



File No:
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Dated 16/11/2024



To,

Mr. Dilip Kumar Mittal
M/s AMBITION HOMES PRIVATE LIMITED
301, 3rd floor, Ambition Ram Square, New Dakbungalow Road, Jamal Road Corner, Patna - 800 001
Bihar, Patna, PATNA, BIHAR, 800001
ambitionhomes@yahoo.com

Subject: **Proposed Group Housing Project at Plot No. Pkt- 02(B) Pocket-2/ Block-B Sector - 32, Rohini, Delhi by M/s Ambition Homes Private Limited – For Grant of Environmental Clearance - reg.**

Sir/Madam,

This is in reference to your application for Grant of EC under the provision of the EIA Notification 2006-regarding in respect of project PROPOSED GROUP HOUSING, PROJECT AT PLOT NO. PKT-02(B) POCKET-2/ BLOCK-B SECTOR - 32, ROHINI, DELHI submitted to Ministry vide proposal number IA/DL/INFRA2/460533/2024 dated 02/03/2024.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24C3801DL5273719N
(ii) File No.	
(iii) Clearance Type	EC
(iv) Category	B2
(v) Project/Activity Included Schedule No.	8(a) Building / Construction
(vi) Sector	INFRA-2
(vii) Name of Project	PROPOSED GROUP HOUSING, PROJECT AT PLOT NO. PKT-02(B) POCKET-2/ BLOCK-B SECTOR - 32, ROHINI, DELHI
(viii) Name of Company/Organization	AMBITION HOMES PRIVATE LIMITED
(ix) Location of Project (District, State)	NORTH WEST, DELHI
(x) Issuing Authority	MoEF&CC
(xii) Applicability of General Conditions	no
(xiii) Applicability of Specific Conditions	no

3. The project/activity is covered under item 8(a) 'Building and Construction Projects' of the Schedule to the EIA

Notification, 2006 as amended, and requires appraisal at the State level. However, due to the temporary absence of SEIAA/SEAC in Delhi. This proposal was transferred by SEIAA, Delhi to the Ministry as per the provisions of the OM No. IA3-22/10/2022-IA.III [E 177258] dated 02.08.2023 for appraisal at the Central level by sectoral EAC.

4. Accordingly, the above-mentioned proposal for Environmental Clearance has been examined by the Expert Appraisal Committee (Infra-2) in its 131st meeting held on 30th September - 1st October, 2024.

5. The details of the project, as per the application form, documents submitted by the project proponent, and also as informed during the aforesaid meeting of EAC, are provided below for reference:

- i. The project is located at 28°44'16.78" N Latitude and 77°4'24.25" E longitude.
- ii. The project is Proposed Group Housing, Project at Plot No. PKT- 02(b) Pocket-2/ Block-B Sector -32, Rohini, Delhi.
- iii. The Project was recommended by SEAC, Delhi in 141st Meeting of SEAC held on 07.03.2024
- iv. The total plot area is 7530 sqm, FAR area is 17752.52 sqm and total Built-up area of 48538.07 sqm. The project will comprise of 4 Nos. Building blocks. Maximum height of the building is 110.5 m.

S. No.	Description	Particulars	Unit
GENERAL			
1	Plot Area	7,530	sq. m
2	Proposed Built-Up Area	48,538.07	sq. m
3	Number of Building Blocks (3 Res.+1 Club)	4	NOS
4	Total no of Saleable DU's (112 Saleble+57 EWS)	169	NOS
5	Max Height of Building (Upto Mumty Machine rm.)	110.5	M
6	Max No of Floors	2B+St.+29	NOS
7	Cost of Project	104.15	CR
8	Expected Population	1,242	PERSONS
9	Permissible Ground Coverage Area (@33.3%)	2,507.49	sq. m
10	Proposed Ground Coverage Area	1,151.82	sq. m
11	Permissible FAR Area	15,460	sq. m
12	Proposed FAR Area	17,752.52	sq. m
13	Proposed NoN FAR Area	30,785.55	sq. m
14	Proposed Built Up Area	48,538.07	sq. m
WATER			
15	Total Water Requirement	112	KLD
16	Fresh water requirement	69	KLD
17	Waste water Generation	80	KLD
18	Proposed STP Capacity	100	KLD
19	Treated Water Available for Reuse	77	KLD
20	Recycled Water	43	KLD
21	Surplus Treated water	34	KLD
RAIN WATER HARVESTING			
22	Rain water collection tank capacity	260	CUM
PARKING			
23	Total Parking required	271	ECS
24	Total Proposed Parking	279	ECS
25	Proposed Basement 1 Parking	134	ECS
26	Proposed Basement 2 Parking	127	ECS
27	Proposed Surface and Stilt	18	ECS
GREEN AREAS			
28	Required Green Area (16.65%of Plot Area)	1,253.745	sq. m
29	Proposed Green Area (30.41 % of Plot Area)	2,289.94	sq. m
WASTE GENERATION			
30	Municipal Solid Waste Generation	0.53	TPD

31	Bio Degradable waste	0.21	TPD
32	Quantity of Sludge Generated from STP (Dry)	7.00	KG/DAY
POWER			
33	Total Power Requirement	1,438.00	kW
34	DG set backup	1,820	KVA
35	SPV	72	kWp

v. During Construction Phase Total water requirement will be 20.3 KLD. Freshwater requirement will be 6 KLD for drinking purpose and 4.8 KLD for anti-smog gun which will be met from municipal water supply. Treated water requirement from STP will be 3.5 KLD for toilet flushing at site and 6 KLD for construction work.

vi. During operational phase, total water demand of the project is expected to be 112 KLD and the same will be met by 69 KLD fresh water from Delhi Jal Board and 43 KLD Recycled Water from. Wastewater generated (80 KLD) will be treated in 01 STP of total 100 KLD capacity. 43 KLD of treated wastewater will be recycled and reused (25 KLD for flushing, 7 KLD for gardening, DG cooling 11 KLD etc.). 34 KLD will be used for green area of nearby sector park.

vii. About 530 kg/day solid waste will be generated in the project. The biodegradable waste 210 kg/day will be processed in OWC and the non-biodegradable waste generated 320 kg/day will be handed over to authorized local vendor.

viii. The total power requirement during construction phase will be met from Tata Power Delhi Distribution Limited through temporary connection and in case of power failure during construction phase DG set of 125 KVA will be provided and total power requirement during operation phase is 1,438 KW and will be met from Tata Power Delhi Distribution Limited.

ix. RWH Tanks from roof top area of 260 cum will be provided.

x. Parking facility for 279 ECS is proposed to be provided against the requirement of 271 ECS (according to local norms).

xi. Proposed energy saving measures will be adopted as per norms

xii. Details of impact of proposed project/activity on Air, Water, Noise, Ecology and proposed mitigation measures have been covered in complete report.

xiii. The proposed project is not located in Critically Polluted Area

xiv. The proposed project is not located within 10 Km radius of Ecologically Sensitive Area.

xv. No NBWL Clearance is required for the project

xvi. No Forest clearance is required for the project

xvii. No court cases are pending against the project

xviii. Green belt development and Details of tree felling/transplantation: - The project site is vacant land having no tree. The proposed green area is 2289.94 sq. m out of which pervious green area is 1433.78 sq. m and non-pervious area will be 856.16 sq. m. Total no. of proposed trees is 95 nos. within project site.

xix. Undertaking to the effect that no activity has since been taken up: - Affidavit in this regard has been submitted.

xx. The total cost of the project is Rs. 104.51 Crore

xxi. Employment potential: The project will lead to development of the area by providing employment of the local people during construction and operation phase.

xxii. Benefits of the project: The project will lead to overall development of the area.

6. Earlier, this project was considered by the State Level Expert Appraisal Committee (SEAC), Delhi in its 141st SEAC meeting held on 07.03.2024. The committee recommended this project for granting EC with specific conditions and general conditions and forwarded it to SEIAA, Delhi. Due to the temporary absence of the SEIAA, Delhi, this proposal was transferred to the Ministry for further necessary actions. Based on the above, this proposal was considered by the EAC.

7. The committee has noted that the total plot area is 7,530 sq. m and the proposed total built-up area is 48,538.07 sq. m. The proposed green belt area is 2,289.94 sq. m which is 30.41% of the total plot area. The committee has directed, the project proponent to increase the number of plants for the plantations. The committee has observed that the proposed project does not involve any forest land diversion, wildlife clearance, or CRZ clearance and no litigation is pending against the proposed project.

8. The committee observed instant project has been recommended by SEAC/SEIAA- Delhi earlier after the due appraisal process. It was observed that the land has been allotted by DDA for development of Group Housing project. Further, no wildlife sanctuary is present within 10 km radius of the proposed project. While deliberating development of greenbelt, it was desired that PP shall plant at least 100 nos of local species along the boundary of the project. Traffic Analysis during

evening peak hour has been conducted through Bhagwan Mahavir Marg. EAC desired that strict control measures shall be adopted during construction period to mitigate the impact of construction. GRAP guidelines for Delhi/NCR shall be strictly followed by project proponent.

9. The EAC, based on the information submitted and clarifications provided by the Project Proponent and detailed discussion held on all the issues, recommended granting Environmental Clearance to the proposed project, under the provisions of EIA Notifications, 2006 and its amendments therein, subject to the following specific conditions and other Standard EC Conditions as specified by the Ministry vide OM dated 04.01.2019 for the said project/activity.

10. Based on recommendations of EAC, the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the Proposed Group Housing Project at Plot No. Pkt- 02(B) Pocket-2/ Block-B Sector - 32, Rohini, Delhi by M/s Ambition Homes Private Limited, under the provisions of EIA Notifications, 2006 and its amendments therein, subject to the following specific conditions, additional and other Standard (General) EC Conditions as specified by the Ministry vide OM dated 04.01.2019 for the said project/activity are enclosed as **Annexure 1** and **Annexure 2**.

11. This issues with the approval of the Competent Authority.

Copy To

1. The Principal Secretary, Environment Department, Government of Delhi, 6th Level, C-Wing, IP Estate, Delhi Secretariat, Delhi – 110 002.
2. Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office, Kendriya Bhawan, 5th Floor, Sector 'H', Aliganj, Lucknow – 226 020.
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi – 110 032.
4. The Member Secretary, Delhi Pollution Control Committee, Building, 6th floor, C wing, Delhi Secretariat, I P Estate, Delhi – 110 002.
5. Monitoring Cell, MoEF&CC, Indira Paryavaran Bhawan, New Delhi.
6. Guard File/ Record File/ Notice Board/MoEF&CC website.

Annexure 1

Specific EC Conditions for (Building / Construction)

1. Specific Condition

S. No	EC Conditions
1.1	The project proponent should adhere to the Cost of Environmental Monitoring as committed i.e. capital cost of Rs. 53.75 Lacs and recurring cost of Rs. 12.31 Lac/yr during construction phase and capital cost of Rs. 331.27 Lacs and recurring cost of Rs. 80.03 Lacs/ year during operation phase.
1.2	The Environmental Clearance to the project is primarily under provisions of EIA Notification, 2006. The Project Proponent is under obligation to obtain approvals/clearances under any other Acts/Regulations or Statutes as applicable to the project.
1.3	PP shall develop green area of 30.41% i.e for an area of 2289.94 Sq. m. Peripheral plantation along the boundary shall be completed prior to the start of construction. Green belt development surrounding the campus, avenue tree planting and garden development should commence from the beginning of the construction phase. Only indigenous species should be used for green belt and avenue trees.

S. No	EC Conditions
1.4	The proponent shall be responsible for undertaking the operation and maintenance of common facilities like STP, OWC, Green belt development, Solar, Rainwater Harvesting, and other such amenities provided within the project site for a period of 5 years after handed over to the bona fide Residential Welfare Association or any other such association and also for completing the formalities related to the transfer of environmental clearance to the bona fide Residential Welfare Association and when required.
1.5	Proponent shall ensure that requirements of accessibility particularly universal accessibility and more particularly pedestrian requirements are provided. Street and road sections should have a mandatory provision of cross-section elements and footpaths so as to minimise the shift from walk mode to vehicular mode to have the least impact on energy and the environment.
1.6	The project proponent shall ensure that there is more than one entry /exit from different directions however it should be checked that it does not create road safety hazards.
1.7	Treated water of DJB STP should be used for construction purposes with tertiary treatment of treated water of DJB STP to ensure it is fit for construction use.
1.8	Bills/Receipt issued by DJB against purchase of treated water from STP should be part of six monthly EC compliance report. Bills issued by private agency for supply water will not be sufficient.
1.9	Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/ reused for flushing, gardening, cooling etc.
1.10	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.
1.11	The project proponent shall adhere to the total water requirement – 112 KLD, Fresh water requirement – 69 KLD, Treated water requirement –43 KLD shall be used for reuse & recycling in Flushing (25 KLD), DG Cooling (11 KLD), Horticulture (7 KLD). Excess treated water of STP i.e. 34 KLD should be discharged only to the nearby parks/ water bodies with the permission of the competent authority.
1.12	As proposed, fresh water requirement shall not exceed 69 KLD. Occupancy Certificate shall be issued only after getting necessary permission for required water supply from DDA/DJB/ concerned Authority.
1.13	During construction phase, only drinking water required by the labourers and the other fresh water requirement for Anti-Smog Gun is allowed to be supplied through tankers.
1.14	Atleast 7.5 % of the total power load to be sourced from Solar (Renewable) energy.
1.15	Rain water storage tank of capacity of min. 1 day of total fresh water requirement shall be provided.

S. No	EC Conditions
1.16	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.
1.17	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.
1.18	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.
1.19	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.
1.20	The generator sets shall be installed as per extant directions of CPCB/ CAQM with due compliances of directions issued under GRAP for Delhi & NCR.
1.21	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.
1.22	The Environment Management Cell under Director consisting of Senior Environmental expert and Junior Environmental expert shall be created and made functional before commissioning of the proposed development.
1.23	Green building norms should be followed with a minimum 4 star GRIHA/IGBC/ASSOCHAM-GEM rating.
1.24	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.
1.25	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.
1.26	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,

S. No	EC Conditions
	PM 10. At least 04 Anti-Smog Gun shall be installed before starting the construction.
1.27	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.
1.28	There will be no transportation of soil outside the site.
1.29	Construction activities will be allowed only during day-time period.
1.30	Energy audit shall be carried out periodically to review energy conservation measures.
1.31	Climate responsive design as per Green Building Guidelines in practice should be ensured to the maximum extent.
1.32	Heat Mitigation building level should be used to mitigate the heat island effect and ambient temperature should not be effected due to the development.
1.33	Exposed roof area and covered parking should be covered with material having high solar reflective index.
1.34	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.
1.35	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.

Additional EC Conditions

- i. Project Proponent shall strive to enhance the Green Belt beyond 30.41 % and that the trees planted in this regard would be planted under the campaign "एक_पेड़_माँ_के_नाम" and the details of the trees planted would be uploaded on the portal <https://merilife.nic.in>.
- ii. To adopt strict air pollution control measures during the construction period to mitigate the impact of air pollution construction.
- iii. The project proponent is to strictly follow the GRAP guidelines for Delhi/NCR.

B. General Conditions

I. Statutory compliance

- (i) The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- (ii) The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of fire fighting equipment etc as per National Building Code including protection measures from lightening etc.
- (iii) The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.
- (iv) The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- (v) The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.
- (vi) The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.
- (vii) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- (viii) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- (ix) The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste Management Rules, 2016, shall be followed.
- (x) The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.

II. Air quality monitoring and preservation

- (i) Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
- (ii) A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.

- (iii) The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5}) covering upwind and downwind directions during the construction period.
- (iv) Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- (v) Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
- (vi) Sand, murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- (vii) Wet jet shall be provided for grinding and stone cutting.
- (viii) Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
- (ix) All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Management Rules 2016.
- (x) The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- (xi) The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- (xii) For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water quality monitoring and preservation

- (i) The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.

- (ii) Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- (iii) Total fresh water use shall not exceed the proposed requirement as provided in the project details.
- (iv) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- (v) A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- (vi) At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- (vii) Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- (viii) Use of water saving devices/fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- (ix) Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- (x) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- (xi) Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
- (xii) A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
- (xiii) All recharge should be limited to shallow aquifer.
- (xiv) No ground water shall be used during construction phase of the project.
- (xv) Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.

- (xvi) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- (xvii) Sewage shall be treated in the STP with tertiary treatment.
- (xviii) No sewage or untreated effluent water would be discharged through storm water drains.
- (xix) Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
- (xx) Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- (xxi) Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

IV. Noise monitoring and prevention

- (i) Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.
- (ii) Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- (iii) Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

V. Energy Conservation measures

- (i) Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
- (ii) Outdoor and common area lighting shall be LED.
- (iii) Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting

design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.

- (iv) Energy conservation measures like installation of CFLs/LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
- (v) Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
- (vi) Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

VI. Waste Management

- (i) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
- (ii) Disposal of muck during construction phase shall not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- (iii) 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.
- (iv) Organic waste compost/Vermiculture pit/Organic Waste Converter within the premises with a minimum capacity of 0.3 kg/person/day must be installed.
- (v) All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
- (vi) Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- (vii) Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
- (viii) Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
- (ix) Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.

- (x) Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.

VII. Green Cover

- (i) No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
- (ii) A minimum of 1 tree for every 80 sq. m of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
- (iii) Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- (iv) Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

VIII. Transport

- (i) A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
 - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - b. Traffic calming measures.
 - c. Proper design of entry and exit points.
 - d. Parking norms as per local regulation.
- (ii) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- (iii) A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 5 Km radius of the site in

different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

IX. Human health issues

- (i) All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- (ii) For indoor air quality the ventilation provisions as per National Building Code of India.
- (iii) Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- (iv) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- (v) Occupational health surveillance of the workers shall be done on a regular basis.
- (vi) A First Aid Room shall be provided in the project both during construction and operations of the project.

X. Miscellaneous

- (i) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
- (ii) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- (iii) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- (iv) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- (v) The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/ wildlife norms/conditions. The company shall have

defined system of reporting infringements/deviation/violation of the environmental/ forest/wildlife norms/conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

- (vi) A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
- (vii) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report
- (viii) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- (ix) The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- (x) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- (xi) The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during their presentation to the Expert Appraisal Committee.
- (xii) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change (MoEF&CC).
- (xiii) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- (xiv) The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- (xv) The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- (xvi) The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data/information/monitoring reports.
- (xvii) The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986,

Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.

- (xviii) Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

