# STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC)-DELHI

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

Minutes of the 114<sup>th</sup> Meeting of State Level Expert Appraisal Committee (SEAC) held on 09.09,2022 at 11:00 AM in the Conference Room of DPCC, at 5<sup>th</sup> Floor, ISBT Building, Kashmere Gate, Delhi 110006.

The 114<sup>th</sup> Meeting of State Level Expert Appraisal Committee (SEAC) was held on 09.09.2022 in the Conference Room of DPCC under the Chairmanship of Sh. Vijay Garg. The following Members of SEAC were present in the Meeting:

1. Sh. Vijay Garg - In Chair
2. Sh. Surinder Kumar Juneja - Member
3. Sh. Ankit Srivastava - Member
4. Sh. Chetan Agarwal - Member
5. Sh. Gopal Mohan - Member
6. Sh. Pranay Lal - Member

Sh. Pankaj Kapil
 Member Secretary

## Following SEAC Members could not attend the Meeting:

1. Ms. Jyoti Mendiratta - Member
2. Sh. Ashish Gupta - Member
3. Ms. Paromita Roy - Member
4. Dr. Sirajuddin Ahmed - Member
5. Dr. Sumit Kumar Gautam - Member
6. Dr. Kailash Chandra Tiwari - Member

Following DPCC Officials assisted the Committee:

Sh. Amit Chaudhary (EE), DPCC

2. Sh. S.K. Goyal (EE), DPCC

3. Sh. Rohit Kumar Meena, (JEE), DPCC

The Minutes of the 113th SEAC Meeting held on 29.08.2022 were confirmed by the Members.

The SEAC deliberate on tree cutting aspects in building construction projects on account of fire clearance required. The committee decided that Director, Fire Services be requested to attend / depute responsible officer for next meeting of SEAC so that suggestion of committee be discussed for implementation during processing of fire clearances in order to save existing trees at project site.

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## Case No. C-416

Name of the Project	Amendment in Environment Clearance (EC) for Construction of "Group Housing Colony" with Built-up area 3,47,102 sqm at Ashok Vihar, plot-B, District- North west, Delhi		
Project Proponent	Mr. Rahul Kumar, Senior Manager, M/s Godrej Green Woods Private Limited at Godrej One, 5th Floor, Pirojsha Nagar, Eastern Express Highway, Vikhroli East Maharashtra 400079.		
Consultant	Ind Tech House Consult, G 8/6, Ground Floor, Rohini Sector 11, New Delhi 110085		
EIA Coordinator present during Meeting	Mr Anand Vr Dukas		
Representative of PP present during Meeting	Mr. Nishant Sabharwal (GM, Design Strategy) Mr. Vikas Tarchandani (Sr. Manager, Design Strategy)		
Proposal No.	SIA/DL/MIS/291449/2022		
File No.	21-57/2021-IA-III		

## A. Details of the Proposed Project are as under:

- The Proposal is for grant of Amendment in Environment Clearance for the project Construction of "Group Housing Colony" with builtup area 3,47,102 sqm at Ashok Vihar, plot-B, District- North West, Delhi by M/s Godrej Green Woods Private Limited. The amendment is required only for the nos. of trees exists at site and trees to be retained.
- 2. The said project has obtained Environment Clearance vide File no. 21-57/2021-IA-III dated 22<sup>nd</sup> November 2021 by MoEF & CC for the plot area 78710 sqm and built-up area of 3,47,102 sqm. The project is located at Ashok vihar, Plot-B, District, North West, Delhi with coordinates 28<sup>0</sup> 41°14.29 N Latitude & 77<sup>0</sup> 10°47.55 E Latitude. The project was issued ToR vide letter no. 21-33/2021-IA-III dated 17<sup>th</sup> June, 2021 by MoEF&CC, GoI.
- 3. As per Environmental Clearance issued the land parcel belongs to Rail Land Development Authority (RLDA). The land has been given to M/s Godrej Green Woods Private Limited for the development of a group housing colony under the lease agreement. The project has two plots- A & B with a road dividing the two plots. Plot A has already been granted Environmental Clearance vide letter No. 21-85/2020-IA-III dated 05.01.2021 for the construction of Group Housing Colony at Total Plot area of 28,888 sqm and total built-up area of 1,48,863.3 sqm and for Plot B there is

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development of Group Housing Colony (08 Residential towers, 3 Clubs in lower ground floor and 1 separate club block, 26 Villas, 4 Retail Blocks, 1 Milk Booth and 4 watch ward cabins) at Plot-B having plot area of 78,710 sqm.

- 4. As per Environmental Clearance issued, total green area of 19677.5 sqm will be developed within the plot area of the project. Plantation of native plants will be done, 2337 trees are present at the site out of which 305 nos. of trees will be retained and 946 nos. of trees will be transplanted within the site and 1086 nos. of invasive trees will be cut/ trimmed for the construction of residential buildings. Additional 39 new trees will be planted at the site. Thus, total 1290 trees will be maintained at the site (i.e. 305 + 946 + 39)
- 5. Details of configuration is as follows for which amendment is proposed:

S.no	Plant/ Equipment/ Facility	Existing Configuration	Proposed Configuratio n	Final configuration after Amendment	Remarks if Any
1.	Plot Area	78,710 Sqm	Nil	78,710 Sqm	No Change
2.	Built Up Area	3,47,102 Sqm	Nil	3,47,102 Sqm	No Change
3.	Total No of Existing Trees on site	2,337 Nos of trees as per EC letter			PP stated that they mistakenly represented/ included 376 nos of trees of adjoining plot in the proposal. PP has attached an order of Department of Forest & Wildlife, GNCTD empaneling the Green Morning Horticulture Pvt. Ltd and three others to carry out the work of tree plantation in the NCT of Delhi. PP has attached tree survey summary report of proposed project conducted by Green Morning Horticulture Pvt. Ltd. dated 27.01.2022 showing total 1961 nos. of trees existing at site.
4.	Trees to be retained	letter 305	Only 84 Nos of trees will be retained	Only 84 Nos. of trees will be retained	*

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The PP has stated that in the Environmental Clearance there was a clerical error on the tree count at site. By mistake they have included trees 376 nos. on adjoining plots owned by our lessors (RLDA) due to a calculation mistake it was represented that there were 2337 trees on site and 305 trees were being retained, while the actual count is 1961 and 84 trees will be retained. The survey, done by a Forest Department of Delhi empanelled agency "Green Morning" is also attached, along with their empanelment letter.

By virtue of the proposed amendment sought and clarification submitted during presentation the revised scenario wrt trees will be as follows:

	Earlier survey	New Survey
Total Trees	2337	1961
Trees to be cut (invasive or dry)	1086	996
Net trees ( excluding invasive or dry)	1251	965
Trees to be retained	305	84
Trees to be transplanted	946	881
% of retention of total trees	13.1%	4.3%
% of retention of net trees	24.4%	8.7%

# B. After due deliberations, the SEAC in its 114<sup>th</sup> Meeting held on 09.09.2022 recommended as follows:

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

- PP shall indicate the steps taken if any to incorporate the trees on site in the planning stage as required by section 4(1) of the Tree Transplantation Policy including existing tree survey site report.
- 2. The percentage of trees being retained is just 4.3% of the total trees. Even if the trees being cut (subabul + dry) are excluded (net trees), the retention is just 8.7%. The earlier EC was granted on the basis that at least 13.1 of of total trees, and 24.4% of net trees were being retained. This is an extraordinarily low percentage of trees being retained, especially for a project that has "Green Wood" in its name.
- 3. The Tree and building planning needs to be revised so that the percentage of trees to be retained should not decrease in comparision to the earlier scenerio proposed in earlier environmental clearance dated 22.11.2021. That is the bare minimum. Attempt should be made to increase the total trees being retained to 30%.
- Trees to be transplanted within the site and outside the site with clear demarcation in the list.
- Categorical informtion wrt number of trees to be maintained/ planted within project site.
- Revised assessment of heat Island effect and change in ambient air pollution levels due to change in number of trees should be provided by the project proponent.

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#### Case No. C-409

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

## A. Details of the Proposed Project are as under:

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

#### 3. Area Details:

The net Plot Area of the project is 18663.33 sqm. The Proposed Total Built-up Area is 44097.18 sqm. The Proposed FAR Area is 20897.49 sqm. The Proposed Non FAR Area and Additional FAR Areas (including basement & area of EWS) is 23199.69 sqm. The Proposed Ground Coverage is 6286.252 sqm. The total no. of Basements will be 3 nos. and the no. of Floors will be 3B+G+3. Total numbers of Building Blocks (Residential + Community facility) is 10 nos. The number of saleable Dwelling Units will be 160 DUs and EWS DUs will be 72 nos. The total no of expected population is 1414 persons. The max. height of the building is 12.65 m.

#### 4. Water Details:

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

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

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

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

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

#### 5. Solid Waste Details

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

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

#### 6. Power Details

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

Solar photovoltaic power panels of desired capacity will be provided.

- Parking Facility Details: Total Proposed Parking is 518 ECS (86 space parking and 432 basement).
- Eco-Sensitive Areas Details: Distance of Okhla Wildlife Sanctuary from project site is 14.8 Km, NE and from Asola Wildlife Sanctuary is 4.9 km, SE.
- 9. Plantation Details: The proposed Green Area is 3721.084 sqm. (19.94 % of plot area). Total no. of trees proposed is 235 nos. There are 55 nos. of trees present at site and same will be retained within site. There will be no clearance of vegetation and tree cutting involved at site.
- 10. Cost Details: Total Cost of the project is Rs 108 Crores.

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

After due deliberations, the SEAC in its 113th Meeting held on 29.08.2022 decided to defer the case to the next forthcoming SEAC meeting on the request by the accredited consultant of the project proponent. During the meeting dated 09.09.2022 also nobody appeared on behalf of project proponent.

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# B. After due deliberations, the SEAC in its 114<sup>th</sup> Meeting held on 09.09.2022 recommended as follows:

The committee recommended to seek clarification from the project proponent for not appearing/ presenting the proposal before SEAC. In case of non appearance the proposal will be recommended for delisting.

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## Case No. C-412

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

## A. Details of the Proposed Project are as under:

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

#### 3. Area Details:

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

#### 4. Water Details:

**During Construction Phase,** Total water requirement will be 30 KLD out of which 20 KLD portable water and 10 KLD for construction activities (which will be taken from treated water from STP). The wastewater (18 KLD) will be treated in mobile STP.

**During Operational Phase,** Total Water requirement of the project will be 239 KLD which will be met by 124 KLD of Fresh water from NDMC and 115 KLD of Treated water from in house STP. No groundwater will be extracted. Total Waste water generated

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from the project will be 152 KLD which will be treated in house STP of 2X150 KLD capacity. Treated Water from STP will be 144 KLD out of which 115 KLD treated water will be reused for Flushing (47 KLD), Gardening (57 KLD) Cooling (4 KLD), Filter Back Wash (5 KLD) ,Misc. (2 KLD) and the excess 29 KLD treated water will be used in nearby Green area. The project proponent has requested NDMC for water supply during operation phase.

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

#### 5. Solid Waste Details

**During Construction Phase,** Total solid waste generation will be 23 kg/day out of which 14 kg/day of Biodegradable waste will be given to Solid waste disposal site and 9 kg/day of non-biodegradable waste will be given to approved vendors.

During the Operation Phase, Total Solid waste generation of 954 kg/day is envisaged. Out of which 572 kg/day of biodegradable waste will be treated in organic waste converter and 191 kg/day of non-biodegradable waste & 191 kg/day of plastic waste will be given to authorized recyclers Additional 30 lit/month of used oil will be generated from the DG set which will be given to authorized recyclers.

#### 6. Power Details

**During Operation Phase,** Total Power requirement will be 3213 kW and will be met from NDMC. For Power Back up, DG sets of Capacity 3X810 KVA will be installed. Solar photovoltaic power panels of 270 KWp capacity (8.40 % of total power requirement) will be provided. The project proponent has requested NDMC for electricity supply to the project.

- 7. Parking Facility Details: Total Proposed Parking is 612 ECS.
- Eco-Sensitive Areas Details: Distance of Okhla Wildlife Sanctuary from project site is 10.80 Km, SE and from Asola Wildlife Sanctuary is 14.44 km, SE.
- 9. Plantation: Total green area proposed is 9371.710 sqm (35.93 % of plot area of phase I). There are 372 trees present at the site. Out of these, 125 trees are proposed to be retained and 247 trees are proposed to be transplanted. No. of tree plantation required (Plot Area of Phase I/80) is 326 nos. Total no. of trees to be (retained + planted) within project area is 330 (125+205) nos.
- 10. Cost Details: Total Cost of the project is Rs 482.80 Crores.

After due deliberations, the SEAC in its 113th Meeting held on 29.08.2022 decided to defer the case to the next forthcoming SEAC meeting due to paucity of time.

Regarding the Tree cutting/ transplantation permission, the project proponent has submitted a letter dated 25.04.2022 to the forest department, GNCTD along with a list of 372 trees present at site and list of 2470 trees to be planted as compensatory transplantation. The committee deliberated and discussed that tree requirement as per standard conditions of OM dated 04.01.2019 will be implemented in future.

During presentation PP informed that the Environment Management Cell consisting of 06 persons having specific knowledge and experience related to environmental safeguards/ air/ water pollution shall be created and made functional before commissioning of any of the proposed development as committed.

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Further during the presentation the project proponent assured that trees to be retained will be increased to 150 nos. and affected trees ( to be transplanted ) will be reduced to 222. The committee suggested that project proponent to maintain/ plant maximum nos. of trees within project site. The PP also committed that the transplantation will be done at a close by site which also has MP quarters where construction has been completed.

Project Proponent submitted the Capital and Recurring cost of EMP during presentation and assured to enhance nos. of RWH Pits.

# B. After due deliberations, the SEAC in its 114<sup>th</sup> Meeting held on 09.09.2022 recommended as follows:

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

- The project proponent shall obtain water supply permission/ assurance before start of construction of the project.
- The Project Proponent (PP) shall undertake compensatory plantation in the ratio of 1:10 after obtaining necessary clearance under Delhi Preservation of Trees Act, 1994.
- 3. The existing trees at the site are 372 nos out of which 150 nos will be retained at the site after amendment in the fire tender route and 222 nos. of trees will be transplanted. The PP shall make effort to plant maximum trees within the project site. Compensatory trees will be planted as per the permission to be obtained from forest department, GNCTD. Transplantation of 222 nos. of trees should be done preferably within the project site as far as possible and at nearby site as a second option. The PP has committed that the transplantation will be done at a close by site which also has MP quarters where construction has been completed. Tree transplantation shall be done with due adherence to the extant tree transplantation policies/ Tree Transplantation Policy 2020 in accordance with the permission of Forest Dept. of Govt. of NCT Delhi
- In tree plantation, preferably large shade-giving native trees should be planted and not
  just ornamental trees. Tree-pit size of 6'x6' to be ensured.
- 5. Rain water harvesting/ retention plan needs to be implemented taking into account the 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 storage capacity of min. 1 day of total fresh water requirement
- Rain water harvesting for Roof top, landscape & road & open area shall be done through enhanced 07 nos. of RWH pits as committed, which shall allow the water to be stored, and to percolate into the ground of combined capacity of 500 m3.
- 7. The green areas shall have appropriate surface slope with higher level ridges to direct the surface run-off towards the lowered planter beds. This will enhance natural percolation. Bio-swales type arrangements shall be done in green areas to further increase percolation of the rain water. Green areas will be lowered by 30 cm below ground level, so as to increase the green area water retention capacity on site.

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- Solar PV system shall be provided to meet 8.4% of the demand load during the operation phase as committed and efforts be made to increase upto 10%.
- The project will be equipped with low water flow and flush fixtures along with incorporation of efficient irrigation system & xeriscaping and shall achieve maximum reduction from the base case water consumption figures adopted in design.
- 10. Top soil of up to 20 cm shall be taken off and stock piled at a protected place. Natural growth of grass/ vegetation on such protected stockpiled soil shall be allowed. The area under which the excavated top soil will be stored, shall be barricaded and left undisturbed throughout the project construction. The preserved top soil shall be used for horticulture development/ plantation of the proposed vegetation on site.
- 11. PP shall provide electric charging points in parking areas for e-vehicles for at-least 20% of car parking. Given the rapid spread of EVs, especially in Delhi, The PP may also provide the conduits for future expansion of electrical charging points in majority of the parking spots.
- 12. The project proponent shall identify the nearby STP for supply of Treated water from STP during Construction Phase. PP is required to make arrangement for reusing the aforesaid treated water along with proper treatment mechanism for making this water fit for use in construction.
- 13. PP is required to identify the nearby Park for using the surplus treated water and make arrangements for connecting the same through fixed pipeline. Excess treated water from the STP after all assigned uses should be upgraded to CPCB Class A water quality after appropriate treatment for ground water recharge through recharge pits.
- 14. PP is required to obtain the power supply assurance from NDMC and copy of the same be submitted in first six monthly monitoring report.
- 15. The Environment Management Cell consisting of 06 persons having specific knowledge and experience related to environmental safeguards/ air/ water pollution shall be created and made functional before commissioning of any of the proposed development as committed.
- 16. Trees, green roofs, and vegetation shall be provided to reduce urban heat island effects by shading building surfaces upto possible extent, deflecting radiation from the sun, and releasing moisture into the atmosphere option of creating water bodies be explored.
- 17. 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.
- 18. During operation phase Flow Meters/ Sensors should be installed to monitor consumption of fresh water as well as treated water and data logger using IoT systems for these flow meters be maintained in a regular manner. Flow meters shall be installed at Inlet of STP, outlet of STP, inlet of flushing tanks, and reuse line for horticulture purposes and at the final outfall/ sewer connection maintained for emergency purposes. Calibration for all the Flow meters shall be maintained on quarterly basis.

19. Only LED lighting fixtures should be used.

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- 20. Green building norms should be followed with a minimum 3 star GRIHA/IGBC/ASSOCHAM GEM rating and Gold rating should be followed up.
- 21. Construction & Demolition waste should be disposed off at authorized C&D waste processing unit.
- 22. 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.
- 23. The Project Proponent should take measures for control of Dust Pollution during construction phase at project site as well as at lay down site as per MoEF&CC Notification No. GSR 94 (E) dated 25.01.2018/Hon'ble National Green Tribunal order in O.A. No.21 of 2014 and O.A. No. 95 of 2014 in the matter of Vardhaman Kaushik Vs. Union of India & others and Sanjay Kulshreshtha Vs Union of India & others, CAQM/CPCB/DPCC extant statutory orders/guidelines/directions issued time to time including registration on Dust Pollution Control Self-Assessment Portal with provision of video fencing and low cost sensors for monitoring PM 2.5, PM 10.
- 24. The project proponent should adhere to the cost of Environmental Monitoring as committed i.e. capital cost of Rs. 67 Lacs and recurring cost of Rs. 12.5 Lacs/ year during construction phase and Rs. 400 Lacs and recurring cost of Rs. 37.1 Lacs/ year during operation phase. The cost of Environment Management Plan should be distinctly allocated in the budget of the project and details of the same along with time frame of the implementation should be reported in six monthly monitoring reports.
- 25. 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.
- 26. 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.
- 27. 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.
- 28. 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.
- The PP shall provide toxic gas (Combustible gas, Carbon dioxide and Hydrogen sulphide, Methane, VOCs, Ammonia) detectors in and around STP area.
- 30. All sensor/meters based equipments should be calibrated on quarterly basis.

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- 31. Occupancy of the premises would be allowed only after getting Electric supply from concerned power supply agencies to restrict the use of generator sets.
- 32. The green building audit shall be done on annual basis since inception of the project. Further, the audit report shall be included in six monthly compliance report.
- 33. Project Proponent shall implement Tree Plantation Policy, 2020 as notified by Govt. of NCT of Delhi in letter and spirit which is to be monitored under the terms and conditions of tree cutting permission to be granted by Forest Department, Govt. of NCT of Delhi.
- 34. Project Proponent shall use recycled products manufactured in C&D Waste processing plants of NCT of Delhi or Municipal Corporation, Delhi as per suitability of required size and strength.
- 35. 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. Alternatively the diesel generator sets shall be operated as per extant directions of CPCB guidelines and shall not be operated with due compliances of directions issued under GRAP for Delhi & NCR.
- 36. The project proponent shall revisit the capacity of STPs in view of the fact the 1 STP of 200 KLD will suffice to take care of the waste water generation projected by PP. A confirmatory report in this regard shall be submitted in the first sixth monthly compliance report.
- 37. The PP shall implement suggestions recommended in the revised traffic study submitted during the presentation indicating the LOS category reduction from B to C.

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## Case No. C-415

Name of the Project	Development of Commercial Project at asset no. LP- 1B-01 Gateway District, Aerocity, Indira Gandhi Internationa Airport, New Delhi	
Project Proponent	Mr. Abhishek Jain, CCO, M/s Airport Land Development - Delhi International Airport Limited, New udaan Bhawan, Opp. Terminal 3, Indira Gandhi International Airport, New Delhi Delhi 110037	
Consultant	M/s IND TECH HOUSE CONSULT	
EIA Coordinator present during Meeting	Mr. Anand Kr. Dubey Mr. Soumya Dwivedi (EIA Coordinator) Ms. Supriti Duha	
Representative of PP present during Meeting	Mr. Sunil Dutta Dubey (Head Planning) Mr. Jeyaraj k. (ECBC)	
Proposal No.	SIA/DL/MIS/285061/2022	
File No.	DPCC/SEIAA-IV/C-415/DL/2022	

## A. Details of the Proposed Project are as under:

- The Proposal is for grant of EC for Development of Commercial Project at asset no. LP-1B-01, Gateway District, Aerocity, Indira Gandhi International Airport, New Delhi by M/s Airport Land Development - Delhi International Airport Limited.
- The Project is located at Latitude: Not mentioned; Longitude: Not mentioned.
- 3. Area Details:

The net Plot Area of the project is 18,351.35 sqm. The Proposed Total Built-up Area is 1,06,012.77 sqm. The Proposed FAR Area is 39280.11 sqm and Non FAR Area (including basement area) is 66732.66 sqm. The Proposed Ground Coverage is 9390.09 sqm. The total no. of Basements will be 4 nos. and the no. of Floors will be 4B+G+7. The total no of expected population is 6416 persons. The Max. Height of the building is 37.29 m.

### 4. Water Details:

During Construction Phase, Water requirement will be met through tanker water supply. Potable water will be sourced through tankers. Wastewater generated from construction site will be collected in a separate basin and will be reused after primary treatment from on-site mobile STP for sprinkling on roads. Mobile toilets and potable water facilities will be provided at site for labor and staff.

During Operational Phase, Total Water requirement of the project will be 335 KLD which will be met by 135 KLD of Fresh water from DIAL and 200 KLD of Treated water from in house STP (198 KLD from the on-site STP and 2 KLD additional treated water will be sourced from DIAL common STP). No groundwater will be extracted. Total

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Waste water generated from the project will be 208 KLD which will be treated in house STP of 250 KLD capacity. 200 KLD of treated water from STP will be reused for Flushing (100 KLD), Water for irrigation (4 KLD) Cooling Tower (96 KLD). Number of Rain Water Harvesting (RWH) Pit proposed is 12 nos.

#### 5. Solid Waste Details

**During Construction Phase,** Solid waste will comprise mainly of construction waste which will be reused within the site for various constructions filling work. Municipal waste from construction labors will be managed in compliance to the Waste Management Rules

During the Operation Phase, Total solid waste generated from project will be 1.64 TPD. Out of which 0.65 TPD will be Biodegradable Waste and 0.99 TPD will be Non-Biodegradable Waste. Solid wastes generated will be segregated into biodegradable and non-biodegradable components and collected in separate bins. The biodegradable wastes will be composted in an onsite composting unit and the manure will be used for landscaping. The non-biodegradable/ recyclable wastes will be disposed at designated site through authorized vendors. Dewatered/ dried sludge from STP (817 kg per day) will be used as manure in horticulture.

#### 6. Power Details

During Operation Phase, Total Power requirement will be 5587 kVA and will be supplied by BSES. For Power Back up, DG sets of Capacity 6750 KVA will be installed.

- 7. Parking Facility Details: Total Proposed Parking is 1141 ECS.
- 8. Eco-Sensitive Areas Details: Distance of Okhla Wildlife Sanctuary from project site is 18.68 Km, E and from Asola Wildlife Sanctuary is 13.4 km, SE.
- Plantation Details: The proposed Green Area is 1835 sqm. (9.99 % of plot area). Total
  no. of trees proposed is 235 nos. There are 16 nos. of trees present at site and necessary
  permissions shall be obtained from Govt. of Delhi for tree removal before start of
  construction.
- 10. Cost Details: Total Cost of the project is Rs. 400 Crores.

The PP during the presentation informed that during the construction phase 12 KLD of treated water will be used for construction activity.

During presentation PP informed about the Environment Management Cell with 1 Environment Executive reporting to DIAL Environment Cell for implementing environmental safeguards of the project.

During presentation PP informed about the Capital and Recurring cost of EMP with inclusion of cost of environmental monitoring during construction phase.

The project proponent during presentation informed that out of 16 trees, 03 trees shall be retained and rest shall be transplanted.

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## B. After due deliberations, the SEAC in its 114th Meeting held on 09.09.2022 recommended as follows:

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

- 1. The DIAL shall ensure the water supply to the project before start of construction of the project from its own sources.
- 2. The Project Proponent (PP) shall undertake compensatory plantation in the ratio of 1:10 after obtaining necessary clearance under Delhi Preservation of Trees Act, 1994.
- 3. In tree plantation, preferably large shade-giving native trees should be planted and not just ornamental trees. Tree-pit size of 6'x6' to be ensured.
- 4. Rain water harvesting/ retention plan needs to be implemented taking into account the 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 storage capacity of min. 1 day of total fresh water requirement
- 5. Rain water harvesting for Roof top, landscape & road & open area shall be done through min. 12 Nos. of RWH pits of total capacity of 636.48 m3 as committed, which shall allow the water to be stored, and to percolate into the ground.
- 6. The green areas shall have appropriate surface slope with higher level ridges to direct the surface run-off towards the lowered planter beds. This will enhance natural percolation. Bio-swales type arrangements shall be done in green areas to further increase percolation of the rain water. Green areas will be lowered by 30 cm below ground level, so as to increase the green area water retention capacity on site.
- 7. Solar PV system shall be provided to meet atleast 2% of the demand load during the operation phase as committed.
- 8. The project will be equipped with low water flow and flush fixtures along with incorporation of efficient irrigation system & xeriscaping and shall achieve maximum reduction from the base case water consumption figures adopted in design.
- 9. Top soil of up to 20 cm shall be taken off and stock piled at a protected place. Natural growth of grass/ vegetation on such protected stockpiled soil shall be allowed. The area under which the excavated top soil will be stored, shall be barricaded and left undisturbed throughout the project construction. The preserved top soil shall be used for horticulture development/ plantation of the proposed vegetation on site.
- 10. PP shall provide electric charging points in parking areas for e-vehicles for at-least 20% of car parking.
- 11. PP is required to make arrangement for reusing the STP treated water along with proper treatment mechanism for making this water fit for use in construction.
- 12. PP is required to obtain the power supply assurance from BSES and copy of the same be submitted in first six monthly monitoring report.
- 13. The Environment Management Cell consisting of 1 Environment Executive reporting to DIAL Environment Cell for implementing environmental safeguards of the project shall be created.

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- 14. Trees, green roofs, and vegetation shall be provided to reduce urban heat island effects by shading building surfaces upto possible extent, deflecting radiation from the sun, and releasing moisture into the atmosphere. Impacts of the proposed construction on creation of heat island effect shall be minimized. Option of creating water bodies should be explored.
- 15. 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 at least 10 m above ground water table.
- 16. During operation phase Flow Meters/ Sensors should be installed to monitor consumption of fresh water as well as treated water and data logger using IoT systems for these flow meters be maintained in a regular manner. Flow meters shall be installed at Inlet of STP, outlet of STP, inlet of flushing tanks, and reuse line for horticulture purposes and at the final outfall/ sewer connection maintained for emergency purposes. Calibration for all the Flow meters shall be maintained on quarterly basis.
- Only LED lighting fixtures should be used.
- 18. Green building norms should be followed with a minimum 3 star GRIHA/IGBC/ASSOCHAM GEM rating and Gold rating should be followed up.
- Construction & Demolition waste should be disposed off at authorized C&D waste processing unit.
- 20. 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.
- 21. The Project Proponent should take measures for control of Dust Pollution during construction phase at project site as well as at lay down site as per MoEF&CC Notification No. GSR 94 (E) dated 25.01.2018/Hon'ble National Green Tribunal order in O.A. No.21 of 2014 and O.A. No. 95 of 2014 in the matter of Vardhaman Kaushik Vs. Union of India & others and Sanjay Kulshreshtha Vs Union of India & others, CAQM/CPCB/DPCC extant statutory orders/guidelines/directions issued time to time including registration on Dust Pollution Control Self-Assessment Portal with provision of video fencing and low cost sensors for monitoring PM 2.5, PM 10.
- 22. The project proponent should adhere to the cost of Environmental Monitoring as committed i.e. capital cost of Rs. 27.83 Lacs and recurring cost of Rs. 13.49 Lacs/ year during construction phase and Rs. 292.02 Lacs and recurring cost of Rs. 50.53 Lacs/ year during operation phase. The cost of Environment Management Plan should be distinctly allocated in the budget of the project and details of the same along with time frame of the implementation should be reported in six monthly monitoring reports.
- 23. 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

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- the provisions of the relevant provisions of the extant MPD-2021, Building Control Regulations and Safety Regulations.
- 24. 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.
- 25. 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.
- 26. 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.
- 27. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/ reused for flushing, HVAC and gardening.
- 28. The PP shall provide toxic gas (Combustible gas, Carbon dioxide and Hydrogen sulphide, Methane, VOCs, Ammonia) detectors in and around STP area.
- 29. All sensor/meters based equipments should be calibrated on quarterly basis.
- 30. Occupancy of the premises would be allowed only after getting Electric supply from concerned power supply agencies to restrict the use of generator sets.
- 31. The green building audit shall be done on annual basis since inception of the project. Further, the audit report shall be included in six monthly compliance report.
- 32. Project Proponent shall use recycled products manufactured in C&D Waste processing plants of NCT of Delhi or Municipal Corporation, Delhi as per suitability of required size and strength.
- 33. The PP shall explore the installation of gas based generator sets as a first option, hybrid generator sets (with 70 % gas based fuel and 30 % diesel) as a second option. Alternatively the diesel generator sets shall be operated as per extant directions of CPCB guidelines regarding the equipping of Retro Fitted Emission Control Devices (RECD) and shall be operated with due compliances of directions issued under GRAP for Delhi & NCR.
- 34. Excess treated water from the STP after all assigned uses should be upgraded to CPCB Class A water quality after appropriate treatment for ground water recharge through recharge pits.

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## Case No. C-411

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

## A. Details of the Proposed Project are as under:

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

#### 3. Area Details:

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

#### 4. Water Details:

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

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

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

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

#### 5. Solid Waste Details

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

During the Operation Phase, Total solid waste generated from project will be 1.87 TPD. Out of which 1.11 TPD will be Biodegradable waste and 0.76 TPD will be Non-Biodegradable waste. Solid wastes generated will be segregated into biodegradable and non-biodegradable components and collected in separate bins. The biodegradable wastes will be composted in an onsite composting unit and the manure will be used for landscaping. The non-biodegradable/recyclable wastes will be disposed at designated site through authorized vendors.

#### 6. Power Details

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

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

- Parking Facility Details: Total Proposed Parking is 125 ECS (16 ECS space parking and 109 ECS basement/upper floors).
- Eco-Sensitive Areas Details: Distance of Okhla Wildlife Sanctuary from project site is 17.5 Km and from Asola Wildlife Sanctuary is 19.6 km.
- 9. Plantation Details: The proposed Green Area is 1279 sqm. (15.15 % of plot area). The Project site has 87 nos. of trees out of which 67 nos. of trees will be cut/ transplant with prior permission from the forest department. Total no. of trees proposed is 110 nos.
- 10. Cost Details: Total Cost of the project is Rs 102.28 Crores.

During presentation the PP clarified the revised tree figures and submitted information that 89 trees are existing at site out of which 69 trees will either be cut or transplanted.

After due deliberations, the SEAC in its 113th Meeting held on 29.08.2022 decided to defer the case to the next forthcoming SEAC meeting due to paucity of time.

B. After due deliberations, the SEAC in its 114<sup>th</sup> Meeting held on 09.09.2022 recommended as follows:

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

- Building Plan approval from competent authority and revised Delhi Fire Service clearance with revised tree planning
- 2. Water assurance from DDA/DJB/NDMC/DCB including the following details:
  - Water assurance specifying the quantity of water to be supplied to the project.

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- · Total water supply availability as per approved scheme of the command area in which the project is proposed to be developed.
- The quantity of water already committed and after the quantity of water allotted to the project, the balance water available.
- 3. Assurance for supply of Treated water from STP 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.
- 4. PP is required to submit provisions of necessary infrastructure and facilities made for construction labors at site such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical healthcare, crèche etc.
- 5. PP is required to identify the nearby Park for using the surplus treated water and submit the proposal for connecting the same through fixed pipeline.
- 6. Provision for Rainwater collection tank of storage capacity of min. 1 day of total fresh water requirement along with layout and location plan.
- 7. Provision for organic waste compost/ vermiculture pit/ organic waste convertor (OWC) within premises with minimum capacity of 0.3 Kg/person/day.
- 8. PP is required to submit power supply assurance from BSES.
- Provision for electric charging of the e-Vehicles as per Building Bye Laws.
- Basis of ECS proposed needs to be justified.
- 11. An existing tree inventory with species and girth of each tree may be prepared, along with a baseline green area map, showing all trees - (a) trees to be retained, (b) trees to be removed due to building ground coverage, (c) trees to be removed due to additional paved area (d) trees to be transplanted, minimum 80% of the effected trees are required to be transplanted. Attempt may be made to increase the trees to be retained.
- 12. Revised cost of EMP needs to be submitted as the same has not been found realistic. PP is required to submit the Capital and Recurring cost of EMP with inclusion of cost of environmental monitoring during construction & operation phase.
- 13. Specify name and numbers of the post to be engaged by the proponent for implementation and monitoring of environmental parameters.
- 14. 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 low cost sensors for monitoring PM 2.5, PM 10.
- 15. 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.
- Approval of Building Height from Airport Authority of India.
- 17. Sludge generation projections from STP needs to be revisited and solid waste generation figures.

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## Table Agenda:

## Case No. C-374

Name of the Project	EC for DLF Commercial Complex at 1 E Jhandewalan Extension, New Delhi	
Project Proponent	Rajeev Singh, Executive Director, M/s DLF Limited, DLF Centre, SansadMarg, New Delhi,,Karol Bagh,Central,Delhi-110001	
Proposal No.	SIA/DL/MIS/68705/2021	
File No.	DPCC/SEIAA-IV/C-374/DL/2021	

After due deliberations, the SEAC in its 110<sup>th</sup> Meeting held on 08.08.2022 recommended to defer the case for further consideration with a liberty to submit additional document/information if any.

Project proponent (M/s DLF Limited) has submitted an offline representation dated 01.09.2022 received on 02.09.2022 and informed that they have approached the reputed R&D accredited Institute i.e. CSIR-NEERI, Nagpur for conducting study of "Dewatering Assessment Report" so that it can be acceptable by Competent Authority and it is proposed to complete the entire study by NEERI will take 5-6 weeks. PP also requested to kindly give 6-7 weeks to submit the "Dewatering Assessment Report" along with other additional information the PP however has not uploaded its response on PARIVESH Portal.

The committee recommended to inform the PP to submit its suitable response on PARIVESH Portal along with the categorical information about the disposed mechanism to be followed for dewatering.

Meeting ended with thanks to the chair.

Chairman

(Pankaj Kapil)

Member Secretary

(Surinder Kumar Juneja)

Member

Chetan Agarwal

Member

(Gopal Mohan)

Member

(Ankit Srivastava)

Member

(Pranay Lal)

Member