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

Minutes of the 145th Meeting of State Level Expert Appraisal Committee (SEAC) held on 19.06.2024 at 10:30 AM in the Conference Room of DPCC, DMRC IT Park, Shashtri Park.

The 145th Meeting of State Level Expert Appraisal Committee (SEAC) was held on 19.06.2024 in the Conference Room of DPCC, DMRC IT Park, Shashtri Park under the Chairmanship of Sh. Vijay Garg. The following Members of SEAC were present in the Meeting:

1.	Sh. Vijay Garg	-	In Chair
2.	Dr. Anwar Ali Khan	-	Member Secretary
3.	Dr. Sumit Kumar Gautam	-	Member
4.	Sh. Ashish Gupta	-	Member
5.	Ms. Jyoti Mendiratta	-	Member (Online)
6.	Ms. Paromita Roy	-	Member (Online)

Following SEAC Members could not attend the meeting:

1.	Sh. PranayLal	-	Member
2.	Sh. Chetan Agarwal	-	Member
3.	Dr. Sirajuddin Ahmed	-	Member

The Minutes of the 144th SEAC Meeting held on 14.06.2024 were confirmed by the Members.

Agenda 01
Case No C-440

Name of the Project	EC for Construction of Additional Court At New Plot at Plot FC-17, in front of Existing Karkardooma Court Complex, Karkardooma, East Delhi, Delhi
Project Proponent	Siddharth Mahajan, Executive Engineer, Public Works Department, Govt. of NCT of Delhi at Office of the Executive Engineer (C) other project Division -II, Central Prison Complex Mandoli Delhi
Consultant	M/s IND Tech House Consult
EIA Coordinator present during Meeting	Mr. Anand Kumar Dubey Mr. Soumya Dwivedi Mr. Indra Sharma
Representative of PP present during Meeting	Mr. Gurmeet (DFI) Mr. Roobin Punjathia (EE)
Proposal No.	SIA/DL/INFRA2/409692/2022
File No.	DPCC/SEIAA-IV/C-440/DL/2023
Case Type	Case was considered in 123rd and 142nd SEAC Meeting held on 01.02.2023, 10.06.2024. ADS was sought.

A. Details of the Proposed Project are as under:

1. The Proposal is for grant of EC for Construction of Additional Court at New Plot at Plot FC-17, in front of Existing Karkardooma Court Complex, Karkardooma, East Delhi, Delhi by M/s Public Works Department (PWD), New Delhi.
2. The Project is located at **Latitude:**28°39'15.46"N; **Longitude:** 77°17'38.68"E
3. **Area Details:**
   The Total Plot Area of the project is 4952.420 sqm. The Proposed Total Built-up Area (FAR + Non-FAR) is 29,450.646 sqm. The Proposed FAR Area is 13,953.223 sqm and Proposed Total Non-FAR Area is 15,497.424 sqm. The Proposed Ground Coverage is 2,476.21 sqm. The total no. of Basements will be 2 nos. The total nos. of floors will be 2B+G/SF+8. The total no of expected population is 4316 persons. The Max. Height of the building (upto the terrace level) is 39.15 m.
4. **Water Details:**
   During Construction Phase, total water requirement for labours will be 7.5 KLD, out of which fresh water will be 4.75 KLD and treated water will be 2.75 KLD. Sewage generation from the project will be 6 KLD which will be treated in mobile STP. Fresh water requirement for Anti-smog guns will be 4.8 KLD and treated waste water for construction purposes will be 6 KLD. Mobile toilets will be provided for labours at site.
   During Operational Phase, Total water requirement will be 190 KLD which will be met by 54 KLD of Fresh water from DJB and 91 KLD of treated waste water from in house STP and additional 45 KLD of treated waste water from nearby DJB STP. Total waste water generated from the project will be 101 KLD which will be treated in-house STP of

125 KLD capacity. Treated waste water from in house STP will be 91 KLD and treated water to be taken from DJB STP will be 45 KLD which will be recycled and reused for flushing (58 KLD), gardening (3 KLD), HVAC (75 KLD).

2 number of Rain Water Harvesting (RWH) Pits are proposed.

5. **Solid Waste Details**

   During Construction Phase, about 36.00 kg/day of municipal solid waste will be generated which will be disposed to MCD designated site through authorized vendor.

   During the Operation Phase, Total 1000 kg/day of Solid Waste will be generated from the project. Out of which, Bio-Degradable Waste generated will be 380 kg/day and Non-Biodegradable Waste generated will be 620 kg/day which will be disposed through govt. approved agency/recyclers.

6. **Power Details**

   During Operation Phase, Total Power requirement will be 1316 kW which will be supplied by BSES Rajdhani. For Power Back up, 1 x 1010, 1 x 1500 kVA GG Sets will be installed.

   Solar photovoltaic power panels of 131 kWP capacity will be installed.

7. **Parking Facility Details:** Total Proposed Parking is 255 ECS (Stilt: 50 ECS, Basements: 205 ECS), out of which parking for 76 ECS will be provided with EV charging facility.
8. **Eco-Sensitive Areas Details:** Distance of Okhla Wildlife Sanctuary from project site is 11.6 Km SE and from Asola Wildlife Sanctuary is 18.90 Km SSW.
9. **Plantation Details:** The proposed Green Area is 1,574.06 sqm (31.78 % of plot area) of which open green area is 932.00 sqm and hardscape area is 642.06 sqm. At present there are 25 numbers of trees present at site.
10. **Cost Details:** Total Cost of the project is Rs.173.94 Crores.

The earlier Proposal No. SIA/DL/MIS/67418/2021 for the above said project was filed by the Project Proponent i.e. M/s Public Works Department, New Delhi and was considered by SEAC in its 99th Meeting held on 22.02.2022 in which SEAC deferred the case for resubmission of Form 1& Form-1A for want of information required for designed parameters /STP details/ Rainwater Harvesting/ Green area/ Traffic management. Accordingly, ADS was raised to the Project Proponent which Project Proponent did not reply and as a result the Proposal got delisted from the Parivesh Portal.

PP again applied for EC vide Proposal no. SIA/DL/INFRA2/403615/2022 for the above said project and subsequently, the project proponent submitted a letter dated 07.11.2022 requesting to withdraw the case in view of the demise of the environment consultant engaged by them. Accordingly, SEAC in its 118th meeting held on 18.11.2022 recommended to delist the case in view of the request made by the Project Proponent which was approved by SEIAA in meeting dated 23.12.2022. Now, Project proponent has applied again for EC for the same project vide Proposal No. SIA/DL/INFRA2/409692/2022.

In lieu of water supply assurance of fresh water and treated water during operation phase, the PP has submitted letters dated 30.09.2022 and 05.09.2022 respectively.

After due deliberations, the SEAC in its 123rd Meeting held on 01.02.2023, 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 18.04.2024 which is as follows:

S.No.	Information sought by SEAC during SEAC Meeting dated 01.02.2023	Reply submitted on 18.04.2024
1.	Tree site report which should include site map with location of existing trees, a physical tree count of all trees on site along with trees girths with local and scientific names of trees with geo-tagging of all trees.	PP has attached revised tree survey report as annexure. PP has informed that there are 25 nos. of trees present in the plot area.
2.	Revised water assurances for treated water during operation phase and 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 treatment mechanism proposed for making this water fit for use in construction	PP has informed that fresh water and treated water will be sourced from DJB during operation phase and construction phase. However, PP has only attached treated waste water asurance and fresh water assurance as annexure. PP has informed that suitable filter mechanism will be installed to make the treated water fit during construction and operation phase.
3.	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.	PP has attached Revised EMP as annexure.
4.	Revised water mass balance taking into account the water required for Anti-Smog Guns to be deployed during construction phase.	PP has attached water requirement during construction phase as annexure. Details of water requirement during construction phase is as follows:

		S.No / Particulars / Quantity 1. Total Water Requirement for labours — 7.5 KLD 2. Fresh Water Requirement for labours — 4.75 KLD 3. Treated Water Requirement for labours — 2.75 KLD 4. Waste Water Generated — 6 KLD 5. Fresh Water for Anti-Smog Gun — 4.8 KLD 6. Treated water for sprinkling for dust suppression at construction site — 2 KLD 7. Treated waste water for Construction Purpose — 4 KLD
5.	Dewatering aspect to be further elaborated taking into account the depth of basement/ foundation.	PP has informed that ground water table is 7.9 m to 11 m at site and depth of foundation is more than 11.5 m so dewatering will be done at site. PP has informed that dewatrering will be done after getting prior permission.
6.	Revised latest geotechnical investigation report is required to be submitted.	PP has attached revised geotechnical investigation report as annexure.
7.	Proposal to provide minimum 30% of total parking arrangement with electric charging facility.	PP has informed that 30 % of the total parking will be provided for electric vehicles charging facility. Details of parking is as follows: **Total Car parking** — 255 ECS **Total EV parking provided** — 76 ECS
8.	Proposal for solar energy utilization to	PP has informed that solar power of 131

<table>
<tr><td></td><td>achieve atleast 10 % of power load requirement with due demarcation of nos. of Solar PV.</td><td>kWP (10 % of the total power load) will be provided.
PP has attached layout plan of solar PVs as annexure.</td></tr>
<tr><td>9.</td><td>Traffic Impact Assessment study considering the latest traffic scenario. Further PP is required to submit mitigation measures to handle critical entry and exit scenarios inside and outside the site minimizing the impact on the city roads.</td><td>PP has attached details related to traffic assessment as annexure.</td></tr>
<tr><td>10.</td><td>PP is required to submit the revised Capital and Recurring cost of EMP with inclusion of cost of environmental monitoring during construction & operation phase.</td><td>PP has attached revised EMP with inclusion of cost environmental monitoring during construction and operation phase which is as follows:
<table><tr><th>Phase</th><th>Capital Cost</th><th>Recurring Cost</th></tr><tr><td>Construction Phase</td><td>23.26 Lakhs</td><td>12.49 Lakhs</td></tr><tr><td>Operation Phase</td><td>60.10 Lakhs</td><td>21.19 Lakhs</td></tr></table></td></tr>
<tr><td>11.</td><td>Quantification of excavated earth and its management plan.</td><td>PP has informed that approx. 49500 cum soil will be excavated and will be used for site leveling and backfiling. Excess soil will be disposed through authorized contractor within 5 km of the project site.</td></tr>
<tr><td>12.</td><td>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.</td><td>PP has attached measures to reduce heat island effect & inversion effect as annexure.</td></tr>
<tr><td>13.</td><td>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.</td><td>PP has attached water balance chart in STP and water requirement during operation phase which is as follows:
<table><tr><th>S.No</th><th>Particulars</th><th>Quantity</th></tr><tr><td>1.</td><td>Total Water Requirement</td><td>190 KLD</td></tr><tr><td>2.</td><td>Fresh Water Requirement (Source: DJB)</td><td>54 KLD</td></tr><tr><td>3.</td><td>Treated</td><td>136 KLD</td></tr></table></td></tr>
</table>

		<table><tr><td></td><td>Water Requirement</td><td></td></tr><tr><td></td><td>Flushing</td><td>58 KLD</td></tr><tr><td></td><td>Gardening</td><td>3 KLD</td></tr><tr><td></td><td>HVAC</td><td>75 KLD</td></tr><tr><td>4.</td><td>Treated Water generation</td><td>91 KLD</td></tr><tr><td>5.</td><td>Waste Water Generated</td><td>101 KLD</td></tr><tr><td>6.</td><td>STP Capacity</td><td>125 KLD</td></tr><tr><td>7.</td><td>Additional Treated Water to be required</td><td>45 KLD</td></tr></table>
14.	Specify name and numbers of the post to be engaged by the proponent for implementation and monitoring of environmental parameters.	PP has informed that Sh. Deepak Hatila, Assistant Engineer, PWD will be engaged for implementation and monitoring of environmental parameters.
15.	Pedestrian skywalk needs to be provided connecting to Metro at concourse/ platform level of the nearest Metro station.	PP has attached details related to pedestrian skywalk as annexuree.
16.	Energy simulation to be done to demonstrate compliance of Lighting levels as per ECBC standards and that Natural Ventilation is being enabled in all habitable areas.	PP has informed that ECBC norms will be followed and all the habitable areas will be well lit with natural lightning.
17.	Air-conditioning load reduction strategies to be clearly enumerated and quantified and provided as a Step diagram.	PP has attached air conditioning load reduction strategies as annexure.

After due deliberations, the SEAC in its 142nd Meeting held on 10.06.2024, based on the information furnished, documents shown & submitted, presentation made by the project proponent recommended to seek the additional information. In its response, Project proponent has submitted its reply on 14.06.2024 which is as follows:

S. No.	Information sought by SEAC during SEAC Meeting dated 01.02.2023	Reply submitted on 18.04.2024
1.	Assurance from concerned authority for supply of treated water during construction phase.	PP has informed that during construction phase STP treated water will be sourced from Kondli STP's of Chilla STP. PP has attached assurance letter from DJB as annexure.
2.	Structural safety certificate from structural engineer stating that structure is safe having considered uplift pressure from dewatering. Dewatering plan be submitted with supporting calculation. PP to submit dewatering mechanism of ground water along with its proper disposal plan and shall identify location for its disposal.	PP has attached Structural safety certificate as Annexure. PP has attached dewatering mechanism of ground water along with its disposal plan attached as annexure.
3.	FOB and Pedestrian skywalk need to be provided connecting the two court buildings. Layout plan be submitted showing both facilities.	PP has attached proposed FOB and pedestrian layout as Annexure.
4.	Proposed Environmental Cell composition be submitted stating the deployment of personnel's for implementation and monitoring of environmental management plan.	PP has attached Environment management cell composition as Annexure.
5.	Heat island effect report shall be supported by proper calculation so that proposal is factual and auditable Resubmit.	PP has attached Heat island effect report as Annexure.
6.	Submit Agreement with vendor for disposal of excavated earth with disposal site.	PP has attached agreement with M/s Abhilasha Enterprises for disposal of excavated earth as Annexure.
7.	PP to submit revised EMP cost after taking into account the cost involved in terms of dust mitigation measures including dust portal compliance, solid waste management, plastic waste management, Environment management cell.	PP has attached Revised EMP cost as Annexure **Phase** / **Capital Cost** / **Recurring Cost** **Construction Phase**: 60.86 Lakhs / 22.66 Lakhs **Operation Phase**: 116.3 Lakhs / 20.3 Lakhs

8.	Proposal for installation of organic waste composter clearing starting the capacity and quantity of waste to be processed in it and disposal of excess compost in nearby area.	Solid waste generation from project site will be 1000 Kg/day out of which organic waste generation will be 380 kg/day will be generated. PP has also informed that Organic waste composter of capacity 400 kg/day will be installed during the operation phase of the project. Manure will be used for horticulture with in project site. Excess manure will be sent to nearby project site/nursery.

B. After due deliberations, the SEAC in its 145th meeting held on 19.06.2024 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. Only the treated water of STP should be used ensuring it is fit for construction purposes.
2. FOB & Sky Walk will be proposed to reduce the traffic, from Metro concourse and between buildings.
3. Dewatering of ground water to be properly utilized and shall be used by PP for reuse in horticulture purposes or nearby parks and excess of it shall be discharged through nearby storm drain.
4. During construction phase, the fresh water shall be used for potable purpose for Anti-Smog Gun supplied through tankers.
5. Bills/Receipt issued by DJB against purchase of treated water from STP should be part of six-monthly EC compliance report.
6. The project proponent shall adhere to the total water requirement – 190 KLD, Fresh water requirement – 54 KLD, Treated water requirement – 136 KLD from in-house STP shall be used for reuse & recycling in Flushing (58 KLD), HVAC (75 KLD), Gardening (3 KLD).
7. As proposed, fresh water requirement shall not exceed 54 KLD. Occupancy Certificate shall be issued only after getting necessary permission for required water supply from Concerned Authority.
8. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/ reused for flushing, gardening, cooling etc.
9. The PP shall provide toxic gas (Combustible gas, Carbon dioxide and Hydrogen sulphide, Methane, VOCs, Ammonia) detectors for STP area.
10. Internet of Things (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.

11. All sensor/meters based equipments should be calibrated on quarterly basis.
12. 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 piezometers 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.
13. No. of Rain water harvesting pit shall be 2 nos. and Rain water storage tank of capacity of min. 1 day of total fresh water requirement 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 5 m above ground water table.
14. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials. Wet garbage shall be composted in organic waste converter. Adequate area shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from the project will be sent to dumping site.
15. Construction & Demolition waste should be disposed of at authorized C&D waste collection centre/ processing unit. PP shall ensure compliance of C&D waste Management rules, 2016. Necessary agreement to be reached with the C&D waste management facility
16. PP shall purchase RMC from Ready-mix Concrete plant consented by DPCC
17. 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.
18. Construction activities will be allowed only during day-time period.
19. PP to comply with Plastic Waste Management Rules 2016.
20. 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,
21. 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. Regenerating plastic panels should be used instead of GI sheets.
22. The generator sets shall be installed as per extant directions of CPCB/ CAQM with due compliances of directions issued under GRAP for Delhi & NCR.

23. PP should install the air filters in the basement consisting of advanced adsorption technologies.
24. Air Pollution Mitigation Plan for all points and non points should be implemented.
25. 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.
26. PP shall install 10 % (131 kWP) of the total energy demand to be sourced from Solar (Renewable) energy as committed.
27. Green building norms should be followed with a minimum 4 star GRIHA/IGBC/ASSOCHAM-GEM rating.
28. Climate responsive design as per Green Building Guidelines in practice should be ensured to the maximum extent.
29. Energy audit shall be carried out periodically to review energy conservation measures.
30. Exposed roof area and covered parking should be covered with material having high solar reflective index.
31. The sufficient mitigation measures must be taken by the PP to mitigate the effect of heat island.
32. Minimum 1 tree for every 80 Sq. Mt of plot area should be planted within the project site.
33. Vegetation should be adopted appropriately on the ground as well as over built structures such as roofs, basements, podiums etc.
34. Green belt development surrounding the site, 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.
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. The project proponent should adhere to the Cost of Environmental Monitoring as committed i.e. capital cost of Rs. 60.86 Lacs and recurring cost of Rs. 22.66 Lacs/ year during construction phase and capital cost of Rs. 116.3 Lacs and recurring cost of Rs. 20.3 Lacs/ year during operation phase.
37. 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.
38. The Environment Management Cell consisting of 1 Director, 1 Senior Environment Expert, 1 Junior Environment Expert having specific knowledge and experience related to environmental safeguards/ air/ water pollution shall be created and made functional before commissioning of the proposed development.
39. PP shall be responsible for establishment, operation and maintenance of all common facilities and also for compliance of EC conditions during operation stage.
40. 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.

41. 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 DIAL/ DJB/ New Delhi Municipal Council / other such local civic authority (as the case may be) regarding supply of adequate water for the residents/ occupiers.
42. 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.
43. 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.
44. All the vibrating parts will be checked periodically and serviced to reduce the noise generation and sound producing equipment.
45. Lubrication will be carried out periodically for plant machinery.
46. Building design should cater to the differently-abled citizens

Agenda No: 02
Case No. 442

Name of the Project	EC for Construction of District Court at Sector-26 Rohini, New Delhi by M/s Public Works Department.
Project Proponent	Executive Engineer, Public Works Department, GNCTD at Office of Executive Engineer, Other Project Division-1, PWD, Rouse Avenue Court Complex, DDU Marg, New Delhi
Consultant	IND Tech House Consult
EIA Coordinator present during Meeting	Mr. Anand Kumar Dubey Mr. Soumya Dwivedi Mr. Indra Sharma
Representatives of PP present during Meeting	Mr. Anuj Prabhakar (Architect) Mr. Rajesh Kumar (EE) – (*As per the authority letter provided on 19.06.2024.)*
Proposal No.	SIA/DL/INFRA2/408499/2022
File No.	DPCC/SEIAA-IV/C-442/DL/2023
Case Type	Case was considered in 98th, 124th and 142nd SEAC Meeting held on 02.02.2024, 24.02.2023, 10.06.2024. ADS was sought.

A. Details of the Proposed Project are as under:

1. The Proposal is for grant of EC for Construction of District Court at Sector-26 Rohini, New Delhi by M/s Public Works Department (PWD), New Delhi and details have been updated as per ADS reply submitted.
2. The Project is located at Latitude: 28°4434.54" N; Longitude: 77°05'09.34"E
3. **Area Details :**
   The Total Plot Area of the project is 17,415 sqm. The Proposed Total Built-up Area (FAR + Non-FAR) is 1,09,208.7 sqm. The Proposed FAR Area is 51596.08 sqm and Proposed Total Non-FAR Area is 57612.6 sqm. The Proposed Ground Coverage is 5855.19sqm. The total no. of Basements will be 1 nos. The total nos. of floors will be B+G+12. The total no. of expected population is 11225 persons including floating population. The Max. Height of the building (upto the terrace level) is 59.7 m.
4. **Water Details:**
   During Construction Phase: total water requirement will be 10.4 KLD, out of which fresh water will be 6.60 KLD and treated water will be 3.80 KLD. Sewage generation from the project will be 9.08 KLD. Fresh water requirement for Anti-smog guns will be 4.8 KLD and treated waste water for construction purposes will be 6 KLD.

During Operational Phase: Total Water requirement of the project will be 670 KLD which will be met by 170 KLD of Fresh water from DJB and 272 KLD of Treated waste water from in house STP and additional 228 KLD of treated waste water from nearby DJB STP. Total waste water generated from the project will be 302 KLD which will be treated in-house STP of 400 KLD capacity. Treated waste water from in house STP will be 272 KLD and treated waste water to be taken from DJB STP will be 228 KLD which will be recycled and reused for flushing (166 KLD), gardening (14 KLD), HVAC (320 KLD).

5 number of Rain Water Harvesting (RWH) Pits are proposed.

5. **Solid Waste Details** :

During Construction Phase, about 48.00 kg/day of municipal solid waste which will be disposed through authorized vendor.

During the Operation Phase, Total 2470 kg/day of solid waste will be generated from the project consisting of biodegradable waste 990 kg/day and Non-Biodegradable Waste of 1480 kg/day. About 27.6 kg/day of sewage sludge will be generated which will be used as manure.

6. **Power Details:**

During Operation Phase: Total Power requirement will be 5632 kW which will be supplied by TPDDL. For Power Back up, 3 x 2000, 1 × 800 kVA GG Sets will be installed.

Solar photovoltaic power panels of 385 kWP capacity i.e. 7 % of total power demand will be installed.

7. **Parking Facility Details:** Total Proposed Parking is 1187 ECS (Surface: 4 ECS, Basements: 700 ECS, MLCP: 483 ECS), out of which parking for 360 ECS will be provided with EV charging facility.
8. **Eco-Sensitive Areas Details:** Distance of Okhla Wildlife Sanctuary from project site is 30.28 Km SE and from Asola Wildlife Sanctuary is 31.25 Km SE.
9. **Plantation Details:** The proposed Green Area is 5089.44 sqm (29.22 % of plot area. Total no. of trees proposed is 220 nos.
10. **Cost Details:** Total Cost of the project is Rs. 568.56 Crores.

The earlier Proposal No. SIA/DL/MIS/244263/2021 for the above said project was filed by the Project Proponent i.e. M/s Public Works Department, New Delhi and was considered by SEAC in its 98th Meeting (IInd Seating) held on 02.02.2022 in which SEAC sought additional information from PP based on the information furnished, documents shown & submitted, presentation made by PP. Accordingly, ADS was raised to the Project Proponent which Project Proponent did not reply and as a result the Proposal got delisted from the Parivesh Portal.

With reference to the water supply assurances the PP has submitted a letter dated 16.01.2023 issued by DJB showing the non-availability of fresh water supply to the project and the issue of treated water supply from DJB STP has not been addressed.

After due deliberations, the SEAC in its 124th Meeting held on 24.02.2023, based on the information furnished, documents shown & submitted, presentation made by the project proponent recommended to seek the additional information along with point wise reply of the ADS raised in view of 98th Meeting (IInd Sitting) of SEAC held on 02.02.2022. In its response, Project proponent has submitted its reply on 22.04.2024 which is as follows:

<table>
<tr><th>S.No.</th><th>Information sought by SEAC during SEAC Meeting dated 24.02.2023</th><th>Reply submitted on 22.04.2024</th></tr>
<tr><td>1.</td><td>Point wise reply of the ADS raised in view of 98th Meeting (IInd Sitting) of SEAC held on 02.02.2022</td><td>No reply submitted.</td></tr>
<tr><td>2.</td><td>Tree site report including physical tree count of all trees invasive or non-invasive alongwith tree girths with local and scientific names of trees.</td><td>PP has attached tree survey report as annexure.
PP has informed that there are no trees inside the plot boundary. However, bushes namely Kikar are present there.</td></tr>
<tr><td>3.</td><td>Revised Capital and Recurring cost of EMP with inclusion of cost of environmental monitoring. PP should ensure that presentation should not be in deviation of the details mentioned in proposal.</td><td>PP has attached revised EMP with inclusion of cost environmental monitoring during construction and operation phase which is as follows:
<table><tr><th>Phase</th><th>Capital Cost</th><th>Recurring Cost</th></tr><tr><td>Construction Phase</td><td>42.4 Lakhs</td><td>20.598 Lakhs</td></tr><tr><td>Operation Phase</td><td>435.03 Lakhs</td><td>53.16 Lakhs</td></tr></table></td></tr>
<tr><td>4.</td><td>Revised calculation for solid waste generation figures accounting for the sludge generated from STP and its disposal methodology.</td><td>PP has attached revised solid waste generation figures including STP sludge which are as follows:
<table><tr><th>Type of waste</th><th>Quantity</th></tr><tr><td>Bio-degradable Waste</td><td>990 kg/day</td></tr><tr><td>Non-Biodegradable Waste</td><td>1480 kg/day</td></tr><tr><td>Total Solid Waste generation</td><td>~2470 kg/day</td></tr><tr><td>STP Sludge</td><td>27.6 kg/day</td></tr></table></td></tr>
<tr><td>5.</td><td>Proposal for solar energy utilization to achieve atleast 10 % of power load requirement.</td><td>PP has informed that they have explored all the possibilities to achieve 10 % of power load from solar energy. However, they will be able to provide maximum 385 kWP i.e. 7 % of total power demand from solar</td></tr>
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<tr><td></td><td></td><td>energy.

PP has attached layout plan for SPV as annexure.</td></tr>
<tr><td>6.</td><td>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</td><td>PP has informed that 30 % of the total parking will be provided for electric vehicles charging facility. Details of parking is as follows:
<table><tr><td>Total Car parking</td><td>1187 ECS</td></tr><tr><td>Basement</td><td>700 ECS</td></tr><tr><td>MLCP</td><td>483 ECS</td></tr><tr><td>Surface car parking</td><td>4 ECS</td></tr><tr><td>Total EV parking provided (30 % of total parking)</td><td>360 ECS</td></tr></table></td></tr>
<tr><td>7.</td><td>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.</td><td>PP has attached water requirement calculation along with water mass balance as annexure.

PP has attached revised water balance chart in STP and water requirement during operation phase which is as follows:
<table><tr><th>S.No</th><th>Particulars</th><th>Quantity</th></tr><tr><td>1.</td><td>Total Water Requirement</td><td>670 KLD</td></tr><tr><td>2.</td><td>Fresh Water Requirement (Source: DJB)</td><td>170 KLD</td></tr><tr><td>3.</td><td>Treated Water Requirement</td><td>500 KLD</td></tr><tr><td></td><td>Flushing</td><td>166 KLD</td></tr><tr><td></td><td>Gardening</td><td>14 KLD</td></tr><tr><td></td><td>HVAC</td><td>320 KLD</td></tr><tr><td>4.</td><td>Treated Water generation</td><td>272 KLD</td></tr><tr><td>5.</td><td>Waste Water Generated</td><td>302 KLD</td></tr><tr><td>6.</td><td>STP</td><td>400 KLD</td></tr></table></td></tr>
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		<table><tr><td></td><td>**Capacity**</td><td></td></tr><tr><td>7.</td><td>**Additional Treated Water to be required**</td><td>228 KLD</td></tr></table>
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.
9.	Pollution load and abatement plan during construction and operation phase for point and non-point sources with detailed calculation	PP has attached pollution load and abatement plan as annexure.
10.	Air pollution abatement plan for the air pollutants like PM2.5 , PM10, SOx , NOx etc. from parking and traffic due to project.	PP has attached air pollution abatement plan as annexure.
11.	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 low cost sensors for monitoring PM 2.5, PM 10.	PP has attached EMP (Environment Management Plan) as annexure.
12.	Water requirement for Anti-Smog Gun needs to be accounted for in fresh water requirement during construction phase.	PP has attached water requirement during construction phase as annexure. Details of water requirement during construction phase is as follows: <table><tr><td>**S.No**</td><td>**Particulars**</td><td>**Quantity**</td></tr><tr><td>1.</td><td>**Total Water Requirement for labours**</td><td>10.40 KLD</td></tr><tr><td>2.</td><td>**Fresh Water Requirement for labours**</td><td>6.60 KLD</td></tr><tr><td>3.</td><td>**Treated Water**</td><td>3.80 KLD</td></tr></table>

		Requirement for labours
		4. **Waste Water Generated** — 9.08 KLD
		5. **Fresh Water for Anti-Smog Gun** — 10 KLD
		6. **Treated water for sprinkling for dust suppression at construction site** — 2 KLD
		7. **Treated waste water for Construction Purpose** — 4 KLD
13.	Provide season wise simulation of Heat Island effect.	PP has attached mitigation measures for heat island effect as annexure.

After due deliberations, the SEAC in its 142nd Meeting held on 10.06.2024, based on the information furnished, documents shown & submitted, presentation made by the project proponent recommended to seek the additional information. In its response, Project proponent has submitted its reply on 14.06.2024 which is as follows:

S. No.	Information sought by SEAC during SEAC Meeting dated 10.06.2024	Reply submitted on 14.06.2024
1.	Assurance from concerned authority for supply of treated water during construction phase.	PP has informed that during construction phase STP treated water will be sourced from Common STP located at Sector 25 Rohini. PP has attached assurance letter from DJB as annexure.
2.	Tree site report including physical tree count of all trees invasive or non-invasive along with tree girths with local and scientific names of trees.	PP has informed that the project site has some bushes of kikar which will be discussed during the meeting.
3.	Structural safety certificate from structural engineer stating that structure is safe having considered uplift pressure from dewatering.	PP has attached structural safety certificate as Annexure.
4.	Specify name and numbers of the post to	PP has attached Environmental Management

<table>
<tr><td></td><td>be engaged by the proponent for implementation and monitoring of environmental parameters. Environmental Management Cell composition be submitted and cost be included in EMP for functioning of this cell.</td><td>Cell composition as annexure.</td></tr>
<tr><td>5.</td><td>Heat island effect report shall be supported by proper calculation so that plan given by the PP is factual and auditable.</td><td>PP has attached Heat island effect report as Annexure</td></tr>
<tr><td>6.</td><td>PP to submit dewatering mechanism of ground water along with its proper disposal plan and shall identify location for its disposal.</td><td>PP has attached dewatering mechanism of ground water along with its proper disposal plan and location for disposal as Annexure</td></tr>
<tr><td>7.</td><td>Agreement for disposal of excavated earth with vendor and disposal thereof.</td><td>PP has attached agreement with M/s Roshan Real Estates Pvt. Ltd. for disposal of excavated earth as Annexure.</td></tr>
<tr><td>8.</td><td>PP to submit revised EMP cost after taking into account the cost involved in terms of dust mitigation measures including dust portal compliance, solid waste management, plastic waste management, Environment management cell.</td><td>PP has attached Revised EMP cost as Annexure
<table>
<tr><th>Phase</th><th>Capital Cost</th><th>Recurring Cost</th></tr>
<tr><td>Construction Phase</td><td>62.4 Lakhs</td><td>31.85 Lakhs</td></tr>
<tr><td>Operation Phase</td><td>428.5 Lakhs</td><td>42.86 Lakhs</td></tr>
</table></td></tr>
<tr><td>9.</td><td>Proposal for installation of organic waste composter clearing stating the capacity and quantity of waste to be processed in it. Disposal of excess compost to nearby areas.</td><td>PP has informed that total solid waste generation will be 2470 kg/day out of which organic waste generation will be 990 kg/day. PP has also informed that OWC converter of capacity 1000 kg/day will be provided during operation phase. Manure will be used for horticulture with in project site. Excess manure will be sent to nearby project site/nursery.</td></tr>
<tr><td>10.</td><td>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 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</td><td>PP has informed that since the ground water table is very shallow, rain water harvesting is not feasible at our site. Hence, they are providing rain water collection tank of 902 KL for collection and reuse of rain water.
PP has attached layout showing location of rain water collection tank as annexure.</td></tr>
</table>

	next 50 years and create adaptive strategy accordingly.	
11.	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, am.t indicate the same in m^3, b. Design separate storm water retention and recharge or reuse capacity for rooftop runoff and paved areas.	PP has informed that tank of 902 KL will be provided for roof top rain water collection and reuse. PP has also informed that rain water collection tank from roof top and storm water collection tank from paved and other area has been designed and attached their location as annexure.

C. After due deliberations, the SEAC in its 145th meeting held on 19.06.2024 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. PP shall use only the treated water of STP for construction purposes meeting the quality of water fit for construction.
2. During construction phase, the fresh water shall be used for potable purpose and for Anti-Smog Gun supplied through tankers.
3. Bills/Receipt issued by DJB against purchase of treated water from STP should be part of six monthly EC compliance report.
4. The project proponent shall adhere to the total water requirement -- 670 KLD, Fresh water requirement – 170 KLD, Treated water requirement –500 KLD from in-house STP shall be used for reuse & recycling in Flushing (166 KLD), HVAC (320 KLD), Gardening (14 KLD).
5. As proposed, fresh water requirement shall not exceed 170 KLD. Occupancy Certificate shall be issued only after getting necessary permission for required water supply from Concerned Authority.
6. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/ reused for flushing, gardening, cooling etc.
7. The PP shall provide toxic gas (Combustible gas, Carbon dioxide and Hydrogen sulphide, Methane, VOCs, Ammonia) detectors for STP area.
8. Internet of Things (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.

9. All sensor/meters based equipments should be calibrated on quarterly basis.
10. 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 piezometers 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.

11. No. of Rain water harvesting pit shall be 5 nos. and Rain water storage tank of capacity of min. 1 day of total fresh water requirement 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 5 m above ground water table.
12. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials. Wet garbage shall be composted in organic waste converter. Adequate area shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from the project will be sent to dumping site.
13. Construction & Demolition waste should be disposed of at authorized C&D waste collection centre/ processing unit. PP shall ensure compliance of C&D waste Management rules, 2016. Necessary agreement to be reached with the C&D waste management facility
14. PP shall purchase RMC from Ready-mix Concrete plant consented by DPCC
15. 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.
16. Construction activities will be allowed only during day-time period.
17. PP to comply with with Plastic Waste Management Rules 2016.
18. 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,
19. 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. Regenerating plastic panels should be used instead of GI sheets.
20. The generator sets shall be installed as per extant directions of CPCB/ CAQM with due compliances of directions issued under GRAP for Delhi & NCR.

21. PP should install the air filters in the basement consisting of advanced adsorption technologies.
22. Air Pollution Mitigation Plan for all points and non points should be implemented.
23. 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.
24. At least 10 % of the demand load to be sourced from Solar (Renewable) energy.
25. Green building norms should be followed with a minimum 4 star GRIHA/IGBC/ASSOCHAM-GEM rating.
26. Climate responsive design as per Green Building Guidelines in practice should be ensured to the maximum extent.
27. Energy audit shall be carried out periodically to review energy conservation measures.
28. Exposed roof area and covered parking should be covered with material having high solar reflective index.
29. The sufficient mitigation measures must be taken by the PP to mitigate the effect of heat island.
30. Minimum 1 tree for every 80 Sq. Mt of plot area should be planted within the project site. PP shall plant saplings of minimum 10 ft. height.
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 site, 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. 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.
34. The project proponent should adhere to the Cost of Environmental Monitoring as committed i.e. capital cost of Rs. 62.4 Lacs and recurring cost of Rs. 31.85 Lacs/ year during construction phase and capital cost of Rs. 428.5 Lacs and recurring cost of Rs. 42.86 Lacs/ year during operation phase.
35. 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.
36. The Environment Management Cell consisting of 1 Director, 1 Senior Environment Expert, 1 Junior Environment Expert having specific knowledge and experience related to environmental safeguards/ air/ water pollution shall be created and made functional before commissioning of the proposed development.
37. PP shall be responsible for establishment, operation and maintenance of all common facilities and also for compliance of EC conditions during operation stage.
38. 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.

39. 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 DIAL/ DJB/ New Delhi Municipal Council / other such local civic authority (as the case may be) regarding supply of adequate water for the residents/ occupiers.
40. 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.
41. 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.
42. All the vibrating parts will be checked periodically and serviced to reduce the noise generation and sound producing equipment.
43. Lubrication will be carried out periodically for plant machinery.
44. Building design should cater to the differently-abled citizens
45. The PP shall make appropriate modifications to their building plans/ floor plans to create atria or glazed openings at least on one side to ensure natural daylight penetration into central spaces — in order to avoid "sick building syndrome" for all regular building occupants (eg. lawyers, judges, other staff, etc.).

Meeting ended with the vote of thanks to the Chair

(Sh. Vijay Garg) Chairman	(Dr. Anwar Ali Khan) Member secretary	(Dr. Sumit Kumar Gautam) Member
(Sh. Ashish Gupta) Member	(Ms. Jyoti Mendiratta) Member	(Ms. Paromita Roy) Member