

COMPLIANCE OF STIPULATED CONDITIONS OF ENVIRONMENTAL CLEARANCE

Name of Project : "Life Republic"

At S. No. 74, Hinjewadi-Marunji-Kasarsai Road, Village – Marunji, Tal. Mulshi, Dist. Pune, Pin- 411057 by *Kolte Patil Integrated Townships Limited.*

Clearance No. : **F. No. 21-75/2020-IA-III/Date 13 Jan. 2021**

i.	During Construction phase, Total water requirement is expected to be 100 KLD, which will be met by tanker. During the construction phase, soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided during peak labor force.	Details are attached as per Annexure 01 & 23
ii.	About 45,689 kg/day solid wastes will be generated in the project. The bio degradable waste (25,788 kg/day) will be processed in Organic Waste Converter (OWC) and the non-biodegradable waste generated (19,901 kg/day) will be handed over to authorized local vendor.	Details are attached as per Annexure 02 & 24
iii.	Total power requirement during construction phase is 650 KW and will be met from MSEDCL and total power requirement during phase is connected load of 97603 KW and demanded load of 44,834 KW is estimated and will be met from MSEDCL.	Sector wise sanction is obtained. Details are Attached as per Annexure 03
iv.	In the certified compliance report; only one noncompliance of the condition i.e. ground water levels and its quality should be monitored regularly in consultation with Central ground Water Authority, has been mentioned, In this context, it was submitted by the PP that there is no use of ground water. However, sampling of open well and analysis will be carried.	Noted. We have not use ground water.
v.	For rainwater harvesting, recharge pits (100 no's) will be provided in the storm water drainage system in the form chamber with size (2.0 m X 2.0 m X 2.0 m) to harvest maximum rainwater collected from terraces and paved areas of the project.	Complied, We have provided 100 Nos of Pits size of 2.0 m X 2.0 m X 2.0 m
vi.	Proposed energy saving measures would save about 27.24% of power.	We have provided solar water heating system. Details are attached as per Annexure 04
vii.	Forest Clearance is not required	We have obtained Forest NOC. Attached as per Annexure 05

viii.	The required mandatory RG area at township level is 18.48 Ha. And at sector level is 79,908.54 sqm. Swimming pools and clubhouses are provided in open space at sector levels. The total landscape area will be 3,72,870 sqm. Landscape on ground is 2,85,816 sqm and on podium is 2,88,823.96 sqm out of which 83,179.07 sqm of soft cape area is completed. Presently, 7775 Trees are existing at site, which are planted as per EC. In all 20,840 trees are proposed. List of proposed trees and details of plant treatment is given in chapter III of the EIA/EMP report. Water quantity required for landscape is 1733 KLD and fully treated and recycled water from STP will be used for landscape.	Noted. We have completed total Landscape development of 83,179.09 Sq.m. and we are using treated water & recycled water for landscape. Other RG area will be developed in due course of time. Details attached as per Annexure 06
ix.	There are Litigation (Property Suits) pending before the Hon'ble High Court and the Hon'ble Supreme Court. These Litigations are not on the environmental aspects of project. It was confirmed by the PP that no litigation, Challenging the development of the project on the environmental grounds, is pending before the court.	Noted.

PART A – GENERAL CONDITIONS

Sr. No	Conditions of Environmental Clearance	Reply
a)	<u>Construction Phase :-</u>	
i.	Considering the scale and character of proposed development, the PP shall adopt integrated approach of conservation in overall open space management and development. For the purpose, the strategies shall be to keep large open spaces along the lake and pond edge having a dense tree hedge along the boundary; protection to lake edge from construction activities; providing waste management facilities during construction period; protection to existing trees & tree clusters; topsoil management; and leaving a recharge belt of thick wooden vegetation around the existing wells. All the water resources like streams, lake, pond, wells shall be managed protected well during the construction work. As recommended in the EIA report, each well must have a buffer belt of about 20 ft. wide, totally covered with vegetation.	Noted. We have provided buffer of 20 ft. wide with vegetation

ii.	Excavated Topsoil shall be stored and preserved for landscape. Management of construction and demolition waste shall be as per the Construction & Demolition Waste Management Rules, 2016. As proposed, all the debris generated shall be used on site completely.	We have stored & Preserved Excavated Topsoil at site for use in landscaping, Land leveling. Details & Photos are attached as per Annexure 07 & 27
iii.	Waste generated during construction phase shall be collected in segregated form. Biodegradable waste shall be treated by using aerobic composting methods at site, while non-biodegradable waste shall be handed over to authorized re-processors for recycling.	Noted. We have provide OWC. Biodegradable waste is send to OWC & Non-Biodegradable waste is handed over to authorized re-processors for recycling.
iv.	As reported same components/area has been developed as per the existing environmental clearance and such components have also been made operational. 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. Transportation of building and construction material shall be arranged at non-traffic hours so as to minimize the nuisance. Proper storage of building and construction material shall be provided so that materials don't spread through air or cause nuisance to existing population.	Noted, we have carried out the construction as per the environmental conditions mentioned in the EC. As this is new development, there is no demolition at site. Also all the site activities (transportation of building material & construction material) are carried out during non- peak hours.
v.	Construction work may not be commenced during night time so as to avoid noise nuisance to surrounding area. Otherwise, the noise level in the night shall conform the existing norms.	Noted. Construction work is carried out during 8 Am to 6 Pm.
vi.	Excavation and drilling must be done after spaying water on soil surface so that the PM is suppressed on the spot. Treated wastewater shall be used for this purpose, use of fresh water or ground water shall be strictly avoided.	Noted. Drilling is carried out after spaying water on soil surface so that the PM is suppressed on the spot.
vii.	Barricading of construction site prevents the heavy particles from skipping to outer area. PP shall provide effective barricades so that the existing building residents and nearby residents do not suffer from nuisance.	Complied. Details Attached As per Annexure 26
viii.	DG sets, shall have provision of stack as per the CPCB norms.	Complied. Details Attached As per Annexure 08 & 25

ix.	Provide Sewage Treatment Plant to treat the sewage so generated. Also, the PP has to ensure that the treated sewage is reused and/or disposed lawfully and scientifically. The PP may either install temporary sewage treatment plant for this construction phase or can give mobile toilets. Prefer Treatment in existing or temporary STP (Fabricated).	We have provided STP of appropriate capacity to all the sectors. As of now total 09 nos. of STP are in operation at site and 01 Mobile STP is provided for labor camp. Details attached as per Annexure 01 & 23
x.	Use of water meter conforming to ISO standards shall be installed at the inlet point of water uptake and at the discharged point to monitor the daily water consumption.	Noted. Will be Installing in upcoming sectors.
xi.	Native trees, which are on proposed roadside, in the median of road or just near the building should be accommodated; to be retained. Native trees which are obstacles as per proposed plan, should be transplanted. Non-Native trees, which are obstacles may be removed.	Noted, details of the plantation is mentioned in Landscape layout as per Annexure 06
Operation Phase		
i.	Source of water will be River Water through a water treatment plant. It is recommended that the water so supplied should be checked periodically for quality purpose through a standard laboratory. It must comply with the standard IS: 10500, which provide for quality of drinking water.	Noted. We have provided WTP of capacity 6 MLD. Photos are attached as per Annexure 31
ii.	Use of water saving devices/fixtures (viz. Sensor based fixtures, waterless urinals, tap aerator, low flow flushing systems; use of law flow faucets, etc.) for water conservation shall be incorporated in the building plan.	Noted. We have provided fixtures for water saving like tap aerator, low flow flushing systems; use of law flow faucets. Details attached as per Annexure 10
iii.	During Operational phase, total fresh water requirement for the project shall not exceed 8112 KLD. Use of water meter conforming to ISO standards shall be considered at the inlet point of water uptake to monitor the daily water consumption.	Noted.
iv.	Waste water generated (11,852 KLD) shall be treated in 51 (fifty-one) in house STPs of total 11,980 KLD capacity. Treated wastewater (6789 KLD) shall be recycled and re-used for flushing (5056 KLD) and for gardening (1773 KLD). About 5063 KLD of treated water is proposed to be disposed into municipal drain. PP shall also make sincere efforts to explore the reuse of excess treated water in nearby areas for construction or irrigation or for the use local	Complied. Total 09 Nos of STP are provided for different sectors & 1 STP is provided for Labor Camp Photos of STPs are attached as per Annexure 01 & 23

	municipal authorities/other institution for similar purpose.	
v.	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. 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.	Complied, We have provided dual plumbing system for separation of grey and black water.
vi.	As proposed, disposal of bio-degradable waste (25,788 kg/day) shall be through mechanical composting machine. The manure shall be used in the own premises. The separate solid waste management area shall be provided for collection, separation and storage of waste. The non-biodegradable waste generated (19,901 kg/day) shall be handed over to authorized local vendor.	We have 02 Nos of Organic waste converters machine provided. One of Roller Operated drum type and Hydraulic Operated drum type. Which is Total Capacity is 02 Ton/Day. Details are attached as per Annexure 02 & 24
vii.	Implement energy conservation measure, use Solar Energy for water heating to achieve the net energy saving of 16783 kW by energy conservation measures (about 27.24 % of the total power requirement). PP shall explore the use of Solar power for lighting; in particular for the outdoor lighting so as to reduce the load on the grid.	We have Installed Solar at Top Terrace of all Buildings for Water heating purpose and also we have installed Solar at Admin office Top for Lighting
viii.	As proposed for rainwater harvesting, recharge pits (100 nos.) shall be provided in the storm water drainage system in the form of chamber with size (2.0 M x 2.0 M) to harvest maximum rainwater collected from terraces and paved areas of the project. Harvesting/recharged shall be after filtration. The local bye-law provision on rain water harvesting should be followed. If local bye-law 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 recharged pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.	Noted, The Storm water is collected and diverted into water bodies which eventually recharges the ground water. Further 5 bores are taken in the storm water drains of the size (2.0 M x 2.0 M)

ix.	As proposed RG area at township level shall be 18.48 Ha.; at sector level shall be 79,908.54 sqm and total landscape area shall be 3,72,870 sqm. Landscape on ground is 2, 85,816 sqm and on podium is 87,055 sqm. The landscape planning should include plantation of native species. A minimum of 01 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. Plantation to be ensured species (cut) to species (planted). 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. We have completed total Landscape development of 83,179.09 Sq.m. and Other RG area will be developed in due course of time. Detailed plantation plan is attached as Annexure 06
x.	Presently, 7775 Trees exist at the project site, which are planted as per previous EC. In all 20,840 trees are proposed and these shall be maintained through the operation phase.	Noted, Detailed plantation plan is attached as Annexure 06
xi.	The DG set shall be provided with acoustic enclosure for effective noise reduction of 25 dB (A). Also, the DG set should be provided with exhaust muffler capable of effective noise reduction of 25 dB (A). The DG sets must comply with CPCB norms.	Compiled. Details are attached as per Annexure 08 & 25
xii.	Norms laid by integrated township policy and National Building Code regarding parking may be followed to provide parking to the residents. Internal roads of at least 6 and 9 meters may be provide for internal traffic movements.	Noted. Parking provisions are provided as per the Township policy and the local sanction norms of PMRDA. We have provided 6 & 9 M roads for the internal traffic management also we have provided 24 Mtr. ROW internal spine road.
xiii.	Fire and safety norms shall be followed as per guidelines laid by concerned state department. As proposed, township will have its own fire station with the approval of CFO wherein fire engines and all other equipment shall be provided. The outsiders also shall be provided this service in case of fire emergencies.	We have obtained Fire NOC from Fire Department. We have provided Fire Station at Townships. NOC Attached as per Annexure 12
xiv.	The PP shall also provide electric charging points in the parking areas for e-vehicles.	Noted. We will be providing electric charging points in upcoming sectors.
xv.	Adequate and law- mandated side margin should be provided for high rise buildings in the projects.	Noted
xvi.	The PP shall put in place the Fire and natural Disaster Management Plan in place.	Noted. Attached DMP as per Annexure 13

xvii.	The Environmental Clearance to the projects is primarily under provisions of EIA Notification, 2006. The Projects Proponent is under obligation to obtain approvals/clearances under any other Acts/Regulations or Statutes as applicable to the project.	Noted, after taking all the necessary approvals and clearances we have commenced the project.
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PART B- STANDARD CONDITIONS

I	Statutory compliance :	
Sr. No	Conditions of Environmental Clearance	Reply
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.	We have obtained approved plans for buildings from PMRDA. And all the construction work done in accordance with the local byelaws. Details of sanctioned layouts are attached as per Annexure 14
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 lightening etc.	We have obtained Structural Stability Certificates. Details are attached as per Annexure 15
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.	We have Obtained Forest NOC from Forest Department. Details Are attached as per Annexure 05
iv.	The Project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not Applicable
v.	The PP shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.	We have obtained Consent to Establish by MPCB. Details are attached as per Annexure 16
vi.	The PP shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.	Not Applicable
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.	We have obtained load sanction from Maharashtra State Electricity Board. Details are attached as per Annexure 03

viii.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, and Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.	Not Applicable. As DG are Used in emergency & There is no storage of Diesel at site, as on when required, it will be top-up.
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.	Noted. Details are attached as per Annexure 02 & 24
x.	The PP shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.	Noted. Details are attached as per Annexure 20
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.	There is no demolition at site
ii.	A management plan shall be drawn up and implemented to certain the current exceedance in ambient air quality at the site.	Noted.
iii.	The PP 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.	Noted.
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.	We have use low Sulphur diesel type DG sets at site. DG certificates are attached as per Annexure 08 & 25

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, marram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.	Complied with conditions. Details of barricading are attached as per Annexure 26
vi.	Sand, marram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.	We have complied. Details attached as per Annexure 27
vii.	Wet jet shall be provided for grinding and stone cutting.	Complied.
viii.	Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.	Complied. We have adequately sprinkled water.
ix.	All construction and demolition debris shall be stored at the site (and not dumped on the roads or open space 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.	Complied, we have stored construction debris within site for using land leveling. Photos are attached as per Annexure 27
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.	We have use low Sulphur diesel type DG sets at site. DG certificates are attached as per Annexure 08 & 25
xi.	The gaseous emission from DG set shall be dispersed through adequate stack height as per CPCB standard. 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.	We have Complied. Details are attached as per Annexure 08 & 25
xii.	For indoor air quality the ventilation provisions as per National Building Code of India.	Noted, we have designed building considering ventilation provision.

III.	Water quality monitoring and preservation:	
i.	The natural drain system should be maintaining 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 system (SUDS) are allowed for maintain the drainage pattern and to harvest rain water.	Noted, we have planned all STP and building designing as per the contour and have maintained the drainage pattern.
ii.	Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.	Noted, the design of the building is done in the same manner.
iii.	Total fresh water use shall not exceed the proposed requirement as provided in the project details.	Noted. The total fresh water requirement will be not be exceed.
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.	Noted
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 balanced water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.	We have obtained Water NOC. Attached as per Annexure 09
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.	Noted, we have provided Open Space calculation showing 20% & Landscape layout showing 50% opening
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.	Noted

viii.	Use of water saving devices/fixtures (viz. Sensor based fixtures, waterless urinals, tap aerator, low flow flushing systems; use of low flow faucets, etc.) for water conservation shall be incorporated in the building plan.	Noted we have provided the devices/fixtures so as to conserve water. Annexure 10
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.	Noted, we are recycling the Flushing water.
x.	Water demand during construction should be reduced by use of premixed concrete, curing agents and other best practices referred.	Noted, we are using premixed concrete and other curing agents so as to reduce water demand during construction.
xi.	The local bye-law 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 recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.	Noted, we have provided 100 Nos. of RWH pits at site for ground water recharging.
xii.	A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5000 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 not be without approval from the Competent Authority.	Noted.
xiii.	All recharge should be limited to shallow aquifer.	Noted.
xiv.	No ground water shall be used during construction phase of the project.	Not Applicable.
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.	Noted. There is no use of ground water
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.	Noted.

xvii.	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.	Noted. We have provided STP of MBBR technology. STP details are attached as Annexure 01 & 23
xviii.	No sewage or untreated effluent water would be discharged through storm water drains.	Noted. We have provided adequate STP to all sectors for sewage treatment. Details as per Annexure-01 & 23
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.	Noted, STP capacity is designed considering 100% waste water treatment. And treated water is used for flushing & Landscape.
xx.	Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odor problem from STP.	Noted, We have carried out the monitoring of the sewage. Monitoring reports are attached as Annexure 09 & 32
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.	Noted.
iv.	Noise monitoring and prevention:	
i.	Ambient noise levels shall conform to residential area/commercial 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.	Noted. Monitoring reports are attached as Annexure 19

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.	Noted. Monitoring reports are attached as Annexure 19 & 32
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.	Noted & Complied, Details are attached as per Annexure 34
v.	Energy Conservation measures:	
i.	Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Building in the States which have notified their own ECBC, shall comply with the State ECBC.	Noted
ii.	Outdoor and common area lighting shall be LED.	Noted, We have use LED lights in Common and Outdoor Area.
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.	Noted.
iv.	Energy Conservation measures like installation of 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.	Noted, We have installed LED Lighting in common area
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-law's requirement, whichever is higher.	Noted, We will comply.
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 building are also recommended to meet its hot water demand from solar water heater, as far as possible.	Noted, We have installed Solar panel for hot water

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.	Noted
ii.	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.	Complied, The muck that was generated during the construction phase was stored within the site and after necessary draining of water was used for land levelling purpose. Hence, it did not create any adverse effect on the neighboring community.
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.	Noted. We have provided Separate Wet & Dry bins in each units and at ground level for segregation of waste.
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.	We have 02 Nos of Organic waste converters machine provided. One of Roller Operated drum type and Hydraulic Operated drum type. Which is Total Capacity is 2 Ton/Day. Details are attached as per Annexure 02 & 24
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.	Noted, we have handed over non-biodegradable waste to 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.	There is no generation of Hazardous waste in construction activity
vii.	Use of environment friendly materials in bricks, blocks and other construction material, 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, We have use ecofriendly materials. Details are attached as per Annexure 11 & 29
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 construction.	Noted.

ix.	Any wastes from construction and demolition activities related thereto shall be managed as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.	Noted.
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.	Noted. All the inorganic waste is handover to authorized vendor for further reuse or recycle
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).	Noted.
ii.	Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio 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.	We have obtained the tree cutting permission & work has been done accordingly.
iii.	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.	Noted. We have stored the top soil layer and have reused for further plantation in the same premises.
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.	Noted, We have provided 6 & 9 M roads for the internal traffic management also we have provided 24 Mtr. ROW spine Road.
	a) Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.	We have provided Signage boards. Details are attached as per Annexure 28
	b) Traffic calming measures.	
	c) Proper design of entry and exit points.	

	d) Parking norms as per local regulation.	Parking provisions are provided as per the Township policy
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.	We have hired properly maintained & good in conditions vehicles with all necessary documents & PUC certificates. The details of PUC certificates are attached as per Annexure 22
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 duly validated and certified by the State Urban 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.	Noted
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.	Complied.
ii.	For indoor air quality the ventilation provisions as per National Building Code of India.	Complied.
iii.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Noted.
iv.	Provision shall be made for the housing of construction labor 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, We have provided Safe drinking water, First Aid rooms etc. and sanitary Facilities such as Mobile toilets, mobile STP for Construction workers

v.	Occupational health surveillance of the workers shall be done on a regular basis.	Noted.
vi.	A First Aid Room shall be provided in the project both during construction and operations of the project.	Complied.
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.	Complied. We have advertise in Local News Paper- Prabhat and English Newspaper- Times of India .
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.	Noted.
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.	Noted.
iv.	The PP 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. We submitted Six monthly Reports
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 and /or shareholders/stake holders. The copy of the board resolution in this regards shall be submitted to the MoEF&CC as a part of six-monthly report.	Noted
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.	Noted. We have separate environmental cell. Details are attached as Annexure 21

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.	Noted
viii.	The PP 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.
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.	Noted.
x.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted.
xi.	The PP shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Noted.
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).	Noted.
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.	Agreed.
xiv.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Agreed.
xv.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted.

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.	Agreed. We will cooperate.
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 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.	Noted.
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.	Noted.