

<b>Project Name</b>	Group Housing Colony	<b>June 2024</b>
<b>Project Proponent</b>	M/s Aviana Green Estates Private Limited	
<b>Project Address</b>	Sector-103, Gurugram, Haryana	

## POST ENVIRONMENTAL COMPLIANCE STATUS

**Name of the project:** Group Housing Colony

**EC letter no.:** SIA/HR/INFRA2/413200/2023 dated 09/06/2023

**Project Status:** Construction Phase

**Compliance of conditions as mentioned in the EC letter**

S. No.	EC letter Conditions	Status of Compliance
<b>A. Specific Conditions:</b>		
1.	Sewage shall be treated in the STP based on latest Technology to achieve standards ordered by NGT/CPCB/HSPCB. The Treated effluent from STP shall be recycled/reused for flushing, DG cooling and Gardening	Noted. Project is in the initial phase of construction. STP of capacity 200 KLD will be installed at the applicable stage of the project before the project is operational. Treated water generated from STP will be utilized for flushing, DG cooling and Gardening.
2.	The Project Proponent would devise a monitoring plan to the satisfaction of the State Pollution Control Board so as to continuously monitor the treated waste water being used for flushing in terms of fecal coli forms and other pathogenic bacteria.	Noted. Condition pertains to operational phase. This will be complied. Currently the project is in the construction phase.
3.	The PP shall ensure that total EMP Budget shall be spent on project during construction as well as during operational phase as per table given above. The EMP cost on Socio Economic activities shall be used before the commencement of the project & EMP recurring inside the project shall be implemented throughout the operation of the project. The PP shall establish Environment monitoring cell as per documents submitted.	Noted. EMP is being followed as per the plan submitted in proposal for Environmental Clearance and attached as an <b>Annexure-X</b> .
4.	The project proponent shall upload the status of compliance of the basic details (given in above tables), stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Noted. The same will be uploaded after the submission of 1st six monthly compliance report submission.

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5.	The Project Proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.	Noted. Condition pertains to operational phase. Currently the project is in the construction phase.
6.	Separate wet and dry bins must be provided in each unit and at ground level for facilitating segregation of waste. Solid Waste shall be segregated into wet garbage and inert materials. Wet Garbage shall be composted in Organic waste convertor. Adequate area shall be provided for solid waste management within the premises which will include area for segregation, composting. The Inert waste from the project will be sent to solid waste dumping site through authorized vender.	Currently the project is in initial constructions phase. Separate area will be earmarked for the collection and segregation of waste. Non-biodegradable waste will be handed over to authorized vendor.
7.	Traffic management plan as submitted shall be implemented in letter and spirit. Apart, 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 marinated and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habilitation being carried out or purpose to be carried out by the project or other agencies in this 05kms radius of the site in different scenarios of space and time	During operational phase Internal roads will be constructed as per traffic management plan. Separate entry and exit gates will be provided to avoid the traffic congestion. Parking area will be provided within the site to minimize the traffic load outside the project site. Internalized parking has been provided during the construction phase also. Site plan marked with parking space is attached as <b>Annexure-VI.</b>
8.	PP shall develop & maintain 26.44% of the Plot area as Green Area i.e. 4481.04 Sqms as offered in the proposal and the same shall not be reduced/ modified or put to any	Agreed. Green area will be developed as marked in the approved site plan. Currently the project is in the construction phase.

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	other use / purpose. Further, PP shall make efforts to develop Miyawaki Forest in all four corners of the Project Area.	
9.	The PP shall develop Miyawaki Forest outside the project boundary & surrounded area as specified in the EMP budget.	Noted. The Miyawaki Forest will be developed as per the landscape plan submitted in the proposal. The landscape plan has been attached as an <b>Annexure-VIII</b> .
10.	Solar, wind Energy or other Renewable Energy shall be installed to meet electricity generation equivalent to 6 to 10% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.	As mentioned in the proposal, solar roof top grid will be provided for energy conversation.
11.	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.	All necessary clearances have been obtained from the competent authorities. <ul style="list-style-type: none"> <li>• Clearance from Airport authority of India has been obtained and is attached as <b>Annexure-III</b>.</li> <li>• Forest NOC is attached as <b>Annexure-IV</b>.</li> <li>• All the construction work has been initiated as per building bye laws.</li> </ul>
12.	Consent to establish/operate for the expansion project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of pollution) Act, 1981 and the Water (Prevention and control of pollution) Act, 1974.	Currently the project is in construction phase. Consent to Establish NOC has been obtained from HSPCB vide letter No. HSPCB/Consent/ : 329962323GUNOCTE42701377 dated 01/09/2023 is attached as <b>Annexure-I</b> .
13.	The Approval of the Competent Authority shall be obtained for structural safety of building code due to earthquakes, adequacy of fire fighting equipments etc. as per National Building Code including protection measures from lightening etc.	The project site falls in seismic zone IV as per seismic zoning map by BIS. The structure of the project is earthquake resistant & is designed as per NBC Norms. Structure Stability certificate is attached as <b>Annexure-V</b> .
14.	The PP shall not carry any construction above or below the Revenue Rasta, if any.	The condition is not applicable for the project as no Revenue Rasta passes from the project site.
15.	The PP shall keep the ROW below the HT Line passing through the project, if any.	The condition is not applicable for the project as no HT line passes from the project site.

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16.	The PP shall obtain the Fire NOC from the Competent Authority before taking occupation of the building.	Noted.
17.	The PP shall install the Eco Friendly Green Transformer based on ester oil to reduce the carbon footprint. The PP shall shift to gas based generator set when the gas is available. The PP shall install APCM for the DG set. The PP shall reduce the SO2 load by 30% if HSD is used. The DG sets will be operated for maximum 04 hours during power failure through Executing Agency.	Condition pertains to operational phase. Currently the project is in the construction phase.
18.	The PP shall not give occupation or possession before the water supply, electricity and sewage connection permitted by the competent authority	Noted and Agreed.
19.	The PP shall carry out the quarterly awareness programs for the stakeholders of the commercial colony/project	Noted. This will be followed.
20.	06 Rain water harvesting recharge pits shall be provided for ground water recharging as per the CGWB norms	Noted. It will be constructed as per the approved site plan and will be maintained as per the norms. Mosaic Plan has been submitted with the proposal and attaches as an <b>Annexure-XVII</b> .
21.	The PP shall install Digital water level recorder for monitoring the water recharge and carry out quarterly maintenance and cleaning of RWH pits	Noted. Project is in the initial phase of the construction. This will be complied at the applicable stage of the project.
22.	The PP shall take all preventive measures including water sprinkles to control dust during construction and operational phase.	All preventive measures to reduce dust emissions have been adopted at the site. Barricading has been provided. Covered construction materials are kept at the site. Sprinkling is being done at the site using antismog guns and through manually.
23.	The PP shall obtain power assurance from the competent authority.	Electricity connection has been obtained from DHBVN. Power assurance have been obtained and attached as <b>Annexure-XV</b> .
24.	PP shall provide the Anti smog gun mounted on vehicle in the project for suppression of dust during construction &	Antismog guns (ASG) have been deployed at the project site. Sprinkling is being done using

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	operational phase and shall use the treated water, if feasible.	ASG for dust suppression. Site photographs have been attached as <b>Annexure-XIV</b> .
25.	The project is recommended on concept basis as such in case of any change in planning, the PP will obtain fresh EC	There is no change in the planning of the project. Hence fresh EC is not required to be obtained.
26.	Any change in stipulations of EC will lead to Environment Clearance void-ab-initio and PP will have to seek fresh Environment Clearance.	Noted and Agreed.
27.	To encourage & promote Environmental solutions for ambient clear air quality, the PP is advised to install and provide Electric Charging Stations to facilitate electric vehicle commuters to the extent possible.	Noted. Condition pertains to operational phase. Currently the project is in construction phase.
<b>B. Statutory Compliance:</b>		
i.	Project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority for ground coverage, FAR and should be in accordance with zoning plan approved by Competent Authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.	All necessary clearances have been obtained from the competent authorities. AAI NOC is attached as <b>Annexure-III</b> . CTE NOC is attached as <b>Annexure-I</b> . Forest NOC is attached as <b>Annexure-IV</b> . Wildlife sanctuary/National park is present within 15 kms from the project boundary. Affidavit for the same is attached as <b>Annexure-XVI</b> . Zoning plan is attached as <b>Annexure-XIII</b> .
ii.	The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightning etc	The project site falls in seismic zone IV as per seismic zoning map by BIS. The structure of the project is earthquake resistant & is designed as per NBC Norms. Structure Stability certificate is attached as <b>Annexure-V</b> .
iii.	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	No forest land is involved at the project site. Forest NOC for the same is attached as <b>Annexure-IV</b> .
iv.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable	Condition is not applicable. No Wildlife sanctuaries fall under the project. Hence, No permission is required. Affidavit regarding the same is attached as <b>Annexure-XVI</b> .

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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 Haryana State Pollution Control Board.	Currently the project is in construction phase. Consent to Establish NOC with vide letter no. HSPCB/Consent/: 329962323GUNOCTE42701377 dated 01.09.2023 has been obtained and is attached as <b>Annexure-I</b> .
vi.	The project proponent shall obtain the necessary permission for drawl of ground water /surface water required for the project from the competent authority	Condition is not applicable. No groundwater abstraction is being done at the project site. STP treated water is being utilized for construction work. Fresh water requirement is fulfilled by tankers or bottle cans.
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.	Noted. Power assurance has been obtained from DHBVN and attached as <b>Annexure-XV</b> .
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.	Permission from Chief Controller of Explosives is not required as there is no diesel storage at the project site. AAI NOC is attached as <b>Annexure-III</b> .
ix.	The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, the Plastics Waste (Management) Rules, 2016 and Batteries waste (Management Handling Rules 2001 as amended in 2020) shall be followed.	Currently the project is in the initial phase of construction. Solid waste generated from the site is negligible and is disposed to municipal corporation.
x.	The project proponent shall follow the ECBC Act/ECBC-Rules prescribed by Bureau of Energy Efficiency, Ministry of Power strictly in addition of bylaws of the State Government.	Noted.
<b>I. <u>Air Quality Monitoring and Preservation</u></b>		
1)	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	Dust mitigation measures have been adopted at the project site. <ul style="list-style-type: none"> <li>Barricading of adequate height is being provided along the periphery of the site.</li> </ul>

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	Environmental Clearance shall be complied with	<ul style="list-style-type: none"> <li>• 03 Antismog gun (ASG) are installed at the project site. Sprinkling is being carried out at regular interval of time.</li> <li>• Construction materials are being kept covered using green nets/tarpaulin sheets.</li> <li>• Vehicles with valid PUC certificate are being allowed to enter inside the project premises.</li> <li>• Wheel washing facility has been provided at the project site.</li> <li>• PM sensors and PTZ Camera are installed at the project site.</li> </ul> <p>Site photographs have been attached as <b>Annexure-XIV</b>.</p>
2)	A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site	Noted.
3)	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 PM2.5) covering upwind and downwind directions during the construction period.	PM Sensors are installed at the project site. Site photographs have been attached as <b>Annexure-XIV</b> . Dust audit compliance are being submitted fortnightly.
4)	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 ultra low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board	Noted. DG sets with acoustic enclosures and adequate stack height is installed at the site. Emissions from the DG sets are within the prescribed limits as per CPCB norms. Environmental monitoring reports have been attached as <b>Annexure-XIV</b> .
5)	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	Dust mitigation measures have been adopted at the project site. <ul style="list-style-type: none"> <li>• Barricading of adequate height is being provided along the periphery of the site.</li> </ul>

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	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, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site	<ul style="list-style-type: none"> <li>• 03 Antismog gun (ASG) are installed at the project site. Sprinkling is being carried out at regular interval of time.</li> <li>• Construction materials are being kept covered using green nets/tarpaulin sheets.</li> <li>• Vehicles with valid PUC certificate are being allowed to enter inside the project premises.</li> <li>• Wheel washing facility has been provided at the project site.</li> <li>• PM sensors and PTZ Camera are installed at the project site.</li> </ul> <p>Site photographs have been attached as <b>Annexure-XIV</b>.</p>
6)	Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.	Construction materials are being kept covered using green nets/tarpaulin sheets. Site photographs have been attached as <b>Annexure-XIV</b> .
7)	Wet jet shall be provided for grinding and stone cutting.	No such activity is being carried out at the project site. Wet jet will be utilized for grinding and cutting at applicable stage.
8)	Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.	Antismog guns have been deployed and Manual sprinkling is being done at the project site. Site photographs have been attached as <b>Annexure-XIV</b> .
9)	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 Rules 2016	Designated area for collection and segregation of C&D waste has been provided at the site. Site photographs have been attached as <b>Annexure-XIV</b> . It is being disposed as per Construction and Demolition Waste Rules 2016.
10)	The diesel generator sets to be used during construction phase shall be ultra low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.	Noted.
11)	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure	Noted.

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	shall be provided to the DG sets to mitigate the noise pollution. Ultra 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	
12)	For indoor air quality the ventilation provisions as per National Building Code of India.	The buildings are being constructed as per the approved site plan with adequate space between buildings to provide the passage of natural light, air, and ventilation as well as the circulation of fresh air.

## II. Water Quality Monitoring and Preservation

1)	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	No natural drainage pattern will be affected by the proposed project. The rain run-off will be adequately handled inside the project premises and will be used for recharging the ground water via rain water harvesting pits.
2)	Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done	Noted and Agreed.
3)	Total fresh water use shall not exceed the proposed requirement as provided in the project details. The per capita supply should adhere to NBC 2016 and CGWA Notification dated 12.12.2018	Noted. Water balance and Water Management Plan has been submitted with proposal. Consumption of fresh water will be as per the NBC 2016 and CGWA notifications.
4)	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.	The condition pertains to operational phase. Currently the project is in construction phase. During the operational phase of the project, groundwater will be recharged through rainwater harvesting pits.
5)	A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the	Noted.

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	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.	
6)	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.	Agreed. Green area will be developed as per the landscape plan. It will be ensured that indigenous trees with broad leaf and wide canopy will be planted for green area development. Landscape plan is attached as <b>Annexure-VIII.</b>
7)	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	Currently project is in construction phase. Dual plumbing system will be installed at the applicable stage of the project for separating fresh and treated water.
8)	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.	Water saving fixtures will bill installed at the project site for water conservation before it is operational of the project. Currently project is in construction phase.
9)	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.	Currently project is in construction phase. Dual plumbing system will be installed at the applicable stage of the project for separating fresh and treated water.
10)	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred	Pre mixed concrete is being used for construction. Water soaked gunny bags are being used for curing to reduce water consumption.
11)	The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain Water Harvesting pits shall be provided for	RWH pits have been proposed for the project. The same will be constructed at the applicable stage of the project. RWH pits will be constructed as per the design report submitted with the proposal.

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	ground water recharging as per the CGWB norms	
12)	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	Noted. RWH pits will be constructed as per the plan submitted with proposal during the time of environmental clearance.
13)	All recharge should be limited to shallow aquifer.	Noted.
14)	No ground water shall be used during construction phase of the project	Noted. No groundwater abstraction is being done at the project site. Water requirement is being fulfilled through tankers for construction purpose.
15)	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.	Condition not applicable. No groundwater abstraction is being done at the project site. Water requirement is fulfilled through tankers.
16)	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	This will be complied at the applicable stage of the project. Currently the project is in construction phase.
17)	Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.	STP of capacity 200 KLD will be installed before the project is operational. Treated water from STP will be reutilized in flushing and landscaping. STP feasibility report is attached as <b>Annexure-IX</b> . During operational phase, excess treated water if generated from STP will be discharged into sewers.
18)	No sewage or untreated effluent water	Noted.

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	would be discharged through storm water drains.	
19)	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.	STP of capacity 200 KLD will be installed before the project is operational. Treated water from STP will be reutilized in flushing and landscaping. STP feasibility report is attached as <b>Annexure-IX</b> . During operational phase, excess treated water if generated from STP will be discharged into sewers.
20)	Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.	Condition pertains to operational phase. Currently the project is in construction phase.
21)	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	Condition pertains to operational phase. Currently the project is in construction phase. Sludge generated from STP will be reutilized as manure for landscape development.

### **III. Noise Monitoring and Prevention**

1)	Ambient noise levels shall conform to residential area/commercial area 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 /	Noted and agreed. Currently the project is in construction phase. It is being ensured that the all the parameters of ambient noise are within the prescribed limits as per CPCB norms. Environmental Monitoring Reports are attached as <b>Annexure-II</b>
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	SPCB.	
2)	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	Noted and agreed. Currently the project is in construction phase. It is being ensured that the all the parameters of ambient noise are within the prescribed limits as per CPCB norms. Environmental Monitoring Reports are attached as <b>Annexure-II</b> .
3)	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.	DG sets with acoustic enclosures and adequate stack height is installed at the site. Noise from the DG sets are within the prescribed limits as per CPCB norms. Environmental monitoring reports have been attached as <b>Annexure-II</b> .

#### **IV. Energy Conservation Measures**

1)	Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency as per ECBC Act, 2017 read with ECBC Rules, 2018 shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC also which is in no case should be less than 25% as prescribed	Noted.
2)	Outdoor and common area lighting shall be LED.	Noted. LEDs are installed in the common area of the project. Site photographs have been attached as <b>Annexure-XIV</b> .
3)	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 R & U- values shall be as per ECBC specifications	Noted. LED lamps will be used which will reduce 40% total flat light load. Also, roof top solar plant of capacity 100KVA will be installed which will ensure energy conservation. 20% of total landscape and street light load will be reduced by use of solar power. Insulation of exposed walls and roof will be done to minimize heat gains which will reduce the demand of air conditioning of the building. Artificial lightening will be used only if there is inadequate amount of natural light in space.
4)	Energy conservation measures like installation of CFLs/ LED for the lighting	LED lamps will be used which will reduce 40% total flat light load. Also, roof top solar

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	the area outside the building should be integral part of the project design and should be in place before project commissioning.	plant of capacity 100KVA will be installed which will ensure energy conservation. 20% of total landscape and street light load will be reduced by use of solar power. Insulation of exposed walls and roof will be done to minimize heat gains which will reduce the demand of air conditioning of the building. Artificial lightening will be used only if there is inadequate amount of natural light in space.
5)	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	Condition pertains to operational phase. As mentioned in the proposal, 20% of the energy conversation shall be achieved through proposed solar lightening for common areas and street lightening. Currently the project is in construction phase.
6)	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.	As mentioned in the proposal, 20% of the energy conversation shall be achieved through proposed solar lightening for common areas and street lightening.
7)	The PP will submit report indicating compliance of each parameter of ECBC requirement and submit quantification saving report for each component.	Noted.
<b>V. <u>Waste Management</u></b>		
1)	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.	Agreed. During operational phase, municipal solid waste generated from the project site will be managed through authorized vendors. Currently the project is in construction phase. Negligible solid waste is being generated from the site which is being handed over to municipal corporation vendors. C&D waste generated is segregated and stored at a

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		designated area and reutilized in levelling & backfilling.
2)	Disposal of muck during construction phase shall not create any adverse effect on the neighboring 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.	Agreed. Muck generated during construction phase will be reused in leveling and backfilling. Currently the project is in construction phase.
3)	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.	Separate color coded bins have been provided at the project site for collecting wet and dry waste. Site photographs have been attached as <b>Annexure XIV</b> . Negligible solid waste is being generated from the site which is being handed over to municipal corporation vendors.
4)	Organic Waste Converter within the premises with a minimum capacity of 0.5 kg /person/day must be installed. Leaves to be put in earmarked pits for converting them into compost to be used as manure.	Condition pertains to operational phase. Currently the project is in construction phase.
5)	All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers	Noted. Currently no non-biodegradable waste is being generated at the project site hence agreement for the same is not required.
6)	Any hazardous waste generated during construction phase, shall be disposed of as per applicable rules and norms with necessary approvals of the State Pollution Control Board.	Noted. Lube oil is the hazardous waste generated from the DG set installed at the site. It is being reutilized in shuttering work.
7)	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.	Noted. Fly bricks have been used in construction material. Site photographs have been attached as <b>Annexure XIV</b> .

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8)	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.	Noted. Fly bricks have been used in construction material. Site photographs have been attached as <b>Annexure XIV</b> .
9)	Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.	Construction and demolition (C&D) waste generated from the site is segregated and stored at designated area. C&D waste is being reutilized within the project premises in levelling and backfilling.
10)	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.	Noted.

**VI. Green Cover**

1)	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).	Noted.
2)	A minimum of 1 tree (5' tall) for every 80 sqm 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.	Noted. Green area will be developed as per the plan submitted during proposal. Indigenous plant species with broad leaves and wide canopies will be used for green area development.
3)	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	The condition is not applicable. No tree cutting activity had been done at the project site.

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	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.	
4)	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.	Top soil excavated during construction phase will be preserved and reutilized in landscaping.
<b>VII. Transport</b>		
1)	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.	Noted. This will be followed. Mobility of vehicles will be maintained to prevent traffic congestion. Internal roads will be constructed as per traffic management plan. Separate entry and exit gates will be provided to avoid the traffic congestion. Parking area will be provided within the site to minimize the traffic load outside the project site. Internalized parking has been provided during the construction phase.
2)	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.	This is being followed. Only valid PUC certified vehicles are allowed to enter at the site to prevent air pollution. Vehicles are allowed to enter during the non-peak hours of the day.
3)	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	Separate entry and exit gates will be provided. Parking will be completely internalized so that no congestion occurs outside the project premises. It will be developed as per the Approved Site Plan. The same is attached as <b>Annexure-VI</b> .

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	habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms 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.	
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**VIII. Human Health Issues**

1)	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.	All construction workers are being provided with PPE kit like safety jackets and belts, safety shoes and gloves. They are also provided with dust mask to prevent inhalation of dust during loading and unloading of materials. Site photographs have been attached as <b>Annexure-XIV</b> .
2)	For indoor air quality the ventilation provisions as per National Building Code of India.	Noted. Project is being developed as per National Building Code, 2016. The buildings are being constructed as per the approved site plan with adequate space between buildings to provide the passage of natural light, air, and ventilation as well as the circulation of fresh air.
3)	Emergency preparedness plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Noted.
4)	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.	Noted. Following amenities have been provided at the site. <ul style="list-style-type: none"> <li>• For sanitation of labours, toilet facility has been provided to the construction workers nearby the construction site.</li> <li>• First aid facility is being provided at the site for construction labours.</li> <li>• Temporary hutments and temporary toilets with septic tanks have been provided for the labours at the project site.</li> </ul>

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		<ul style="list-style-type: none"> <li>• Drinking water is being provided for the workers at the site.</li> <li>• Trainings are being provided to labours for health &amp; safety.</li> </ul>
5)	Occupational health surveillance of the workers shall be done on a regular basis.	Agreed. Health surveillance is being conducted for the labours working at the project site.
6)	A First Aid Room shall be provided in the project both during construction and operations of the project	First aid facilities have been provided at the site

**IX. Corporate Environment Responsibility**

1)	The project proponent shall comply with the provisions of CER, as applicable	It has been committed that the management will strive to provide and implement the Environmental Management Plan that incorporates all issues related to air, water, land and noise.
2)	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	Environmental policy will be submitted in next six monthly compliance. Copy of the board resolution has been attached as <b>Annexure-VII.</b>
3)	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 to the head of the organization	Noted.
4)	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall	Noted. Environmental management plan has been submitted with the proposal.

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	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.	
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**X. Miscellaneous**

1)	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.	Noted. Project is advertised in local newspapers both in English and in local language.
2)	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.	Noted. This is being complied.
3)	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	Noted and Agreed. This will be complied from next six monthly compliance report.
4)	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.	Noted and Agreed.

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5)	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.	Noted and Agreed. This will be complied from next six monthly compliance report. Environmental statement in Form-V will be submitted after completion of financial year.
6)	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.	Noted and Agreed. This is being complied
7)	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted and Agreed.
8)	The project proponent shall abide by all the commitments and recommendations made in the form-IA, Conceptual Plan and also that during their presentation to the Expert Appraisal Committee.	
9)	No further expansion or modifications in the plan shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)/SEIAA, Haryana. The project proponent shall seek fresh environmental clearance under EIA notification 2006 if at any stage there is change of area of this project.	Noted and Agreed.
10)	Any deviation/change in stipulations of EC/ Development plan, will leads to Environment Clearance void-ab-initio i.e. EC will become invalid for all intent and purposes.	Noted.
11)	The PP should give unambiguous affidavit giving land promoters in accordance with your ownership and possession of land	Noted.

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	legal the case referred for Environment Clearance to SEIAA.	
12)	Concealing factual data or submission of false/fabricated data will result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Agreed. The same has been submitted with proposal.
13)	The Ministry/SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted and Agreed.
14)	The Ministry/SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted and Agreed.
15)	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.	Noted and Agreed.
16)	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	All necessary clearance/ permissions have been obtained from the competent authority. <ul style="list-style-type: none"> <li>• AAI NOC is attached as <b>Annexure-III</b>.</li> <li>• Forest NOC is attached as <b>Annexure-IV</b>.</li> <li>• Consent to Establish is attached as <b>Annexure-I</b>.</li> </ul>
17)	The Project proponent shall not violate any judicial orders/pronouncements issued by any Court/Tribunal.	Noted and Agreed.
18)	Under the provisions of Environment	Noted.

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	(Protection) Act, 1986, legal action shall be initiated against the Project Proponent if it was found that construction of the project has been started before obtaining prior Environmental Clearance.	
19)	Any appeal against the this Environmental Clearance 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.	Noted.
20)	The project proponent is responsible for compliance of all conditions in Environmental Clearance letter and project proponent can not absolve himself /herself of the responsibility by shifting it to any contractor engaged by project proponent.	Noted.
21)	The validity of this environment clearance letter is valid up to <u>10 years from the date of issuance of EC letter in accordance with the MoEF &amp; CC, GoI Notification No. S.O.1807 (E), dated the 12th April, 2022.</u> The environment clearance conditions applicable till life space project will continue to apply. In case of violation the action will be taken as per the laid down law of land. Compliance report shall be sent to this office till life of the project.	Noted and Agreed.
22)	If project is not completed within the validity period then the project proponent shall submit the application for extension of validity within one month before the lapse of validity period of Environment Clearance.	Noted.
23)	The Project Proponent should intimate to the Authority as well as to the quarter concerned in case of any change in the present communication address.	Noted and Agreed.