

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

Minutes of the 134th Meeting of State Level Expert Appraisal Committee (SEAC) held on 14.09.2023 at 10:30 AM in the Conference Room of DPCC at 5th Floor, ISBT Building, Kashmere Gate, Delhi 110006.

The 134th Meeting of State Level Expert Appraisal Committee (SEAC) was held on 14.09.2023 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. Ms. Jyoti Mendiratta | - | Member |
| 3. Sh. Ashish Gupta | - | Member |
| 4. Sh. Gopal Mohan | - | Member |
| 5. Dr. Sumit Kumar Gautam | - | Member |
| 6. Ms. Paromita Roy | - | Member |
| 7. Sh. Ankit Srivastava | - | Member |
| 8. Sh. Chetan Agarwal | - | Member |
| 9. Sh. Pankaj Kapil | - | Member Secretary |

Following SEAC Members could not attend the Meeting:

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

The DPCC Officials namely Sh. Amit Chaudhary (EE) Sh. S.K. Goyal (EE) , Sh. Manish Awasthi (JEE), Sh. Rohit Kumar Meena, (JEE) assisted the Committee.

The Minutes of the 133rd SEAC Meeting held on 19.08.2023 were confirmed by the Members.

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Table Agenda: 01 Water Assurance:

The SEIAA in its 70th Meeting held on 31.05.2023 deliberated and decided as follows:

Regarding water assurance letters received from DJB the SEIAA desired that there should be firm assurance regarding supply of fresh water to the project with quantity of fresh water required and quantity of fresh water to be supplied. SEIAA felt that there should be a standard format of water assurance from DJB/water supply agencies. Therefore, SEAC to prescribe the standard format for water assurance in which DJB/Water supply agencies to provide assurance of water to the projects.

During the meeting of SEAC on 26.06.2023, Chairman SEAC desired Sh. Ankit Shrivastava Member, SEAC to devise the suitable format for further consideration.

The matter was deliberated in the SEAC meeting on 31.07.2023 and after the detailed discussion it was decided that the issue will be finalized in the next meeting.

SEAC decided to defer the matter for next meeting.

At Ashish Kumar Singh
Smit Singh Ankit Shrivastava
Sh. Ankit Shrivastava

Agenda No.: 01

Case No. C-457

Name of the Project	EC for Proposed Construction of "Venkateshwar Hospital" at Sector -16, Rohini, Phase - II (Public and Semi-Public facility Area No.4) New Delhi- 110085 by M/s JB Healthcare Pvt Ltd.
Project Proponent	M/s JB Healthcare Pvt Ltd.
Consultant	M/s Perfact Enviro Solutions Pvt. Ltd.
EIA Coordinator present during Meeting	Ms. Akta Chugh Ms. Richa Aggarwal
Representative of PP present during Meeting	Mr. Amit Khullar Mr. Hemant Kumar
Proposal No.	SIA/DL/INFRA2/434793/2023
File No.	DPCC/SEIAA-IV/C-457/DL/2023

A. Details of the Proposed Project are as under:

1. The proposal is for grant of EC for Proposed Construction of "Venkateshwar Hospital" at Sector -16, Rohini, Phase - II (Public and Semi-Public facility Area No.4) New Delhi- 110085 by M/s JB Healthcare Pvt Ltd. and details have been updated as per appraisal.
2. The project is located at **Latitude:** 28°43'54.65"N; **Longitude:** 77° 7'12.04"E.
3. **Area Details:**

The plot area of the project is 8,064 sqm. The proposed total Built-up Area is 61,058.0 sqm. The proposed FAR Area is 26,678.0 sqm. The proposed Non FAR Area is 34,380 sqm. The proposed Ground Coverage is 3196.5 sqm. The proposed basement area is 16189 sqm. The proposed number of basements are 3 nos.. The proposed number of hospital beds is 494 nos. The maximum number of floors will be 3B+G+11. The total no of expected population will be 4294 persons. Max. height of the building will be 45 m.

4. Water Details: (updated as per appraisal)

During Construction Phase, 9 KLD of Fresh water will be required for drinking and domestic purpose and 8 KLD of fresh water will be required from Anti-Smog Guns. 5 KLD treated water will be sourced through nearby STP for construction activities. The quantity of sewage generation will be 8 KLD and the sewage will be treated in mobile STP.

During Operational Phase, Total water requirement of the project will be 548 KLD which will be met by 265 KLD of fresh water from DJB and 283 KLD of treated water from in-house STP. Total waste water generated from the project will be 335 KLD which will be treated in-house STP of 400 KLD capacity. Waste water generated from laundry and medical uses will be 25 KLD which will be treated in in-house ETP of 30 KLD capacity and 23 KLD treated water from ETP will be discharged into STP for further treatment. Treated water from STP will be 301 KLD, out of which 283 KLD will be recycled and reused for Flushing (98 KLD), HVAC Cooling (174 KLD) and Gardening (11 KLD) and 18 KLD will be discharged into sewer.

CA *Sumit* *Ashish* *Com Vaz* *[Signature]* *[Signature]* *[Signature]* ³

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Rainwater storage tank of 300 KLD will be provided in view of high ground water table.

5. Solid Waste Details

During Construction Phase, 29 Kg/Day of municipal solid waste will be generated which will be disposed at solid waste site through authorized vendor.

During the Operation Phase, Total solid waste generated from project will be 792 kg/day. Out of which 475 kg/day will be biodegradable waste and 317 kg/day will be non-biodegradable waste. Bio-medical waste generation will 185 Kg/day which will be given to approved recycler. The biodegradable wastes will be composted in an onsite OWC and will be used as manure. The non-biodegradable will be disposed at designated site through authorized vendors.

6. Power Details

During Operation Phase, Total power requirement will 3750 kVA which will be met from Tata Power Delhi Distribution Limited (TPDDL). For power back up, Hybrid Generator sets of Capacity 5020 KVA [2x1010 kVA + 2x1500 kVA] will be used. Solar photovoltaic power panels of 300 kWp capacity will be provided.

Solar photovoltaic power panels of 300 kWp capacity will be provided.

7. **Parking Facility Details, Total Proposed Parking will be 535 ECS.**

8. **Eco-Sensitive Areas Details:** Distance of Okhla Wildlife Sanctuary from project site is 24.80 Km and from Asola Wildlife Sanctuary is 27.32 Km.

9. **Plantation Details:** The proposed Green Area is 2171.9 sqm (30.40% of plot area). Out of which soft scape area is 1210.0 sqm (15.0 % of plot area) and hardscape area is 961 sqm (11.9 % of plot area). Total number of proposed trees will be 101 nos. Currently, no tree exists at site.

10. Cost Details: Total Cost of the project is Rs 238.72 crores.

After due deliberations, the SEAC in its 132nd Meeting held on 31.07.2023, 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 29.08.2023 vide letter dated 29.08.2023 which is as follows;

S.No.	Information Sought by SEAC during SEAC Meeting dated 31.07.2023	Reply dated 29.08.2023 submitted on 29.08.2023
1.	Status of Building Plan approval from DDA, DUAC and Delhi Fire Service.	<p>PP has informed that application for building plan approval has been submitted to the DDA and Fire NOC will be granted after the grant of Building plan & DUAC permission.</p> <p>PP has attached acknowledgement slip of submission of application for building plan approval to DDA as annexure.</p>
2.	Aspect related to dewatering needs to be explained/ elaborated in view of higher ground water table and construction of 3 basements and a proposal for proper management of dewatered ground water to be	<p>PP has informed that 3 basement will be constructed at the project site & the water table is very high so dewatering will be there.</p> <p>PP has attached dewatering report as</p>

proposal for proper management of
dewatered ground water to be PP has attached dewatering report as


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	submitted. A report in this regard is required to be prepared and submitted.	annexure.
3.	In view of high ground water table, PP is required to review RWH proposal with adequate provision of rainwater harvesting tanks with a capacity of minimum 1 day of fresh water requirement.	PP has informed that rainwater storage tank of 300 KLD will be installed. PP has attached detailed rain water harvesting proposal and plan Showing Rainwater collection tank as annexure.
4.	Assurance for supply of treated water 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.	PP has informed that construction water will be met by STP Treated water of Rithala STP. STP treated water assurance has been issued by Delhi Jal Board vide letter no. DJB/EE/(SDW) XII 23 - 24/1015 dated 01.08.2023. PP has attached the same as annexure.
5.	Proposal to discharge of ETP treated water into onsite STP instead of discharging into sewer lines with proper treatment.	PP has informed that ETP treated water will be treated in STP, treated water will go to STP media then further it will undergo the process of tertiary treatment & ultrafiltration. Treated water will be reused for flushing, cooling & gardening and there will be excess treated water. PP has attached ETP cum STP scheme along with a schematic diagram as annexure.
6.	Revised landscape plan with demarcated green area with soft green area & revised tree count for proposed plantation. Green area should be demarcated as per building bye laws and minimum consolidated area of 15 % of plot area should be kept as soft green area. Further, wherever tree plantation being done/ proposed, tree-pit size of 6' x 6' / tree to be adopted as permeable surface of the tree.	PP has informed that 816 sqm green area will be provided. PP has attached revised landscape plan as annexure.
7.	Revised water assurance from DDA with due confirmation of the provision of peripheral water supply scheme of command area for operational phase.	PP has informed that revised water assurance for operation phase has been obtained from DDA vide letter No.F9(1680)/2023/WC/CAU/DDA/3602 dated 22.08.2023 for 265 KLD. PP has attached the same as annexure.

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8.	Revised proposal to enhance the solar power utilization up to 10 % of the total power load.	<p>PP has informed that total terrace area will be 3196.5 sqm which is already covered with services & solar panels. Therefore, they will provide 8% (611 no. of panels with load of 500 W each) of the total power load through renewable resources i.e 300 KW. They will not be able to enhance the solar power utilization further.</p> <p>PP has attached terrace plan showing location of solar panels as annexure.</p>																					
9.	Parking proposal to achieve 30 % of the ECS for electric vehicle. In addition, provision should be made to allow extension of electric charging facility to all parking slots in the future.	PP has informed that they will provide the provision of 30 % of the ECS for electric vehicles and also provision will be made to allow the extension of electric charging facility to all parking slots in the future.																					
10.	Specify name and numbers of the post to be engaged by the proponent for implementation and monitoring of environmental parameters.	<p>PP has attached Environmental Management Cell details which are as follows:</p> <table border="1"> <thead> <tr> <th>S.No.</th><th>Name</th><th>No. of Persons</th></tr> </thead> <tbody> <tr> <td>1.</td><td>Environment Officer</td><td>01</td></tr> <tr> <td>2.</td><td>Maintenance Person</td><td>01</td></tr> <tr> <td>3.</td><td>Air Management Person</td><td>01</td></tr> <tr> <td>4.</td><td>Waste water Management Person</td><td>01</td></tr> <tr> <td>5.</td><td>Waste Management Person</td><td>01</td></tr> <tr> <td>6.</td><td>EHS Engineer</td><td>01</td></tr> </tbody> </table>	S.No.	Name	No. of Persons	1.	Environment Officer	01	2.	Maintenance Person	01	3.	Air Management Person	01	4.	Waste water Management Person	01	5.	Waste Management Person	01	6.	EHS Engineer	01
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3.	Air Management Person	01																					
4.	Waste water Management Person	01																					
5.	Waste Management Person	01																					
6.	EHS Engineer	01																					
11.	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 they will provide toxic gas (Combustible gas, Carbon dioxide and Hydrogen sulphide, Methane, VOCs, Ammonia) detectors for STP area.																					
12.	Submission of information wrt heat island effect with due indication of rise in temperature after operationalizing the building and its remedial measures proposed to be taken.	<p>PP has informed that temperature difference of 1°C to 2°C is created by adopting urban heat island mitigation strategies.</p> <p>PP has attached urban heat island effect study having proposed mitigation measures</p>																					


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		as annexure.
13.	Air pollution abatement plan and energy conservation measures will be reviewed in next meeting in view of revision in the proposal being sought.	PP has attached air pollution abatement plan along with energy conservation measure as annexure.
14.	Revised traffic plan as per requirement of checklist.	PP has attached letter issued by Unified Traffic and Transportation Infrastructure (Planning & Engineering) Centre (UTTIPEC) vide letter no. F1 (Misc). UTTIPEC/2019/DDA/Vol-I/D-130 dated 04.08.2023 as annexure. PP has also attached detailed traffic report and revised traffic plan as annexure.

In the presentation on 14.09.2023, the PP provided the revised water mass balance in view of fresh water assurance for 265 KLD obtained from DDA vide letter dated 22.08.2023, discharge of ETP treated water into onsite STP for treatment.

B. After due deliberations, the SEAC in its 134th meeting held on 14.09.2023 recommended as follows:

Based on the information furnished, documents shown & submitted, presentation made by the project proponent SEAC sought the following information:

1. Revised landscape plan with correctly demarcated soft green area. Green area should be demarcated as per building bye laws and minimum consolidated area of 10 % of plot area should be kept as soft/ pervious area. Further, wherever tree plantation being done/ proposed, tree-pit size of 6' x 6' / tree to be adopted as permeable surface of the tree. The 10% green area to be provided must be fully permeable soft green (without any concrete subgrade) with appropriate plants for filtration of run-off before percolation. Slopes of the site should be appropriate to direct run-off into the soft permeable green areas.
2. Revised report for ground water dewatering as the report submitted by the project proponent not found satisfactory in view of mismatch of data, incorrect cross detail etc. provided in the report.
3. Revised calculation for solar power utilization.
4. Revised report for urban heat island effect indicating the net increase in heat due to proposed development taking into account zero development at the plot as baseline scenario.
5. Revised air pollution abatement plan taking into account the more realistic vehicular movement, emission data and emission factors.
6. Revised STP+ETP details as calculations presented during the meeting were full of contradictions.
7. Revised traffic plan with better accessibility along with following

CA Sumit Ashish Ambekar

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- i. Existing vehicular median cut in Dr. KN Katzu Marg is to be aligned with the entry of the Hospital for easy access of ambulances, etc. from the southern side of the road.
- ii. New at-grade pedestrian crossing to be provided by concerned road owning agency to facilitate safe crossing of pedestrians approaching the hospital from District Centre side; PP to coordinate and ensure the same.

8) Revised plan / mechanism on how to make treated water of STP fit for construction based on actual data.

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Parvatha

15/9/2023

Agenda No.: 02

Case No. C-449

Name of the Project	EC for Proposed Expansion of Delhi Transporters Co-operative Group Housing Society Ltd. at Plot No. 02, Sector 02, Dwarka, New Delhi by M/s The Delhi Transporters CGHS Ltd.
Project Proponent	The Delhi Transporters CGHS Ltd.
Consultant	M/s IND TECH HOUSE CONSULT
EIA Coordinator present during Meeting	-
Representative of PP present during Meeting	Sh. Mahesh Chand Pandey, Secretary
Proposal No.	SIA/DL/INFRA2/441809/2023
File No.	DPCC/SEIAA-IV/C-458/DL/2023

A. Details of the Proposed Project are as under:

1. The Proposal is for grant of EC for Proposed Expansion of Delhi Transporters Co-operative Group Housing Society Ltd. at Plot No. 02, Sector 02, Dwarka, New Delhi by M/s The Delhi Transporters CGHS Ltd.

As mentioned in Form 1, Conceptual plan, construction of the project was completed before EIA notification 2006 and the completion was applied on 10.07.2006 before release of EIA notification dated 14.09.2006. The proposed expansion includes only the addition of one room in each flat with balcony and a public toilet to the existing operational project and hence, the built-up area will increase from 40387.212 sqm to 48744.85 sqm.

Occupancy Certificate was issued to the existing project vide file no. F.23(18)/00/Bldg./25 on 09.06.2008.

2. The Project is located at **Latitude:** 28°35'47.83" N; **Longitude:** 77°4'9.24" E.

3. **Area Details (after expansion):**

The Plot Area of the project is 15033.364 sqm which will remain same. The proposed Built-up area is 8357.638 sqm. The total Built-up area will increase from 40387.212 sqm to 48744.85 sqm. The FAR area will increase from 26350.744 sqm to 29850.604 sqm. The Non FAR area will increase from 14,036.47 sqm to 18894.246 sqm. The Ground Coverage will increase from 3537.555 sqm to 3808.533 sqm. The maximum number of floors is B+S+10 which will remain same. The existing no. of DUs is 180 nos. which will remain same. The total no of population is 941 persons which will remain same.

4. **Water Details:**

During Construction Phase, 4 KLD of fresh water will be required for domestic purposes. The quantity of sewage generation will be 3.5 KLD and the sewage will dispose

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into CSTP through tankers. Approx. 3 KLD treated water will be sourced through nearby STP for construction activities.

During Operational Phase (after expansion), Total water requirement of the project will be 147 KLD which will be met by 147 KLD of fresh water from DJB. Total waste water generated from the project will be 89 KLD which will be discharge to municipal sewer.

Existing number of Rain Water Harvesting (RWH) Pit is 2 nos .

5. Solid Waste Details

During Construction Phase, about 15 Kg/Day of municipal solid waste will be generated which will be disposed through authorized vendor..

During the Operation Phase (after expansion), Total solid waste generated from project will be 430 kg/day. Out of which 170 kg/day will be Biodegradable waste and 260 kg/day will be Non-Biodegradable waste. The biodegradable waste will be composted in an onsite OWC and will be used as manure for landscaping. The non-biodegradable waste will be disposed through authorized vendors.

6. Power Details

During Operation Phase (after expansion), total power requirement will be 600 kW which is same as being used currently and will be met from BSES. For power back up, DG sets of Capacity 400 KVA will be installed.

Solar photovoltaic power panels of 140 kW capacity already installed at site which will remain same.

7. Parking Facility Details (after expansion): Total proposed parking will be 426 ECS (Surface: 173 ECS, Stilt: 102, Basements: 151 ECS).

8. Eco-Sensitive Areas Details: Distance of Okhla Wildlife Sanctuary from project site is 22.15 km E and from Asola Wildlife Sanctuary is 16.50 km SE.

9. Plantation Details (after expansion): Existing green area at site is 7081.2 sqm (47.1% of the plot area), of which 2441.9 sqm (16.24 % of the plot area) is pervious. Existing no. of trees at site is 350 nos and there will be no tree cutting at site.

10. Cost Details: Total Cost of the project is Rs 32.59 Crores (Existing: 24.23 crore and proposed: 8.36 crores).

B. After due deliberations, the SEAC in its 134th meeting held on 14.09.2023 recommended as follows:

The representation of the project proponent appeared before SEAC and requested to defer the proposal. Accordingly, the SEAC decided to defer the proposal seeking the following additional information:

1. Assurance for supply of treated water 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
2. Rain water harvesting pits should be increased taking into the account the recent higher flash rain data along with actual percolation rate of the soil at site with required provisioning of min. 1 Recharge bore per 5000 sqm of Plot Area along with the

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storage capacity of min. 1 day of total fresh water requirement along with layout and location plan.

3. Revised proposal for organic waste convertor within premises with justification of the capacity proposed.
4. To submit revised capital and recurring cost of EMP during construction and operation phase with inclusion of cost of environmental monitoring.
5. Parking proposal to achieve 30 % of the ECS for electric vehicle. In addition, provision should be made to allow extension of electric charging facility to all parking slots in the future.

CA Ashish Am Varghese Jeyaraj
Smita [Signature] [Signature] [Signature] [Signature]

Agenda 03

Case No C-446

Name of the Project	EC for Proposed MCD Office Building Situated at Plot No. 02, Sector-11, City Centre, Dwarka, New Delhi-110049
Project Proponent	N.K. Jain, Executive Engineer (PR) NGZ, Room No. 207, 2nd Floor, MCD, Zonal Office, Building Near Dhansa Stand, Nazafgarh, New Delhi-110043
EIA Coordinator present during Meeting	Ms. Muzaffar Ahmad
Representatives of PP present during Meeting	Mr. Naveen Jain (EE, MCD) Mr. Vaibhav Gupta
Proposal No.	SIA/DL/INFRA2/422636/2023
File No.	DPCC/SEIAA-IV/C-446/DL/2023

A. Details of the Proposed Project are as under:

1. The Proposal is for grant of EC for Proposed MCD Office Building Situated at Plot No. 02, Sector-11, City Centre, Dwarka, New Delhi-110049 by M/s Municipal Corporation Delhi (MCD), New Delhi and details are updated/ to be read as modified in accordance with the appraisal by SEAC.

2. The Project is located at **Latitude: 28°35'11.317"N; Longitude: 77°3'6.129"E**

3. Area Details:

The total plot area of the project is 9649.20 sqm. The proposed total built-up area (FAR + Non-FAR) is 55146.77 sqm. The proposed FAR Area is 18947 sqm. The proposed Floor Area is 34213.31 sqm. The total basement area is 20933.46 sqm. The proposed Ground Coverage is 2848.15 sqm. The total no. of basements will be 3 nos. The total nos. of floors will be 3B+SF+15. The total no of expected population is ~3763 persons. The maximum height of the building is approx. 69.35 m.

4. Water Details:

During Construction Phase, Total water requirement will be 26.2 KLD out of which potable water requirement will be 4 KLD for labours and treated water requirement will be 22.2 KLD which will be sourced from nearby STP and through mobile STP at site for flushing and activities related to construction. Around 6.4 KLD of waste water will be generated which will be treated in mobile STP of 8 KLD capacity.

During Operational Phase, after taking conservation measures, total water requirement of the project will be 146 KLD which will be met by 59 KLD of fresh water from DJB and 87 KLD of treated water to be met from in house STP. Total Waste water generated will be 97 KLD which will be treated in STP of 116 KLD capacity proposed to be installed. Treated Water from in house STP will be 87 KLD which will be recycled and reused for Flushing (50 KLD), Horticulture (7 KLD), HVAC (30 KLD).

Number of Rain Water Harvesting (RWH) Pits proposed are 4 nos.

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5. Solid Waste Details

During Construction Phase, Solid waste generation will be approx. 24 kg/day comprising of 9.9 kg/day bio-degradable waste and 14.1 kg/day non-biodegradable waste which will be managed as per the Solid Waste Management Rule 2016.

During the Operation Phase, Total ~1060.5 kg/day of Solid Waste will be generated from the project. Out of which, Bio-Degradable Waste generated will be ~424.2 kg/day which will be treated in OWC and Non-Biodegradable Waste generated will be ~636.3 kg/day which will be disposed through govt. approved agency/recyclers. E-Waste generated from the project will be 1 kg/day.

6. Power Details

During Operation Phase, Total power requirement will be 2432 kW which will be supplied by BSES Rajdhani. For power back up, 2 x 750 kVA GG Sets will be installed. Solar power panel of 245 KWp will be used as renewal source of energy.

7. Parking Facility Details: Total proposed car parking is 457 and total proposed two wheeler parking is 270. Out of which EV charging station will be provided for 141 car parking and 75 car parking.

8. Eco-Sensitive Arcas Details: Distance of Okhla Wildlife Sanctuary from project site is approx. 27 km ESE and from Asola Wildlife Sanctuary is approx. 23 Km SE.

9. Plantation Details: The proposed Green Area is 2891.37 Sqm. Out of which pervious green will be 1451.12 sqm. Total no. of trees proposed is 121 nos. One tree existing at present will be preserved and kikar plantation/ seasonal bushes will be removed.

10. Cost Details: Total Cost of the project is Rs. 358.32 crores.

The earlier Proposal No. SIA/DL/INFRA2/408287/2022 was considered by SEAC in its 123rd Meeting held on 01.02.2023 in which it was recommended that proposal be delisted/rejected for re-submission of the revised application in consonance with plan approved by MCD. Subsequently SEIAA approved the recommendation of SEAC in Meeting dated 10.03.2023 and SEIAA decided to delist the proposal in view of the recommendations of SEAC made on 01.02.2023.

The PP has submitted the DJB letter dated 11.11.2022 stating that the DJB will give permission for new water connection as per availability of water, feasibility, after deposition of IFC by MCD and as per DJB norms/ policy.

After due deliberations, the SEAC in its 127th meeting held on 03.05.2023 recommended as follows:

Based on the information furnished, documents shown & submitted, presentation made by the project proponent SEAC felt compelled to revert back the matter to the project proponent in view of presentation made by the consultant with fact and figures related to proposed built-up area (FAR and Non FAR) and STP capacity/ waste water found at variance and the consultant acknowledged his mistake and desired to resubmit the fresh Form-I/IA with reconciled figures. The SEAC asked the PP to include the checklist framed by it for measurable environmental indicators while submitting the response at PARIVESH Portal.

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In reference to the ADS raised by SEAC in its 127th meeting held on 03.05.2023, PP submitted its reply vide letter dated 16.06.2023 uploaded on 21.06.2023 resubmitting fresh Form-I, Form I-A, Conceptual Plan.

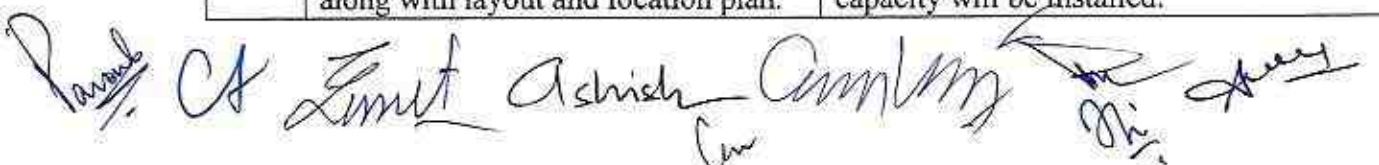
After due deliberations, the SEAC in its 130th Meeting held on 26.06.2023, based on the information furnished, documents shown & submitted, presentation made by the project proponent recommended to seek the additional information which has been responded back by the project proponent on 31.07.2023 vide letter dated 21.07.2023 which is as follows:

S.No.	Information Sought by SEAC during SEAC Meeting dated 26.06.2023	Reply dated 21.07.2023 submitted on 31.07.2023																		
1.	Assurance for supply of Treated water during Construction Phase. PP is required to clarify the arrangement for reusing the aforesaid treated water along with the treatment mechanism proposed for making this water fit for use in construction.	PP has attached assurance letter dated 25/02/2023 from Delhi Jal Board regarding supply of treated effluent water @ Rs 7.0/KL. PP has informed that water treatment plant will used for making treated water fit for use in construction.																		
2.	PP is required to identify the location/ nearby green area/ water body in which the excess treated water can be discharged through fixed pipeline suitably.	PP has informed that the treated water generated at the site during operation phase by the in-house STP will be used within the campus only and treated water not to be discharged from the campus.																		
3.	Revised landscape plan with revision in pervious area planning with revised area statement.	PP has attached revised landscape plan with revised area statement which is as follows: <table><tr><th>S.No.</th><th>Description</th><th>Area (sqm)</th></tr><tr><td>1.</td><td>Pervious Green (1m wide + Front green)</td><td>965.18</td></tr><tr><td></td><td>1 m wide Green</td><td>370.68</td></tr><tr><td></td><td>Front</td><td>594.5</td></tr><tr><td>2.</td><td>Grass paver on soil (971 sqm @ 50% perforation)</td><td>485.94</td></tr><tr><td>3.</td><td>Total</td><td>1451.12</td></tr></table>	S.No.	Description	Area (sqm)	1.	Pervious Green (1m wide + Front green)	965.18		1 m wide Green	370.68		Front	594.5	2.	Grass paver on soil (971 sqm @ 50% perforation)	485.94	3.	Total	1451.12
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4.	Revised schematic diagram of STP along with its technical feasibility report to achieve the desired treatment along with justification of technology selection.	PP has attached revised schematic diagram of STP.																		
5.	Plan for utilizing the compost generated from organic waste	PP has informed that total solid waste generation will be 1060.5 kg/day, out of																		

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	convertor (OWC).	which 424.2 kg/day will be biodegradable waste which will be treated in 450 kg capacity of OWC. PP informed that manure generated from the OWC will be 141 kg/day which will be used in MCD parks as manures.
6.	Air pollution abatement plan for air pollutants like PM _{2.5} , PM ₁₀ , SO _x , NO _x during operation phase of the project taking into account point and non-point sources.	PP has attached air pollution abatement plan.
7.	Specific details of the excavated earth utilization.	PP has informed that earth excavated from the site will be utilized at MCD parks. PP has attached letter dated 06.03.2023 issued from MCD having list of the MCD parks which will be used for disposal of excavated earth.
8.	An undertaking to the effect that there is no tree at project site.	PP has attached an undertaking mentioning that there is no native tree present at site except the seasonal bushes and kikar plantation towards south west boundary wall which will be removed by MCD with prior permission of Forest deptt. and the one tree which is present at front boundary wall will be preserved during construction and operational phase.
9.	The parking provision within the project must include visitor parking as well as pick-up/ drop-off facilities for IPT i.e auto-rickshaws, e-rickshaws, taxis, etc. Short time waiting area for such IPT modes shall also be demarcated at ground level. No spillover should take place on public roads.	PP has attached parking provisions along with plan. Total No. of Parking proposed: 572 cars and 222 two-wheelers. EV parking proposed: 172 nos. (30 % of the car parking proposed)
10.	Parking shall include spaces demarcated for all modes based on MPD-2021 provisions.	PP has attached parking provisions along with plan.
11.	Pedestrian entry shall be provided from both road side and park side and same shall be kept open for public at all times, during operational hours of the building.	PP has informed that pedestrian entry from road side and park side will be kept open for public during operational hours of the building.
12.	Provision of rain water storage tank with the storage capacity of min. 1 day of total fresh water requirement along with layout and location plan.	PP has informed that the rain water collection tank of 450 KL capacity and Rain water harvesting pit of 366 KL capacity will be installed.



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		PP has attached location plan of the rainwater collection tank and RWH pit.																		
13.	Parking proposal to achieve 30 % of the ECS (572) for electric vehicle. In addition, provision should be made to allow extension of electric charging facility to all parking slots in the future.	<p>PP has informed that provision of EV charging points for 172 nos. (30% of the 572 ECS parking) will be provided for electric vehicle.</p> <p>PP has attached Parking Plan showing the EV parking proposed.</p>																		
14.	Written submissions specifying name and numbers of the post to be engaged by the proponent for implementation and monitoring of environmental parameters as shown in the presentation.	<p>PP has attached Environmental Management Cell details which are as follows:</p> <table border="1"> <thead> <tr> <th>S.No.</th><th>Designation</th><th></th></tr> </thead> <tbody> <tr> <td>1.</td><td>Project Director</td><td>Superintending Engineer.</td></tr> <tr> <td>2.</td><td>Manager Environment</td><td>Person having M.Tech/ M.SC</td></tr> <tr> <td>3.</td><td>Monitoring cell-incharge.</td><td>Asst. Engineer.</td></tr> <tr> <td>4.</td><td>Compliance in-charge</td><td>Junior Engineer</td></tr> <tr> <td>5.</td><td>Horticulture in-charge</td><td>Horticulturalist/ Landscape Architect</td></tr> </tbody> </table>	S.No.	Designation		1.	Project Director	Superintending Engineer.	2.	Manager Environment	Person having M.Tech/ M.SC	3.	Monitoring cell-incharge.	Asst. Engineer.	4.	Compliance in-charge	Junior Engineer	5.	Horticulture in-charge	Horticulturalist/ Landscape Architect
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15.	Revised EMP (Environment Management Plan) for dust mitigation measures during construction as per MoEF 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 Directions issued time to time including registration on Dust Pollution Control Self-Assessment Portal with provision of video fencing and sensors for monitoring PM 2.5, PM 10, with proposals to deploy minimum 04 numbers of Anti-smog Guns.	PP has attached details about the Anti-smog guns to be installed at the project.																		
16.	Revised EMP cost if required, envisaging the issues raised during appraisal.	PP has attached revised EMP with inclusion of cost environmental monitoring during construction and operation phase																		


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		taking into account the modification as per appraisal done which is as follows:		
		Phase	Capital Cost	Recurring Cost
		Construction Phase	84.7 Lakhs	-
		Operation Phase	218.25 Lakhs	51.15 Lakhs

After due deliberations, the SEAC in its 133rd Meeting held on 19.08.2023, 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 11.09.2023 vide letter dated 05.09.2023 which is as follows:

S.No.	Information Sought by SEAC during SEAC Meeting dated 19.08.2023	Reply dated 05.09.2023 submitted on 11.09.2023
1.	Revised plan for parking in all three basements and revised proposal for 30 % provisioning of EV.	PP has informed that total proposed car parking is 457 and total proposed two wheeler parking is 270. PP has also informed that EV charging station will be provided for 141 car parking and 75 car parking. PP has attached revised calculation for parking in all three basements and revised proposal for 30 % provisioning of EV.
2.	Revised EMP for dust mitigation measures during construction with clear actionable points for control of dust.	PP has attached Revised EMP for dust mitigation measures during construction phase.
3.	List of existing trees with name of species in categorical manner.	PP has informed that there are 28 kikar at the project site of which 1 kikar will be saved and 27 will be cut.

B. After due deliberations, the SEAC in its 134th meeting held on 14.09.2023 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:

1. 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.

[Handwritten signatures and initials: P, CA, Limit, Ashish, Am, V, J, S, Dh]

2. The project proponent shall adhere to the total water requirement – 146 KLD, Fresh water requirement – 59 KLD, Treated water requirement – 87 KLD (for recycling in Flushing – 50 KLD, Horticulture 7 KLD, HVAC – 30 KLD).
3. The treated waste water through STP shall achieve the effluent standards: pH (5.5-9.0), BOD (10 mg/l), COD (50 mg/l), Nitrogen Total (10 mg/l), TSS (20 mg/l), Oil and Grease (10 mg/l), Dissolved Phosphate as P (1 mg/l), Ammonical Nitrogen < 5mg/l, Fecal Coliform (MPN/100 ml) – Desirable 100 permissible 230.
4. The project proponent should adhere to the Cost of Environmental Monitoring as committed i.e. capital cost of Rs. 84.7 Lacs and recurring cost of Rs. 18.15 Lacs/ year during construction phase and capital cost of Rs. 218.25 Lacs and recurring cost of Rs. 51.15 Lacs/ year during operation phase.
5. At least 10 % of the total power load to be sourced from Solar (Renewable) energy as committed.
6. No. of Rain water harvesting pit shall be 4 nos. and storage tank of capacity of min. 1 day of total fresh water requirement. 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 5 m above ground water table.
7. Bills/Receipt issued by DJB against purchase of treated water from STP should be part of six monthly EC compliance report. Bills issued by private agency for supply water will not be sufficient.
8. During construction phase, only drinking water required by the labourers and the other fresh water requirement for Anti-Smog Gun is allowed to be supplied through tankers
9. PP shall install gas based generator as committed.
10. The Environment Management Cell under Superintending Engineer consisting of Manager Environment, Asst. Engineer, Junior Engineer, Horticulturalist/ Landscape Architect having specific knowledge and experience related to environmental safeguards/ air/ water pollution shall be created and made functional before commissioning of the proposed development.
11. Minimum 1 tree for every 80 Sq. Mt of plot area (121 nos.) should be planted within the project site.
12. PP to provide minimum 30% of total car parking requirement with electric charging facility by providing charging points at suitable places as committed. PP to ensure that this should be provided in AC/DC combination. In addition, provision should be made to allow extension of electric charging facility to all parking slots in the future.
13. 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 outfall/ sewer connection to be provided only for emergency discharge purposes with prior intimation to regulatory authority. 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 collection centre/ 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 and demolition work.
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 sensors for monitoring PM 2.5, PM 10. Atleast 04 Anti-Smog Gun shall be installed before starting the construction.
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 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.
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. 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 hired locally.



25. As proposed, fresh water requirement shall not exceed 59 KLD. Occupancy Certificate shall be issued only after getting necessary permission for required water supply from DJB concerned Authority.
26. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/ reused for flushing, gardening, cooling etc.
27. The PP shall provide toxic gas (Combustible gas, Carbon dioxide and Hydrogen sulphide, Methane, VOCs, Ammonia) detectors for STP area.
28. Energy audit shall be carried out periodically to review energy conservation measures.
29. All sensor/meters based equipments should be calibrated on quarterly basis.
30. Climate responsive design as per Green Building Guidelines in practice should be ensured to the maximum extent.
31. Vegetation should be adopted appropriately on the ground as well as over built structures such as roofs, basements, podiums etc.
32. Green belt development surrounding the campus, avenue tree planting and garden development should commence from the beginning of the construction phase. Only indigenous species should be used for green -belt and avenue trees-
33. Exposed roof area and covered parking should be covered with material having high solar reflective index.
34. Building design should cater to the differently-abled citizens.
35. PP shall keep open space unpaved to the maximum extent possible so as to ensure permeability of water. However, whenever paving is deemed necessary, PP to provide grass pavers of suitable types & strength to increase the water permeable area as well as to allow effective fire tender movement and shall keep atleast 10 % of the plot area as pervious.
36. All the vibrating parts will be checked periodically and serviced to reduce the noise generation and sound producing equipment.
37. Construction activities will be allowed only during day-time period.
38. Lubrication will be carried out periodically for plant machinery.
39. Sensors to measure ground water level/Piezometers certified by CGWB should be installed by the PP immediately. These piezometers should have IoT facility and send data to the server for storage. Weekly data from these piezometer should be submitted along with EC compliance report. Calibration of these sensors should be done once in 6 months. Data of these piezometers should be also be
 - a) Highlighted on PP website with monthly updation.
 - b) Shared with DJB (ground water division) on quarterly basis.
40. Structural safety issues were apprehended by the SEAC during presentation and accordingly the safety aspect of the building shall be looked into by the engineering section of the MCD being the project proponent.

CA

Sumit

Ashish
Sen

Amal

Agenda No: 04

Case No. C-448

Name of the Project	EC for Proposed Expansion of Commercial Complex (IT enabled Services) located at Plot No.34 Rama Road, Najafgarh Industrial area, New Delhi.
Project Proponent	Mr. Abhijit Chakraborty, M/s Mirkana Engineering Pvt Ltd at A2, Udyog Nagar, Industrial area, Peeragarhi Rohtak Road, New Delh
Consultant	Gaurang Environmental Solutions Pvt. Ltd
EIA Coordinator present during Meeting	Mr. Abhishek Gautam Mr. Lokesh
Representatives of PP present during Meeting	Mr. Abhijit Chakraborty Mr. Naresh Rajora
Proposal No.	SIA/DL/INFRA2/428375/2023
File No.	DPCC/SEIAA-IV/C-448/DL/2023

A. Details of the proposed project are as under:

1. The proposal is for grant of EC for proposed Expansion of Commercial Complex (IT enabled Services), at Plot No.34 Rama Road, Najafgarh Industrial area, New Delhi by M/s Mirkana Engineering Pvt Ltd.

The existing project was accorded the environmental clearance by MoEF&CC vide letter no. F.No.21-16/2020-IA-III dated 02.07.2020 for the gross built up area of 31822.17 sq.m including 2 towers and maximum height upto 27.45 m. As of now 25,746.99 sq. m built up area has been constructed at the site having 2 floors only.

2. The Project is located at **Latitude:** 28°39'39.27"N to 28°39'41.58"N; **Longitude:** 77°9'12.24"E to 77°9'10.80"E.

3. Area Details:

The total plot area of the project is 6959.280 sqm (Net plot area is 6694.480 sqm) after expansion it will remain the same. The total Built-up Area of the project will increase from 31822.17 sq.m to 37916.01 sq.m (proposed BUA is 6093.84 sq. m.). The FAR of the project will increase from 15,656.75 sq. m to 20,042.65 sq.m (proposed FAR area is 4385.9 sq. m). and the Non-FAR area will be 17873.36 sq. m. The Ground Coverage will decrease from 3327.64 sq. m. to 2949.12 sq. m. The basement area is 13,615.05 sqm. The no. of tower will remain same i.e. 2 nos (Adobe Block & Mirkana Block) and no. of floors will increase from 3B + S + G + 5F to 3B + S + G + 7F. The Population will increase from 1766 to 2255. The maximum height of the building will increase from 27.45 m to 34.9 m.

[Handwritten signatures and initials: P. Anand, A. Zait, Achish, Aming, Sh. 21]

4. **Water Details:**

During Construction Phase, Total water requirement will be 24.5 KLD out of which potable water requirement will be 12 KLD and 12.5 KLD will be required for activities related to construction which will be met from tankers.

During Operational Phase (existing), Total water requirement of the project will 81 KLD which will be met by 43 KLD of fresh water from Delhi Jal Board and 38 KLD of treated water from in house STP. Total waste water generated will be 69 KLD which will be treated in STP of 2 X 40 KLD capacity. Treated water from STP will be 62 KLD will be recycled and reused for Flushing (34 KLD), Gardening (4 KLD). Excess treated water (24 KLD) will be given to nearby construction sites and roadside green areas. Number of Rain Water Harvesting (RWH) pits is 2 nos.

During Operational Phase (after expansion), Total water requirement of the project will be 103 KLD which will be met by 55 KLD of fresh water from Delhi Jal Board and 48 KLD of treated water from in house STP. Total waste water generated will be 88 KLD which will be treated in house STP of 100 KLD (2 X 50 KLD) capacity. Treated water from STP will be 79 KLD which will be recycled and reused for flushing (44 KLD), landscaping (4 KLD). Excess treated water (31 KLD) will be supplied to open drain. Number of Rain Water Harvesting (RWH) Pits will remain same i.e. 2 nos.

5. **Solid Waste Details**

During the Operation Phase (after Expansion), Total solid waste generation from the project will increase from 435 kg/ day to 560 kg/day which will consist of 224 kg/day bio degradable waste and the same will be sent to organic waste converter of capacity 250 kg/day. 12.9 kg/ day STP Sludge will be generated.

6. **Power Details:**

During Operation Phase (after Expansion), Total demand load will be 3858.87 kW (1924.58 kW for Adobe Block and 1934.29 kW for Mirkana Block) which will be supplied from TATA Power Limited. For Power Back up, DG set of capacity 2320 kVA (1x1250 kVA, 1x750 kVA and 1x320 kVA) will be installed. Solar PV of 150 kWP will be installed.

7. **Parking Facility Details:**

Total proposed parking will increase from 316 ECS to 448 ECS.

8. **Eco-Sensitive Areas Details:** Distance of Okhla Wildlife Sanctuary from project site is 18.5 km SE and from Asola Wildlife Sanctuary is 21 km SSE..

9. **Plantation Details:** The green area will remain unchanged. Total number of trees proposed is 85 numbers. The project involves the vertical expansion only thus, no cutting and transplantation of trees envisaged at the site.

10. **Cost Details:** The project cost will increase from 125.12 crore to 141.07 crore.






Comparative table for silent features of the project:

	As per previous EC	Proposed	Total
Total Plot area	6959.280 sq. m	No change	6959.280 sq.m
Road Widening	--	--	264.88 sq.m.

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Net Plot area	--	--	6694.480 sq.m.
Gross Built up area	31822.17 sq.m	6093.84 sq. m.	37916.01 sq.m
No. of Towers	2 nos. Adobe Block Mirkana Block	No change	2 nos. Adobe Block Mirkana Block
No. of Floors	--	2 floors	3 B + S + G + 7 Floors
Height of Building up to terrace	27.45 m	Increase by 7.45 m	34.9 m
Project facilities	IT Offices	IT Offices	IT Offices
Power Requirement	3354.92 kVA (TPDDL)	Increase	Connected Load : 5128.31 KW Demand Load : 3858.87 KW
Power backup	--	DG set: 1250 kVA (1 no.) 750 kVA (1 no.) 320 kVA (1 no.)	DG set: 1250 kVA (1 no.) 750 kVA (1 no.) 320 kVA (1no.)
Water Requirement	81 KLD	22 KLD	103 KLD
Fresh water	43 KLD	12 KLD	55 KLD
Recycled water	38 KLD	10 KLD	48 KLD
Source	DJB Supply	DJB Supply	DJB Supply
Waste water generation	69 KLD	19 KLD	88 KLD
Treated water for reuse	62 KLD	17 KLD	79 KLD
Flushing:	34 KLD	10 KLD	44 KLD
Gardening:	4 KLD	0 KLD	4 KLD
Nearby			
Excess treated water	24 KLD	7 KLD	31 KLD
STP Nos.	2 nos. 40 KLD each	To be enhanced	100 KLD (50+50 KLD)
Capacity			
Proposed parking	316 ECS	132 ECS	448 ECS
Solid waste	435 Kg/day	125 kg/day	560 kg/day
Rain water Harvesting	2 nos.	No change	2 nos.
Project cost	Rs.125.12 Crores	Rs. 15.95 Crores	Rs. 141.07 Crores

The PP has submitted the certified compliance report of previous Environment Clearance from the Regional Office of MoEF&CC issued vide Letter dated 23.02.2023. As per the aforesaid Compliance Report most of the EC conditions have been reported to be complied/ agreed for compliance or being complied except the following:

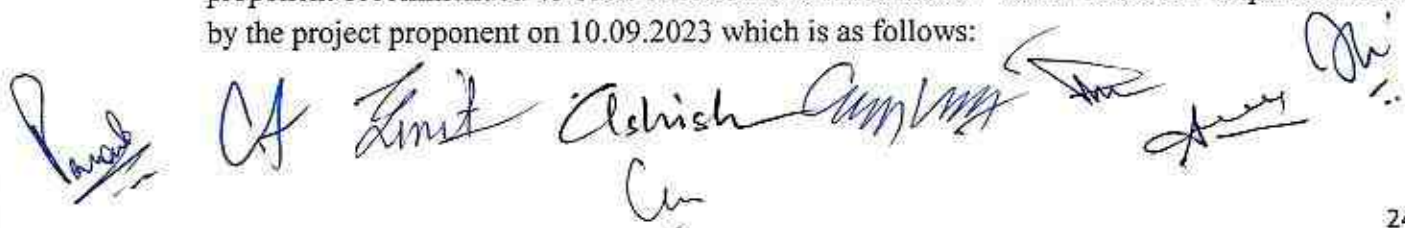
1. *The company shall draw up and implement corporate social responsibility Plan as per the Company's Act of 2013.*
2. *The quantity of fresh water usage, water recycling and rain water harvesting shall be measures and recorded to monitor the water balance as projected by the project proponent.*
3. *Occupational health surveillance of the workers shall be done on a regular basis.*
4. *The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.*
5. *The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.*
6. *The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.*

After due deliberations, the SEAC in its 129th meeting held on 14.06.2023 recommended as follows:

Before proceeding for appraisal of the expansion proposed the project proponent is required to submit the action taken report on the non-compliances reported in certified compliance report of Regional office of MoEF&CC, GOI.

In its response, PP uploaded its reply on 08.08.2023 and submitted action taken report on the non-compliances reported in certified compliance report dated 23.02.2023 of Regional office of MoEF&CC, GOI. During the deliberation the project proponent confirmed that the reply has been forwarded to Regional Office of MoEF&CC, GoI on 17.08.2023. The PP was instructed to upload the six monthly compliance report on PARIVESH Portal for which the PP informed that they are in the process to resolve the software issue at Parivesh Portal.

After due deliberations, the SEAC in its 133rd Meeting held on 19.08.2023, 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 10.09.2023 which is as follows:



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S.No.	Information Sought by SEAC during SEAC Meeting dated 19.08.2023	Reply submitted on 10.09.2023																
1.	Assurance for supply of Treated water 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.	<p>PP has informed that project is a prefabricated construction and water requirement for construction is very low. PP also informed that water supply during the construction phase will be met through STP treated tanker water supply.</p> <p>PP has informed that treated water will be analysed to the standards as per IS 456:2000. STP water will be treated in RO thereby making it fit for construction purposes.</p>																
2.	Copy of letter issued by DJB for infrastructure charges to be paid for water supply.	PP has attached copy of letter dated 23.05.2023 issued by DJB for submission of infrastructure fund charges for water i.e. Rs. 3,32,86,362/- and for sewer i.e. Rs. 1,99,72,921/- as annexure.																
3.	Water requirement for Anti-Smog Gun needs to be accounted for in fresh water requirement during construction phase.	<p>PP has attached water requirement during Construction Phase considering the deployment of Anti-smog guns which are as follows:</p> <table border="1"> <thead> <tr> <th>Particulars</th><th>Water requirement</th><th>Source</th></tr> </thead> <tbody> <tr> <td>Drinking Water</td><td>2.0 KLD</td><td rowspan="2">Fresh water supplied through tanker</td></tr> <tr> <td>Anti-smog gun (4 nos.)</td><td>10 KLD</td></tr> <tr> <td>Flushing water</td><td>3.5 KLD</td><td rowspan="2">DJB STP treated water</td></tr> <tr> <td>Construction activities</td><td>9.0 KLD</td></tr> <tr> <td>Total</td><td>24.5 KLD</td><td></td></tr> </tbody> </table>	Particulars	Water requirement	Source	Drinking Water	2.0 KLD	Fresh water supplied through tanker	Anti-smog gun (4 nos.)	10 KLD	Flushing water	3.5 KLD	DJB STP treated water	Construction activities	9.0 KLD	Total	24.5 KLD	
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4.	To identify the location/ nearby green area/ water body in which the excess treated water shall be discharged.	<p>PP has informed that the excessive treated water from STP will be supplied to Delhi Parks and Gardens Society for plantation purpose (DDA Park – Moti Nagar: distance: 0.44 kms towards NE).</p> <p>PP has attached plan showing the location of the park with coordinates as annexure.</p>																

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5.	Status of power supply assurance from TPDDL/ BSES for the increased load.	PP has informed that the total power requirement for the project is 3858.87 KW and all the infrastructural work related to electricity supply has been completed by Tata Power Delhi Distribution Ltd. (TPDDL). Energization work of the HT connection will be carried out by TPDDL once the construction activities are completed.																					
6.	Specify name and numbers of the post to be engaged by the proponent for implementation and monitoring of environmental parameters.	<p>PP has attached Environmental Management Cell details which are as follows:</p> <table border="1"> <thead> <tr> <th>S.No.</th><th>Name</th><th>No. of Persons</th></tr> </thead> <tbody> <tr> <td>1.</td><td>Environment Officer</td><td>01</td></tr> <tr> <td>2.</td><td>Maintenance In-charge</td><td>02</td></tr> <tr> <td>3.</td><td>STP Monitoring Persons</td><td>02</td></tr> <tr> <td>4.</td><td>RWH Monitoring Persons</td><td>01</td></tr> <tr> <td>5.</td><td>Solid waste collection & disposal monitoring person</td><td>02</td></tr> <tr> <td colspan="2">Total</td><td>08</td></tr> </tbody> </table>	S.No.	Name	No. of Persons	1.	Environment Officer	01	2.	Maintenance In-charge	02	3.	STP Monitoring Persons	02	4.	RWH Monitoring Persons	01	5.	Solid waste collection & disposal monitoring person	02	Total		08
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7.	Revised EMP (Environment Management Plan) for dust mitigation measures during construction as per MoEF 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 Directions issued time to time including registration on Dust Pollution Control Self-Assessment Portal with provision of video fencing and sensors for monitoring PM 2.5, PM 10.	<p>PP has attached Revised EMP (Environment Management Plan) including the dust mitigation measures to be taken during construction phase.</p> <p>PP has attached an undertaking regarding the same as annexure.</p>																					
8.	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 they will provide toxic gas (Combustible gas, Carbon dioxide and Hydrogen sulphide, Methane, VOCs, Ammonia) detectors for STP area.																					

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9.	To submit Capital and Recurring cost of EMP during construction and operation phase with inclusion of cost of environmental monitoring and also taking into account the modification as per appraisal done.	PP has attached EMP with inclusion of cost environmental monitoring during construction and operation phase which is as follows: <table border="1"> <thead> <tr> <th>Phase</th><th>Capital Cost</th><th>Recurring Cost</th></tr> </thead> <tbody> <tr> <td>Construction Phase</td><td>41.5 Lakhs</td><td>10.0 Lakhs</td></tr> <tr> <td>Operation Phase</td><td>345.60 Lakhs</td><td>21.90 Lakhs</td></tr> </tbody> </table>	Phase	Capital Cost	Recurring Cost	Construction Phase	41.5 Lakhs	10.0 Lakhs	Operation Phase	345.60 Lakhs	21.90 Lakhs
Phase	Capital Cost	Recurring Cost									
Construction Phase	41.5 Lakhs	10.0 Lakhs									
Operation Phase	345.60 Lakhs	21.90 Lakhs									
10.	Distance of project site from Okhla Wildlife Sanctuary and from Asola Wildlife Sanctuary.	PP has informed that distance of Okhla Wildlife Sanctuary from project site is 18.5 km SE and from Asola Wildlife Sanctuary is 21 km SSE.									
11.	Revised parking required taking into account the metro reduction.	PP has informed that total parking required is 402 ECS and total parking proposed is 448 ECS. PP has also informed that 15% reduction in the proposed parking will be done taking into account the metro reduction.									
12.	Parking proposal to achieve 30 % of the ECS for electric vehicle. In addition, provision should be made to allow extension of electric charging facility to all parking slots in the future.	PP has informed that provisions of providing 30% parking (135 ECS) for electric vehicles have been incorporated in the building design. PP has attached map showing the parking plan as attached.									
13.	Provision for running shuttle service to metro station during peak hours at least 2 hrs in the morning and at least 2 hours in the evening with frequency not more than 15 mins.	PP has informed that the nearest metro station from the project is Kirti Nagar Metro station which is approx.500 m in SSW direction and the provision of the running shuttle service to metro station during peak hours at least 2 hrs in the morning and at least 2 hours in the evening with frequency not more than 15 mins will be provided. PP has attached undertaking stating the same as annexure.									
14.	Proposal for providing pedestrian only gates on both ends of the site frontage, along main road.	PP has attached site plan showing the pedestrian only gates on both sides of the main entrance of the building, along main road.									
15.	Proposal for universal accessibility as per MoHUA norms, incl. designated parking space, tactical pavers, level movement surface etc.	PP has informed that proposal for universal accessibility as per MoHUA norms will be provided.									

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SEAC deliberated that the photos shown of trees on site seemed to be mostly of *Prosopis juliflora* (vilayati keekar). The name of tree species shown in the presentation was *Vachellia nilotica*. Secondly, the girth reported of the trees seems to be on the higher side for the species concerned. These two aspects may be reviewed while taking permission from the forest department.

B. After due deliberations, the SEAC in its 134th Meeting held on 14.09.2023 recommended as follows: 14.09.2023

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:

1. The source of treated water during construction phase will be identified from the nearby STP of DJB and confirmation to this effect with documentary evidence of the purchased STP treated water will be the part of first six monthly compliance report.
2. The project proponent shall adhere to the total water requirement – 103 KLD, Fresh water requirement – 55 KLD, Treated water requirement – 48 KLD (for recycling in Flushing – 44 KLD, gardening – 4 KLD) and Excess treated water (31 KLD) shall be used in nearby parks with the consent of concerned department or other agencies.
3. Bills/Receipt issued by DJB against purchase of treated water from STP should be part of six monthly EC compliance report. Bills issued by private agency for supply water will not be sufficient.
4. The treated waste water through STP shall achieve the effluent standards: pH (5.5-9.0), BOD (10 mg/l), COD (50 mg/l), Nitrogen Total (10 mg/l), TSS (20 mg/l), Oil and Grease (10 mg/l), Dissolved Phosphate as P (1 mg/l), Ammonical Nitrogen < 5mg/l, Fecal Coliform (MPN/100 ml) – Desirable 100 permissible 230.
5. The project proponent should adhere to the Cost of Environmental Monitoring as committed i.e. Capital cost of Rs. 41.5 Lacs & Recurring cost of Rs. 10 Lacs/ year during Construction phase and Capital cost of Rs. 345.60 Lacs & Recurring cost of Rs.21.90 Lacs/ year during Operation phase.
6. At least 3.88 % (i.e. 150 kWp) of the total energy demand to be sourced from Solar (Renewable) energy as committed and PP shall try to enhance it further to 10 % of total energy demand.
7. PP to provide minimum 30% of total parking arrangement with electric charging facility by providing charging points at suitable places as committed. PP to ensure that this should be provided in AC/DC combination. In addition, provision should be made to allow extension of electric charging facility to all parking slots in the future.
8. Minimum 1 tree for every 80 Sq. Mt of plot area shall be planted within the project site.
9. Ground water should be extracted only after the permission from the competent authority.
10. During construction phase, only drinking water required by the labourers and the other fresh water requirement for Anti-Smog Guns is allowed to be supplied through tankers

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Rang, A, Zmit, Ashish, Comlung, 28

11. No of rain water harvesting pits shall be 02 nos. along with rain water storage tank with a capacity of minimum 1 day of fresh water requirement will 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 5 m above ground water table.
12. The Environment Management Cell consisting of 01 Environment Officer, 02 Maintenance In-charge, 02 STP Monitoring Persons, 01 RWH Monitoring Persons and 02 Solid waste collection & disposal monitoring persons shall be created as committed and made functional before commissioning of the proposed development.
13. 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 outfall/ sewer connection to be provided only for emergency discharge purposes with prior intimation to regulatory authority. 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 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. Only LED lighting fixtures should be used for energy conservation.
20. 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.
21. 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.

22. 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 / DDA/ other such local civic authority (as the case may be) regarding supply of adequate water for the residents/ occupiers.
23. 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.
24. 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.
25. 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 hired locally.
26. As proposed, fresh water requirement from DDA shall not exceed 55 KLD. Occupancy Certificate shall be issued only after getting necessary permission for required water supply from DDA/ concerned Authority.
27. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/ reused for Flushing and Horticulture.
28. The PP shall provide toxic gas (Combustible gas, Carbon dioxide and Hydrogen sulphide, Methane, VOCs, Ammonia) detectors for STP area.
29. The PP shall install the gas based generator sets as a first option, Hybrid generator sets (with 70 % gas based fuel and 30 % diesel) as a second option. The generator sets shall be operated as per extant directions of CPCB/ CAQM with due compliances of directions issued under GRAP for Delhi & NCR.
30. The project proponent shall implement the Traffic Management Plan and provision for running shuttle service to metro station during peak hours at least 2 hrs in the morning and at least 2 hours in the evening with frequency not more than 15 mins shall be provided as committed.
31. 'Pedestrian Only' gates on both ends of the site frontage, along main road shall be provided.
32. Universal accessibility as per MoHUA norms, incl. designated parking space, tactical pavers, level movement surface etc shall be provided.
33. Energy audit shall be carried out periodically to review energy conservation measures.
34. All sensor/meters based equipments should be calibrated on quarterly basis.
35. Climate responsive design as per Green Building Guidelines in practice should be ensured to the maximum extent.
36. Vegetation should be adopted appropriately on the ground as well as over built structures such as roofs, basements, podiums etc.

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Amit Ashish Anil Arun

37. Green belt development surrounding the campus, avenue tree planting and garden development should commence from the beginning of the construction phase. Only indigenous species should be used for green belt and avenue trees.
38. Exposed roof area and covered parking should be covered with material having high solar reflective index.
39. Building design should cater to the differently-abled citizens.
40. PP shall keep open space unpaved to the maximum extent possible so as to ensure permeability of water. However, whenever paving is deemed necessary, PP to provide grass pavers of suitable types & strength to increase the water permeable area as well as to allow effective fire tender movement and shall keep atleast 10 % of the plot area as pervious.
41. All the vibrating parts will be checked periodically and serviced to reduce the noise generation and sound producing equipment.
42. Construction activities will be allowed only during day-time period.
43. Lubrication will be carried out periodically for plant machinery.
44. Sensors to measure ground water level/Piezometers certified by CGWB should be installed by the PP immediately. These piezometers should have IoT facility and send data to the server for storage. Weekly data from these piezometer should be submitted along with EC compliance report. Calibration of these sensors should be done once in 6 months. Data of these piezometers should be also be
 - a) Highlighted on PP website with monthly updation
 - b) Shared with DJB (ground water division) on quarterly basis.

Meeting ended with the vote of thanks to the Chair


(Vijay Garg)
Chairman


(Pankaj Kapil)
Member secretary


(Ankit Srivastava)
Member


(Gopal Mohan)
Member


(Jyoti Mendiratta)
Member


(Ashish Gupta)
Member


(Paromita Roy)
Member


(Ghetan Agarwal)
Member


(S.K. Gautam)
Member