy of the premises would be allowed only after getting Electric supply from concerned power supply agencies to restrict the use of generator sets.
22. Grant of environmental clearance does not necessarily implies that water/ power supply shall be granted to the project and that their proposals for water/ power supply shall be considered by the respective authorities on their merits and decision taking.
23. The investment made in the project, if any, based on environmental clearance so granted, in anticipation of the clearance from water/ power supply angle shall be entirely at the cost and risk of the project proponent and SEAC/SEIAA, Delhi shall not be responsible in this regard in any manner.
24. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/ reused for flushing, AC makeup water and gardening.
25. Advanced oxidation process should be used in STP and ETP to ensure proper treatment of drug residues and its metabolites.
26. The PP shall provide toxic gas (Combustible gas, Carbon dioxide and Hydrogen sulphide, Methane, VOCs, Ammonia) detectors for STP area.
27. Rainwater harvesting scheme should avoid the surface rainwater/ leachate from the bio-medical waste infected areas.
28. Bio medical waste should be segregated separately to ensure that no bio medical waste leachate should enter in the Rain water harvesting system.
29. Capital Investment with respect to mitigation measures in operation phase as per EMP has been included in the Project Cost and Recurring cost shall be Rs. 33.20 Lacs/ year. During Construction phase EMP's Capital Cost shall be 23 Lacs and Recurring Cost shall be 88.20 Lacs/ year.
30. The Environment Management Cell consisting of atleast 3 Senior level Environmental/ Safety Managers supported by 6 Environmental Scientists/ Engineers having specific knowledge and experience related to environmental safeguards/ air/ water pollution and bio-medical waste management practices shall be created and made functional before commissioning of any of the proposed redevelopment.
31. At least 2 % of the total energy demand to be sourced from renewable energy.
32. Energy audit shall be carried out periodically to review energy conservation measures.
33. All sensor/meters based equipments should be calibrated on quarterly basis.
34. Proper management strategy for Bio-medical waste/ Liquid effluent as per Bio-Medical Waste Management Rules, 2016 and relevant guidelines of MoEF&CC/ CPCB.
35. Ground water extraction shall not be done without permission from competent authority of Delhi.

Compl. by CA Ashish

Ashish

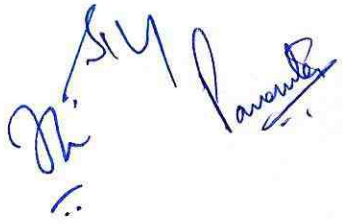
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36. Project proponent shall sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by MoEF&CC on 12/08/2021. A report on the measures taken shall be included in the six monthly compliance report.
37. PP shall provide electric charging points in parking areas for e-vehicles for at-least 20% of car parking.

Compliment of Ashish   

Agenda No 5

Case No. C-369

Name of the Project	EC for Development/Redevelopment of Executive Enclave at Plot No. 36 & 38, New Delhi
Project Proponent	Sudhir Kumar Tiwari, Executive Engineer, M/s Central Public Works Department (CPWD), Ministry of Housing and Urban Affairs (MoHUA), A Wing, Nirman Bhawan, New Delhi, Delhi-110002
Consultant	Kadam Environmental Consultants
Project EIA coordinator present during the meeting	Dr. Kamal Gangwar (EIA Coordinator) Mr. Ayush
Rep. of the PP present during the meeting	Mr. Ram Dayal (CE, CPWD) Mr. Sudhir Tiwari (EE, CPWD)
Proposal No.	SIA/DL/MIS/246726/2021
File No.	DPCC/SEIAA-IV/C-369/DL/2021

A. Details of the proposed project are as under:

1. The Proposal is for grant of EC for Development/Redevelopment of Executive Enclave at Plot No. 36 & 38, New Delhi by M/s Central Public Works Department.
2. The project is located at
Block A: Latitude: 28°36'38.29" N, Longitude: 77°12'21.93" E.
Block B: Latitude: 28°36'33.85" N, Longitude: 77°12'33.07" E.
3. **Area Details:** The total Plot Area of the project is 81,808.96 sqm. The total Built-up Area (BUA) will be 90,000sqm i.e. The Built-up Area (without basement) is 61000 sqm, Basement Area is 21600 and Contingency Area is 7400 sqm. Existing Built up Area to be demolished is 47,000 sqm. Ground Coverage proposed to be achieved is 18900 Sqm. The total no. of proposed buildings is 05 nos. & number of floors of each building is B+G+1, B+G+1, B+G+3, B+G+3, B+G+3 respectively. Maxi. height of the building is 27m
4. **Water Details :**
During construction phase at construction site, Total water requirement will be 109 KLD out of which 55 KLD will be potable water which will be sourced from NDMC and 54 KLD will be non-potable water which will be sourced from Okhla STP. At Laydown site, Total water requirement will be 660 KLD out of which 270 KLD will be potable water which will be sourced from DJB and 390 KLD will be non-potable

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water which is proposed to be met from nearby DJB STP. Waste water generated will be collected and treated in an on-site waste water/ sewage treatment plant and will be reused either in gardening, construction related works such as curing or flushing or sprinkling as required after securing necessary consents.

During operational phase, total water requirement of the project is expected to be 462 KLD and the same will be met by 146 KLD fresh water from NDMC and 316 KLD treated water from Okhla STP. Wastewater generated (170 KLD) will be treated in 2 STPs of capacity 100 KLD each. Treated wastewater from onsite STPs (162 KLD) will be recycled and re-used. Water required for HVAC (278 KLD) and Horticulture /Landscaping (200 KLD) will be met from treated water from Okhla STP and on site recycled water. The project is designed as a Zero Liquid Discharge (ZLD) project. Rooftop rainwater of buildings will be collected in RWH tanks. For the PMO building, the harvesting tank capacity is 200 KL, and for the other buildings, the harvesting tank capacity is 100 KL.

5. Solid Waste Details :

During Construction phase, >300 tons of C&D waste is likely to be generated during the project which will be re-used and recycled either at Proposed Site or at C&D Waste Management Facility (C&DWMF). About 720 Kg/day of Municipal Solid Waste will be generated in the project. The biodegradable waste (288 Kg/day) will be processed in Organic Waste Converter (OWC). The non-biodegradable waste (288 Kg/day) and Inert Waste (144 kg/day) will be handed over to authorized local vendor. During Operation phase, about 726 Kg/day of Municipal Solid Waste will be generated in the project. The biodegradable waste (311.6 Kg/day) will be processed in Organic Waste Converter (OWC). The Non-Biodegradable Waste (331.2 Kg/day) and Inert Waste (83.2 kg/day) will be handed over to authorized local vendor. C&D waste if generated will be handled in the same manner as done during construction phase.

6. Power Details :

The total power requirement during construction phase is 400 KW and will be met from NDMC and total power requirement during operational phase is 5778 KW and will be met from NDMC. For Power backup during construction phase, DG sets of Capacity 1×500 kVA and during Operational phase, DG sets of Capacity 6×2000 kVA (04 working and 02 standby) will be installed. 135 KWp rooftop PV system is proposed to harvest solar energy in the project.

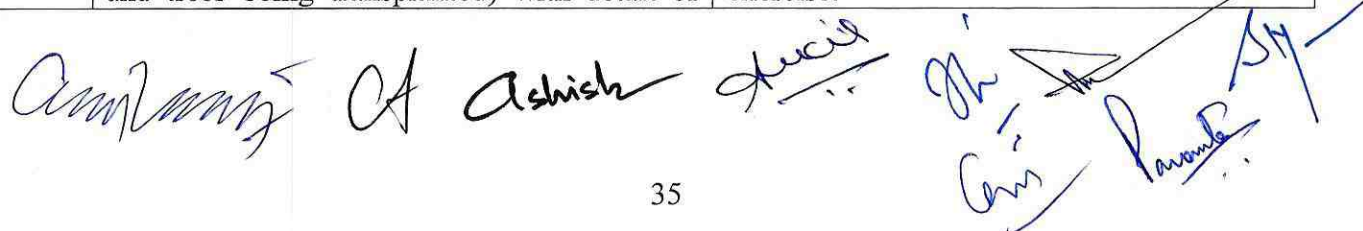
7. **Parking facility:** The total proposed parking facility is 520 ECS (320 ECS within site boundary and 200 ECS are proposed in additional plots)
8. **Eco-Sensitive Areas:** Distance from Asola Bird Sanctuary is 12.79 Km SSE and Okhla Wildlife Sanctuary is 9.67 km SE from the project site.
9. **Plantation:** Total green area proposed is 28,500sqm. There are 784 trees present at the site. Out of these, 154 trees are proposed to be retained and 630 trees are proposed to be transplanted. No. of tree plantation required (1 tree per 80 m^2 of plot area for development) is 787 nos. Total no. of trees to be (retained + planted) within project area is 788 (154+634) nos.

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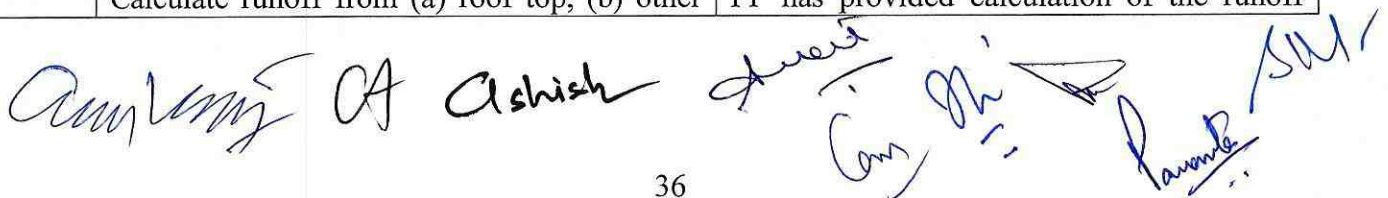
10. Cost of the project: Total cost of the project is Rs. 1381 Crores.

After due deliberations, the SEAC in its 98th Meeting (1st Sitting) held on 31.01.2022, based on the information furnished, documents shown & submitted, presentation made by the project proponent recommended to seek the additional information which has been responded back by the project proponent on 11.03.2022 as follows:

S.No.	Information Sought by SEAC during SEAC Meeting dated 31.01.2022	Reply dated 04.03.2022 submitted on 11.03.2022												
1.	Building Plan approval from NDMC, DUAC and Delhi Fire Service.	PP has informed that Building plans have been submitted to the authorities & are under approval.												
2.	The trees on the site form an important part of the natural heritage of the city. While the ground coverage on the site is reducing from existing 40% to around 20%, about 80% of the existing trees are proposed to be removed. This is an excessively high proportion. An existing tree inventory with species and girth of each tree may be prepared, along with a baseline green area map, showing all trees – (a) trees to be retained, (b) trees to be removed due to building ground coverage, (c) and trees to be removed due to additional paved area. Attempt may be made to increase the trees to be retained.	PP has informed that an attempt has been made to increase the number of trees to be retained on the site by modification in design. PP has attached an existing tree inventory with species and girth of each tree PP has attached an affidavit dated 04.03.2022 informing the change in the number of trees from 784 Trees (submitted in Form 1, 1A and conceptual plan) to 807 Trees (as per latest survey). PP has attached a revised Green area map and layouts showing the bifurcation of trees to be retained and transplanted. Brief is given below: <table border="1"> <thead> <tr> <th>Particulars</th><th>Latest Figure</th><th>Previous Figure</th></tr> </thead> <tbody> <tr> <td>Total No. of Trees at site</td><td>807 nos.</td><td>784 nos.</td></tr> <tr> <td>Trees to be retained</td><td>320 nos.</td><td>154 nos.</td></tr> <tr> <td>Trees to be removed & transplanted</td><td>487 nos.</td><td>630 nos.</td></tr> </tbody> </table> PP has also informed that to minimize environmental impact, 90 out of the 487 trees are proposed to be transplanted on plot no. 30 (SPG) in the vicinity.	Particulars	Latest Figure	Previous Figure	Total No. of Trees at site	807 nos.	784 nos.	Trees to be retained	320 nos.	154 nos.	Trees to be removed & transplanted	487 nos.	630 nos.
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Trees to be removed & transplanted	487 nos.	630 nos.												
3.	Revised proposal with enhanced requisite number of tree plantation. Complete plan for transplantation of trees (trees being retained and trees being transplanted) with detail of	PP has informed that survival rate count of transplanted trees can be known and shared only after 12 months of the transplantation exercise.												



	the proposal for survival of transplanted trees along with the layout indicating location of trees with reasons/ justification for not transplanting the trees within the project sites.	PP has also clarified that transplanting the trees within the project is not recommended as it will include transplanting the trees twice, once in the nearby area & then back to the plot within in a short span of 2-3 years which will reduce the survival rate of trees.																					
4.	It was noted that valuable open area was being used for at-grade parking. Proponent to provide justification why all parking cannot be accommodated in basements or stilts. Also plans to be provided showing that no trees are being cut or transplanted for provision of the at-grade parking.	PP has informed that all trees in the proposed grade parking will be retained. PP has informed that as per security guidelines, basements of some buildings will not be used for parking and will only be utilized to house services/ service infrastructure required for the building.																					
5.	Wherever tree plantation is being taken up, preferably large shade-giving native trees should be planted and not just ornamental trees. Tree-pit size of 6'x6' to be ensured.	PP has attached the proposed tree species list - large & medium sized to be planted at site. PP has also informed that Tree-pit size of 6'x 6' will be ensured																					
6.	It was noted that the site has been enclosed by high boundary walls and buildings set far back from the footpaths of external Roads, which compromises safety of women on footpaths. This aspect needs to be addressed through suitable design interventions and technological measures.	PP has informed about the suitable measures proposed by them to ensure the safety of women.																					
7.	The measurement of the area covered by the parking provision and the area covered for building use.	PP has informed about the area covered by parking and building use which is as follows: <table border="1"> <thead> <tr> <th align="center" colspan="2">Description</th><th align="center">Area (sqm)</th></tr> </thead> <tbody> <tr> <td align="center" colspan="2">Area covered by the parking provision</td><td align="center">5,321</td></tr> <tr> <td align="center" colspan="2">Area covered for building use</td><td align="center">23059</td></tr> <tr> <td align="center">i</td><td>PMO Footprint</td><td align="center">13822</td></tr> <tr> <td align="center">ii</td><td>IH Footprint</td><td align="center">2647</td></tr> <tr> <td align="center">iii</td><td>NSCS Footprint</td><td align="center">3295</td></tr> <tr> <td align="center">iv</td><td>Cabinet Secretariat Footprint</td><td align="center">3295</td></tr> </tbody> </table>	Description		Area (sqm)	Area covered by the parking provision		5,321	Area covered for building use		23059	i	PMO Footprint	13822	ii	IH Footprint	2647	iii	NSCS Footprint	3295	iv	Cabinet Secretariat Footprint	3295
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8.	Rain water harvesting needs to be revised taking into account the recent flash rain data and actual percolation rate of the soil at site. Calculate runoff from (a) roof top, (b) other	PP has informed that RWH tanks have been provided to collect surface runoff from the terraces. PP has provided calculation of the runoff																					



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	paved areas, and (c) green areas separately. Review peak rainfall runoff threshold used in the calculation – given the experience of last 5 years with extreme rainfall events and likely increase in frequency with climate change in the next 50 years and create adaptive strategy accordingly.	from (a) roof top (b) other paved areas, and (c) green areas by taking 35 mm/hr rainfall
9.	Prepare management strategy for each of these (a) roof top, (b) other paved areas, and (c) green areas a. Design natural storm water retention capacity in the green areas by marginal lowering, and gradient management, which can enhance natural percolation, and indicate the same in m³, b. Design separate storm water retention and recharge or reuse capacity for rooftop runoff and paved areas.	PP has provided its management strategy for roof top, other paved areas, and green areas PP has also informed that total 18 Nos. of recharge trenches of approx. 38 cum. volume will be provided. PP has also informed that green areas will have a surface slope of 1:150 with higher level ridges to direct the surface run-off towards the lowered planter beds
10.	Justification for providing 135 KWp rooftop Solar PV System which is at lower side.	PP has informed that it is not possible to augment the renewable energy utilization by PV systems on terrace to 5-7% on the grounds of movements required for security personnel & other equipment to be placed on the terrace. PP has also informed that solar PV system provided is already more than required as per UBBL for Delhi, 2016 & ECBC, 2017
11.	Revised Geotechnical Report with cross-sectional view of rock strata along with details of pre and post monsoon water table in project area.	PP has attached the Final Geotechnical Report for the site.
12.	Specific aspects relating to the project under reference are required to be submitted which are covered in Environmental Clearance dated 31.05.2021 along with the clarification on change of land use affected post EC dated 31.05.2021 in view of MoHUA Notification dated 04.08.2021 and 21.09.2021.	PP has informed that the EC dated 31.05.2021 does not cover the Executive Enclave. PP has also informed that post the notification dated 04.08.2021 by MoHUA and clarification for plot area dated 16.09.2021, an application for Executive Enclave was submitted since the desired land use was now available

13.	PP is required to quantify the no. of labours and the detailed plan for the proposed labour camps for housing them.	PP has informed that a peak of 3600 workers will be expected, including 200 employees and 3400 temporary staff. PP has informed about the three laydown site identified by them: Mukundpur Chowk (~18 Acres) or Utsav Sthal (~11.38 Acres) and Kirtinagar laydown site (currently being used for the construction of new Parliament building) for housing of labours. PP has also attached a standard layout plan for housing of the labour.
14.	Proportion wise Step Diagram to be provided showing the amount of reduction in net per capita Energy Demand achieved as compared to base case scenario, through (i) Load Reduction Strategies, (ii) Passive Strategies, (iii) Renewables, and (iv) Energy Recovery strategies. Atleast 2 % of total energy demand to be sourced from Renewables. Percentage reduction through each of the aforesaid strategies to be provided in a consolidated diagram format for easy comprehension.	PP has attached a step diagram showing the amount of reduction in net per capita Energy Demand achieved as compared to base case scenario.
15.	Proposal for provisioning the energy audit during operation phase.	PP has informed that energy audit will be done through BEE Accredited Energy Auditor during operation phase. PP has also informed that in order to facilitate the process of energy audit, digital energy meters and sub-meters will be installed.
16.	Proportion wise Step Diagram showing the amount of reduction in Net Per Capita Water Demand achieved through (1) Each Demand reduction strategy (eg. Low flow fixtures, Xeriscaping etc.), (2) Recycling and Reuse.	PP has informed that the project will be equipped with low water flow and flush fixtures along with incorporation of efficient irrigation system & xeriscaping. PP has provided the reduction in net per capita Water Demand achieved as compared to base case scenario. PP has informed that 200KLD of STP will be installed at the project.
17.	Elaborated effects of the building activity in altering the microclimates with revised self-assessment on the likely impacts of the proposed construction on creation of heat island & inversion effects	PP has attached a summary of the area statement comparing existing area and proposed area in terms of mitigating Urban Heat Island Effect (UHIE). PP has also informed that 63% of proposed area will help in reducing heat island effect vs 5% of current development.

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18.	Plan for managing, conserving the top soil excavated during construction and for its reuse.	PP has informed about the management plan for conserving the top soil excavated during construction and for its reuse.
19.	Provision for electric charging of the e-Vehicles as per Building Bye Laws.	PP has informed that electric charging of the e- Vehicles will be provided as per the Building Bye laws.
20.	Specify name and numbers of the post to be engaged by the proponent for implementation and monitoring of environmental parameters.	PP has informed that 1 EE, 2 AEE and one person of CPM level will be appointed to ensure implementation and monitoring of environmental parameters.

In response to the query raised by the SEAC in its 98th meeting (1st Sitting) held on 31.01.2022, PP has submitted an affidavit dated 04.03.2022 regarding the following changes:

S.No.	Particulars	Data as per the online uploaded/ submitted application Form 1, Form 1A, Conceptual Plan & Presentation made on 31.01.2022	Changes made as per reply uploaded on 11.03.2022 in response to ADS on 15.02.2022	Remarks
1.	Actual Ground Coverage achieved	18,900.00 sqm	23,054.00 sqm	-
2.	Actual FAR achieved	0.231 %	0.28	-
3.	Basement Area	21400 sqm	22,271.00 sqm	-
4.	Hardscape Area (Road + Pedestrian)	34,000.00 sqm	30,250.00 sqm	Existing Hardscape Area: 45000 sqm
5.	No. of Trees at site	784 nos.	807 nos.	Based on discussions with the competent authority and application submitted on 03.03.2022 to Forest Dept.
6.	No. of Trees to be retained	154 nos.	320 nos.	-
7.	No. of Trees to be transplanted/ relocated	630 nos.	487 nos.	-
8.	No. of Trees to be added as part of compensatory afforestation	6,300 nos.	4,870 nos.	-
9.	Total no. of Trees proposed to be (retained + planted) within project area	788 nos. (154 + 634)	954 nos. (320 + 634)	-

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During the SEAC meeting dated 26.03.2022, the hard copies for the proposed executive Enclave plot No 36 (25 nos.) and Plot no. 38 (43 Nos.) submitted on 23.03.2022 by HCP Design, Planning & Management Pvt. Ltd. vide letter dated 22.03.2022 Ref: 19052-00-LR-282 were seen by the expert members of the committee.

After due deliberations, the SEAC in its 101st Meeting held on 26.03.2022, Based on the information furnished, documents shown & submitted, presentation made by the project proponent SEAC sought the additional details which has been responded back by the PP as follows:

S.No.	Information Sought by SEAC during SEAC Meeting dated 26.03.2022	Reply dated 06.04.2022 uploaded on 07.04.2022
1.	As per the MoEF&CC OM dated 9th June 2015, Condition no. 91 states, "91. Provide minimum 1 tree for every 80 sq. mt. of plot area". The plot area of the project is 81,808 m ² . The minimum number of trees therefore works out to (81808/80) 1022 trees. However the total number of trees retained (320) plus trees planted (634) adds up to 954. Thus there is a shortfall of (1022-954) 68 trees	PP has informed that the proposed nos of trees have been increased to 1022 nos to meet the norms for minimum 1 tree for every 80 sq. mt. of plot area PP has also attached the revised layout plan of proposed nos of trees.
2.	As per the MoEF&CC OM dated 9th June 2015, item 92, for each of the trees being removed, compensatory plantation has to be in the ratio of 1:3 on the premises. "92. Wherever trees are cut or transplanted, compensatory plantation in the ratio of 1:3 to be done in the premise." Hence for this site, as per item 92, if 487 trees are to be removed, then the compensatory plantation that has to be done within the site is (487 x 3) = 1461 trees.	PP has informed that there is no space available in plots 36/38 for planting additional 759 trees in the premises. However, PP has proposed to plant 759 additional trees in the adjacent plot 30B (which is green/district park as per land use) to meet the requirement of compensatory transplantation PP has attached the layout plan of plot 30B for proposed compensatory plantation. PP has requested SEAC to not to insist for the implementation of the condition of compensatory plantation in the ratio of 1:3 within the project site as mentioned in MoEF&CC OM dated 9th June 2015 as PP feels that OM dated 9th June 2015 is not applicable to present case. PP has attached MoEF&CC gazette notification S.O. 3252 (E) dated 22.12.2014, MoEF&CC OM dated 09.06.2015, MoEF&CC gazette notification S.O. 3999 (E) dated 09.12.2016, MoEF&CC gazette

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		notification S.O. 5733 (E) dated 14.11.2018 in support of the request with clarification for the same. In view of above the CPWD has stated that there is no requirement of compensatory plantation in premise and PP shall be doing compensatory plantation in the ratio of 1:10 in NTPC, Badarpur as required to obtain necessary clearance under Delhi Preservation of Trees Act, 1994. SEAC has been requested not to insist for the implementation of the condition of compensatory plantation in the ratio of 1:3 which in any case appears contradictory and not implementable in most cases, prima-facie.
3.	Revised Landscape Plan is required to be submitted along with the list of trees provided with a unique numerical ID for each tree. The species name, girth, height and spread of each tree has already been provided. However, clarification is required as to which tree is being retained and which is being removed/transplanted from the list. Further, the Landscape plan drawing shows the trees but does not show the unique Tree ID number on the drawing. Hence the tree list and the tree map cannot be correlated with each other. According it is recommended that: a. The unique tree ID is added to each tree on the tree map/landscape plan. b. The following additional columns on the tree list are added: - Tree being retained. - Tree being removed and transplanted close to site - Trees being removed and transplanted further away from the site	PP has attached the revised landscape plan with the unique numerical id for each existing tree. PP has attached the detailed list of vegetation to be transplanted and to be retained with additional information. PP has also informed that list submitted is a statement of intent and is dependent on clearance issued by the Forest Department and on the actual exigencies of the construction phase working. PP has also informed that if in any case changes will occur the status of the same will be submitted to the competent Authorities under the EIA Notification and the Delhi Preservation of Trees Act, 1994.
4.	Rainwater harvesting calculation. a. The sum of the total paved area shown (30,250) and green area (28,500) is 58,750, but the total site area after removing covered area is 63,849 m². The difference between	PP has informed that the difference in the numbers has been corrected in the revised rainwater harvesting calculations.

The bottom of the page features several handwritten signatures and initials in blue ink. From left to right, there is a signature that appears to be 'Anupam', followed by 'CA Ashish', and then a signature that looks like 'Anurag'. To the right of these are several other initials and signatures, including one that looks like 'S14' and another that looks like 'Rant'. There are also some smaller, less legible signatures and initials scattered around.

	these numbers needs to be accounted for in the rainwater harvesting calculation	
5.	Rainwater harvesting design calculation needs to be revisited on the basis of actual percolation rate of soil at site.	PP has informed that the calculations for the rainwater harvesting have been revised considering the actual percolation rate. PP has given the revised rainwater harvesting calculations as per the actual percolation rate. PP has also attached the percolation test report.
6.	The rainwater retention capacity of the green areas will be calculated and shared. Attempt will be made to enhance the same in the green area.	PP has informed that the soil profile as observed in the geotechnical investigations will offer a good retention capacity of the rainwater and will assist in utilization of rainwater by the trees. PP has also informed that bio-swales type arrangements with holding capacity (300 cu.m.) will be done in some green areas to further increase percolation of the rain water.
7.	Water consumption source for the layover sites for the construction workers has been shown as NDMC which needs to be clarified in correct manner.	PP has attached an application to Delhi Jal Board (DJB) dated 02.04.2022 for supply of the fresh water at the laydown site PP has also attached the water consumption and water balance for the laydown site. PP has clarified that if DJB does not agree for supply then water will be arranged to authorized tanker and no ground water extraction will be allowed at site.
8.	For the purpose of green area the Project Proponent has proposed to include a part of plot no. 30B in this project for submission of revised calculations of tree plantation.	PP has informed that an area of 8632 sq.m. of plot no 30B will be used for the purpose of tree plantation. PP has attached the Layout of 30 B plot showing the same

The SEAC deliberated on the issue of compensatory plantation of the tree and a considered view was taken on the provisions outlined in OM dated 09.06.2015 and the subsequent provisions incorporated in notification dated 09.12.2016 (not being implemented in view of Hon'ble NGT Judgment dated 08.12.2017 in OA No. 677 of 2016) and notification dated 14.11.2018 (stayed by Hon'ble High Court of Delhi in W.P.C. No. 12517 of 2018) and standardization of Environment Clearance conditions issued vide OM F. No. 22-34/2018-IA.III dated 04.01.2019 with specific clause no. VII under the heading 'Green Cover'.

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After due deliberations, the SEAC in its 102nd Meeting held on 09.04.2022 recommended as follows:

Based on the information furnished, documents shown & submitted, presentation made by the project proponent and recommended the case to SELAA for grant of Environmental clearance imposing the following specific conditions:

SPECIFIC CONDITIONS:

1. The PP shall undertake compensatory plantation in the ratio of 1:10 after obtaining necessary clearance under Delhi Preservation of Trees Act, 1994.
2. The existing trees at the site are 807 nos (Annexure I) out of which 320 nos will be retained at the site and 487 nos. of trees will be transplanted (90 no. of trees in the part of adjacent plot 30B and remaining trees to be transplanted at Rajghat). The PP shall plant 702 additional trees to maintain 1022 nos. of trees within the project site. In addition 759 trees will be planted in the adjacent plot 30B (which is green/district park as per land use) as committed as a part of compensatory plantation proposed for 4870 trees.
3. The project proponent included 8632 sqm of the adjacent plot no 30 B for tree plantation purposes as agreed by the CPWD and this area will be maintained as a district park. The requirement of mandatory plantation in plot no 30 B shall mandatorily be disclosed to the statutory authorities while undertaking any development work in this portion, if any, in future.
4. All trees in the proposed grade parking shall be retained.
5. In tree plantation, preferably large shade-giving native trees should be planted and not just ornamental trees. Tree-pit size of 6'x6' to be ensured.
6. The Committee noted that Tree Survey of the project was conducted in 2022 which should have been done earlier. It is advised to save more number of trees as far as possible while proceeding with the execution of the project.
7. PP shall take suitable measures to ensure the safety of women along the high boundary walls and buildings set far back from the footpaths of external Roads, which compromises safety of women on footpaths.
8. Rain water harvesting for (a) roof top (b) other paved areas, and (c) green areas shall be done through total 18 Nos. of recharge trenches of approximately 38 cum volume each, which shall allow the water to be stored, and to percolate into the ground.
9. The green areas shall have a surface slope of 1:150 with higher level ridges to direct the surface run-off towards the lowered planter beds. This will enhance natural percolation. Bio-swailes type arrangements with holding capacity (300 cu.m.) will be done in green areas to further increase percolation of the rain water as per drawing submitted during presentation.
10. Solar PV system shall be provided to meet at least 2% of the demand load during the operation phase as committed.
11. Provision shall be made for housing of construction labour at laydown site identified with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets,

Amrinder Singh *OA* *Ashish* *Shi* *Shi* *Shi* *Shi*

- mobile STP, safe drinking water, medical healthcare, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
12. To carry out energy audit through Bureau of Energy Efficiency (BEE) Accredited Energy Auditor during the operation phase, regular monitoring of project's energy consumption shall be ensured by installing digital meters at the point sources for, utility grid, on-site renewable energy system, Gas Genset etc. Additionally, Sub-meter shall also be installed to monitor energy consumption for HVAC central plant- AHU, Cooling tower, Chillers (BTU meters) and/or distributed units (split/window ACs).
 13. The project will be equipped with low water flow and flush fixtures along with incorporation of efficient irrigation system & xeriscaping and shall achieve maximum reduction from the base case water consumption figures adopted in design.
 14. Impacts of the proposed construction on creation of heat island effect shall be minimized. Option of creating water bodies should be explored.
 15. Top soil of up to 20 cm shall be taken off and stock piled at a protected place. Natural growth of grass/ vegetation on such protected stockpiled soil shall be allowed. The area under which the excavated top soil will be stored, shall be barricaded and left undisturbed throughout the project construction. The preserved top soil shall be used for horticulture development/ plantation of the proposed vegetation on site.
 16. Electric charging of the e- Vehicles will be provided as per the Building Bye laws.
 17. 01 Executive Engineer & 02 Assistant Executive Engineer shall be engaged dedicatedly by PP for implementation and monitoring of environmental parameters. In addition to this, one person of CPM level will be also to there to ensure implantation and monitoring of parameters.
 18. During construction phase at construction site, Total water requirement will be 109 KLD out of which 55 KLD will be potable water which will be sourced from NDMC and 54 KLD will be non-potable water which will be sourced from Okhla STP after adequate polishing treatment. At Laydown site, Total water requirement will be 660 KLD out of which 270 KLD will be potable water which will be sourced from DJB and 390 KLD will be non-potable water which is proposed to be met from nearby DJB STP after adequate polishing treatment.
 19. Treated water of DJB STP should be used for construction purposes with tertiary treatment of treated water of DJB STP to ensure it is fit for construction use.
 20. Boring for Rain Water Harvesting system should not be permitted/ done before completion of structure work. All recharge should be limited to shallow aquifer.
 21. During operation phase Flow Meters/ Sensors should be installed to monitor consumption of fresh water as well as treated water and data logger using IoT systems for these flow meters be maintained in a regular manner. Flow meters shall be installed at Inlet of STP, outlet of STP, inlet of flushing tanks, inlet of cooling water tanks and reuse line for horticulture purposes and at the final outfall/ sewer connection. Calibration for all the Flow meters shall be maintained on quarterly basis.
 22. Solar water heating shall be provided to meet its hot water demand as far as possible.
 23. Only LED lighting fixtures should be used.

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24. Green building norms should be followed with a minimum 3 star GRIHA/IGBC rating and Gold rating should be followed up.
25. Construction & Demolition waste should be disposed off at authorized C&D waste processing unit.
26. Wind- breaker of appropriate height i.e. $1/3^{rd}$ of the building height and maximum up to 10 metres shall be provided all around the project site before the start of construction.
27. The Project Proponent should take measures for control of Dust Pollution during construction phase at project site as well as at lay down site as per MoEF&CC Notification No. GSR 94 (E) dated 25.01.2018/Hon'ble National Green Tribunal order in O.A. No.21 of 2014 and O.A. No. 95 of 2014 in the matter of VardhamanKaushik Vs. Union of India & others and Sanjay Kulshreshtha Vs Union of India & others, CAQM/CPCB/DPCC extant statutory orders/guidelines/directions issued time to time including registration on Dust Pollution Control Self-Assessment Portal with provision of video fencing and low cost sensors for monitoring PM 2.5, PM 10.
28. The project proponent should adhere to the cost of Environmental Monitoring as committed i.e. capital cost of Rs. 743 Lacs and recurring cost of Rs. 88 Lacs/ year during construction phase and Rs. 673 Lacs and recurring cost of Rs. 73 Lacs/ year during operation phase. The cost of Environment Management Plan should be distinctly allocated in the budget of the project and details of the same along with time frame of the implementation should be reported in six monthly monitoring reports.
29. In view of MoEF&CC Office Memorandum No. 21-270/2008-IA.III dated 19.06.2013 read with MoEF&CC Office Memorandum No. 22-154/2015-IA.III dated 10.11.2015, this environmental clearance is granted focusing only on the environment concerns. The project will be regulated by the concerned local Civic Authorities under the provisions of the relevant provisions of the extant MPD-2021, Building Control Regulations and Safety Regulations.
30. The Environmental Clearance is subject to the condition that concerned local civic agencies will give the permission for use/ occupation of the building only after the written assurance of DJB/ New Delhi Municipal Council / other such local civic authority (as the case may be) regarding supply of adequate water for the residents/ occupiers.
31. Grant of environmental clearance does not necessarily implies that water/ power supply shall be granted to the project and that their proposals for water/ power supply shall be considered by the respective authorities on their merits and decision taking.
32. The investment made in the project, if any, based on environmental clearance so granted, in anticipation of the clearance from water/ power supply angle shall be entirely at the cost and risk of the project proponent and SEAC/SEIAA, Delhi shall not be responsible in this regard in any manner.

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33. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/ reused for flushing, AC makeup water and gardening. As proposed, no treated water shall be disposed in to municipal drain.
34. The PP shall provide toxic gas (Combustible gas, Carbon dioxide and Hydrogen sulphide, Methane, VOCs, Ammonia) detectors for STP area with IoT based systems.
35. Sound attenuation measures shall be taken to restrain the noise from cooling towers.
36. All sensor/meters based equipments should be calibrated on quarterly basis.
37. The green building consultant should be hired for yearly audit since inception of the project.
38. The PP should submit audit report of survival of transplanted as well as newly planted trees as a part of six monthly compliance report.

In view of above the project was considered by SEIAA in its 60th Meeting held on 19.04.2022 and SEIAA during its meeting took the following decisions (s):

The Chairman SEIAA appreciated the appraisal done by the SEAC taking into account the diversified aspects of the project however after discussion, it was decided to refer back the matter to SEAC on a limited aspect to examine the implementation of Tree Plantation Policy 2020 notified by Govt. Of NCT of Delhi so that all the points of the aforesaid policy are complied in the project under consideration in view of substantial tree transplantation involved. Also the project is required to utilize the recycled products manufactured in C&D Waste processing plants of NCT of Delhi.

PP (EE, CPWD) vide letter dated 27.06.2022, quoting the provisions of para 8 (ii) and 8(iii) of EIA Notification, 2006 informed that after their case considered in the 102nd Meeting of SEAC and recommended to SEIAA, SEIAA has neither sent case back to SEAC for reconsideration or raised observations nor conveyed the Environment Clearance to the project and presuming that Environment Clearance of the said project has been granted and applicant is proceeding with the execution of project by following the conditions specified in the recommendation of SEAC dated 9th April 2022

Further, a letter dated 30.06.2022 received via mail dated 30.06.2022 the applicant requested to convey meeting of SEAC on priority for re-recommending the case to SEIAA for early accordence of EC formally as it is the prestigious project of national importance of Executive Enclave and in view of Minutes of Meeting of 60th SEIAA-Delhi meeting issued vide no. DPCC/MS/SEIAA-IV/03/60/2021-22/3861-3867 dated 28.06.2022 confirmed the following:

1. PP shall be implementing Tree Plantation Policy, 2020 as notified by Govt. of NCT of Delhi in letter and spirit and
2. PP will be using recycled products manufactured in C&D Waste processing plants of NCT of Delhi or Municipal Corporation, Delhi subject to availability of required size and strength.

The case was considered as a Table Agenda in the 107th SEAC Meeting dated 01.07.2022 with permission to the chair and it was decided to list the matter in next forthcoming meeting.

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The representatives of project proponents appeared before SEAC in its meeting held on 09.07.2022.

After due deliberations, the SEAC in its 108th Meeting held on 09.07.2022 recommended as follows:

In the light of the matter being referred back by the SEIAA, to examine the implementation of Tree Plantation 2020 for the project, SEAC deliberated that there are certain elements in Tree Transplantation Policy, 2020 which are to be carried out/ implemented by the Project Proponent and Technical Agency appointed by the PP and by the Tree Officer/Authority. SEAC sought the following information before sending recommendation again to SEIAA expeditiously:

PP is stated to have taken certain steps under the Delhi Tree Transplantation Policy 2020 under clause 1 (2) and 4 (1) to 4(6). PP is requested to expeditiously provide information/documents/maps in relation to steps taken and to be taken in relation to implementing the policy for ensuring effective preservation and transplantation in terms of the subject policy, including but not limited to the tree site report, as also any terms of Reference/ Guidelines given/to be given to the implementing technical agency, submissions to the Tree Officer etc.

Accordingly, the ADS was raised at PARIVESH Portal on 12.07.2022 which has been responded back by the project proponent on 18.07.2022 vide letter dated 14.07.2022.

The proposal was listed in 109th meeting of SEAC held on 25.07.2022 however ***the proposal deferred for further consideration without going into the merit due to lack of quorum and presence of experts.***

The reply of the project authorities in respect of Tree Plantation Policy, 2020 was deliberated in the meeting.

The SEAC in its 111th Meeting held on 06.08.2022 recommended as follows:

The Tree Transplantation Policy, 2020 requires efforts to preserve existing trees by incorporating them in the initial site planning. On request, the project proponent agreed to re-examine the site plan including the shifting of helipad location which in the opinion of the committee would retain additional trees.

A sub-committee consisting of Sh. Gopal Mohan, Sh. Chetan Agarwal, Sh. Ashish Gupta, Sh. Pranay Lal and Sh. S.K. Juneja shall make a site visit and hold a meeting at site to examine implementation of the tree plantation policy and options for reviewing the site plan in order to retain trees.

Accordingly the site visit was made by the sub-committee (Sh Pranany Lal could not participate) on 27.08.2022 during which the project proponent provided the tree cutting permission accorded by the Delhi Govt vide notification dated 23.08.2022 for retaining 320 trees and transplantation of 487 trees at Ghata Masjid Park and plot no 30, Dara Shikoh road out of compensatory transplantation of 4870 trees. As per condition of aforesaid tree cutting permission the user agency is required to submit detailed plantation schedule to the concerned Tree Officer in compliance of Delhi Tree Preservation Act, 1994 and during

Compld by Ashish *Juneja* *Sh. Chetan* *Sh. Pranay* *Sh. S.K. Juneja*

transplantation of the trees all the conditions mentioned in Tree transplantation Policy 2020 shall be followed scrupulously by the user agency. Further the architect of the CPWD explained the committee about the constraint of shifting the location of Helipad. The subcommittee in view of the Tree Cutting permission dated 23.08.2022 issued by Forest Department recommended that implementation of aforesaid policy is to be looked after by the Govt. of NCT of Delhi and compliance are to be ensured by user agency.

As desired by the SEIAA a summary review of Tree Transplantation Policy vis-à-vis the project was done. The observations of the sub-committee were discussed and deliberated during SEAC Meeting as follows:

1. Clause 1(2) of TPP 2020 states that, *"Existing trees that can be prevented from felling or transplantation shall be properly preserved through careful planning, design, implementation and post construction maintenance."*

It was informed to the sub-committee by the PP that the tree survey was undertaken around September 2021 onwards. The design consultant was given the project at least a year prior. Hence the tree survey could not be incorporated in the planning and design phase of the project.

2. Clause 4(1) of TPP 2020 requires the preparation of a Site Tree Report, *"Site Tree Report: A tree survey shall be carried out at the time of project feasibility assessment and site identification to obtain the required information for developing site planning and trees preservation proposals."*

Clause 4(1) further states that, *"In case of Government agencies, preparation of Site Tree Report shall be done prior to seeking Expenditure Sanction (E/S) and the estimated costs for the same, based on guidelines issued by Department, should be included in the proposal for E/S. A copy of the Site Tree Report shall be submitted to the concerned Tree Officer for record prior to seeking Expenditure Sanction. However, no approval shall be required from the Tree Officer at this stage."*

- a. During the site visit, it was mentioned that the tree survey started around of September 2021 and the design contract was given in 2019/20. Thus tree survey was not carried out, **at the time of project feasibility assessment and site identification.** The building design was made independent of the location of the trees, and the tree survey was done at a later stage.
- b. It was informed that the Expenditure Sanction (E/S) for the design of the project was sought prior to the preparation of site tree report.
- c. Several large trees having a circular platform built around them having less than 3 feet distance from the tree were observed at site. These would have to be removed and at least a 3 feet radius be kept unpaved.

During the meeting, the PP informed that further efforts shall be made to save the trees by exploring the possibilities of shifting the excavation line of the proposed buildings.

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After due deliberations, the SEAC in its 113th Meeting held on 29.08.2022 recommended as follows:

Based on the information furnished, documents shown & submitted, presentation made by the project proponent and recommended the case to SEIAA for grant of Environmental clearance imposing the additional specific conditions:

Specific Conditions:

1. Project Proponent shall implement Tree Plantation Policy, 2020 as notified by Govt. of NCT of Delhi in letter and spirit which is to be monitored under the terms and conditions of tree cutting permission granted by Forest Department, Govt. of NCT of Delhi.
2. Project Proponent shall use recycled products manufactured in C&D Waste processing plants of NCT of Delhi or Municipal Corporation, Delhi as per suitability of required size and strength.
3. The project proponent shall make best possible efforts to save further existing trees by exploring the possibility of shifting the excavation line of the buildings proposed.
4. Adequate corrective measures shall be taken with respect to several large trees on site to ensure atleast 6 feet diameter of unpaved area around such trees.
5. The project will follow principle of Zero Liquid Discharge. Preference should be given for supplying excess treated water, if any in the nearby water bodies or parks. Excess treated water from the STP after all assigned usages

should be upgraded to CPCB Class A water quality and be used for ground water recharge through recharge pits after appropriate treatment.

Amr Singh *CA* *Ashish* *Dr. Jitendra* *Cam* *Shiv* *Parvinder*

Agenda No. 06**Case No. C-411**

Name of the Project	EC for Construction of Construction of EWS Housing at Dev Nagar, Karol Bagh, New Delhi by DELHI URBAN SHELTER IMPROVEMENT BOARD.
Project Proponent	Mr. Kishan Pal Singh, Engineer, M/s DELHI URBAN SHELTER IMPROVEMENT BOARD, Engineer C-11, DUSIB Office, Punervas Bhawan, I.P. Estate, New Delhi
Consultant	M/s IND TECH HOUSE CONSULT
EIA Coordinator present during Meeting	-
Representative of PP present during Meeting	-
Proposal No.	SIA/DL/MIS/284940/2022
File No.	DPCC/SEIAA-IV/C-411/DL/2022

A. Details of the Proposed Project are as under:

1. The Proposal is for grant of EC for Construction of Construction of EWS Housing at Dev Nagar, Karol Bagh, New Delhi by Delhi Urban Shelter Improvement Board.
2. The Project is located at **Latitude:** 28°39'35.73"N"; **Longitude:** 77°11'11.65"E.

3. Area Details:

The Plot Area of the project is 8460 sqm. The Proposed Total Built-up Area is 37068.174 sqm. The Proposed FAR Area is 23222.24 sqm. The Proposed Non FAR Area is 13845.94 sqm. The Proposed Ground Coverage is 2321.531 sqm. The total no. of floors will be St+14. The total no of expected population is 3466 persons. The Max. Height of the building is 42.65 m.

4. Water Details:

During Construction Phase, Water requirement will be met from Authorized Tanker treated water supply from Delhi Jal Board (DJB) and Waste water generated from the labour camp will be 5.57 KLD. Sewage generated will be collected in a sump and finally disposed regularly to nearby STP through vendors.

During Operational Phase, Total Water requirement of the project will be 286 KLD which will be met by 202 KLD of Fresh water from Delhi Jal Board and 84 KLD of Treated water from in house STP. No groundwater will be extracted. Total Waste water generated from the project will be 230 KLD which will be treated up to tertiary level in house STP of 280 KLD capacity. Treated Water from STP will be 207 KLD out of which 84 KLD treated water will be reused for Flushing (68 KLD), landscape (4 KLD) DG Cooling (1 KLD), Road Wash (11 KLD) and the rest amount of 123 KLD surplus treated

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water will be used in road side green area and nearby DDA park or Surplus treated water to be discharged in Municipal Sewer with Prior permission.

Number of Rain Water Harvesting (RWH) Pit proposed is 3 nos.

5. Solid Waste Details

During Construction Phase, Total 29.25 kg/day of solid waste will be generated. MSW generated will be disposed at designated dumping site through authorized vendors. Municipal solid wastes from construction site will be disposed at designated dumping site through authorized vendors.

During the Operation Phase, Total solid waste generated from project will be 1.87 TPD (0.45 TPD (Waste vegetables and foods etc.) and 0.25 TPD (Papers, cartons, thermocol, plastics etc.)). Solid wastes generated will be segregated into biodegradable and non-biodegradable components and collected in separate bins. The biodegradable wastes will be composted in an onsite composting unit and the manure will be used for landscaping. The non-biodegradable/ recyclable wastes will be disposed at designated site through authorized vendors.

6. Power Details

During Operation Phase, Total Power requirement will be 1608 kVA and will be met from Grid supply of BSES Rajdhani Power Ltd. For Power Back up, DG sets of Capacity 200 KVA will be installed.

Solar photovoltaic power panels of 46 KWp capacity (2.86 % of total power requirement) will be provided.

7. Parking Facility Details: Total Proposed Parking is 125 ECS (16 ECS space parking and 109 ECS basement/ upper floors).

8. Eco-Sensitive Areas Details: Distance of Okhla Wildlife Sanctuary from project site is 17.5 Km and from Asola Wildlife Sanctuary is 19.6 km.

9. Plantation Details: The proposed Green Area is 1279 sqm. (15.15 % of plot area). The Project site has 87 nos. of trees out of which 67 nos. of trees will be cut/ transplant with prior permission from the forest Department. Total no. of trees proposed is 110 nos.

10. Cost Details: Total Cost of the project is Rs 102.28 Crores.

B. After due deliberations, the SEAC in its 113th Meeting held on 29.08.2022 recommended as follows:

The committee deferred the proposal for further consideration in next SEAC Meeting due to paucity of time.

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Agenda No. 07

Case No. C-412

Name of the Project	EC for Construction of 184 Multi Storied Flats for Hon'ble MPs at sector 24, Baba Khark Singh (B.K.S) Marg, Gol Market, Lutyens zone, Central Delhi, Delhi-110001 by MINISTRY OF HOUSING & URBAN AFFAIRS (CPWD).
Project Proponent	Mr. Jay Prakash Singh, Executive Engineer & Senior manager C-IV, Ministry Of Housing & Urban Affairs (CPWD) 3, BD Marg, New Delhi, Delhi-110001
Consultant	Perfact Enviro Solutions Pvt. Ltd
EIA Coordinator present during Meeting	-
Representative of PP present during Meeting	-
Proposal No.	SIA/DL/MIS/286113/2022
File No.	DPCC/SEIAA-IV/C-412/DL/2022

A. Details of the Proposed Project are as under:

1. The Proposal is for grant of EC for Construction of 184 Multi Storied Flats for Hon'ble MPs at sector 24, Baba Khark Singh (B.K.S) Marg, Gol Market, Lutyens zone, Central Delhi, Delhi-110001 by Ministry of Housing & Urban Affairs (CPWD).
2. The Project is located at **Latitude:** 28°37'31.75"N; **Longitude:** 77°12'17.02"E.

3. Area Details:

The total site area is 41,535.970 sqm out of which 15,449.970 sqm is for future development and 26,086 sqm is for proposed phase-I. The Proposed Total Built-up Area is 1, 23,146.321 sqm. At present, 243 no. of flats exist at site in 16 Towers having built up area of 16,908.00 m² which are to be completely demolished. Total FAR area (Phase I) of the proposed project is 68871.599 sqm. The Proposed Non FAR Area (phase-I) is 27504.454 sqm. The proposed Total Basement Area (02 Levels) is 26,770.268 sqm. The Proposed Ground Coverage is 4202.996 sqm. The total no. of floors will be 2B+S+23+Refuge Floor. The total no of expected population is 2468 persons. The Max. Height of the building is 92 m.

4. Water Details:

During Construction Phase, Total water requirement will be 30 KLD out of which 20 KLD portable water and 10 KLD for construction activities (which will be taken from treated water from STP).

(Handwritten signatures and initials)

B. After due deliberations, the SEAC in its 113th Meeting held on 29.08.2022 recommended as follows:

The committee deferred the proposal for further consideration in next SEAC Meeting due to paucity of time.

Meeting ended with thanks to the chair.



(Vijay Garg)
Chairman



(Pankaj Kapil)
Member Secretary



(Surinder Kumar Juneja)
Member



Chetan Agarwal
Member



(Gopal Mohan)
Member



(Jyoti Mendiratta)
Member



(Paromita Roy)
Member



(Ankit Srivastava)
Member



(Ashish Gupta)
Member