



कार्यालय, लखनऊ विकास प्राधिकरण

CONSTRUCTION OF PROPOSED LAKE VIEW APARTMENTS, GH-01+GH-02 AT VIRAJ KHAND, GOMTI NAGAR-LUCKNOW	
Demarcation of Plots*	Plot is already demarcated. all the development and construction work will be done under the demarcated plot.
Boundary Wall*	Brick work boundary wall at the height of 2100 mm and 600 mm high MS grill. Length Of Boundary Wall is 875.42 metre
Road Work*	6.00 M Wide Reinforcement Cement concrete pavement with vacuum dewatered concrete is proposed around the building as per sanctioned plan.
Footpaths*	A footpath with a PCC base, GSB 80 mm thick M-35 paver blocks, and kerb stone edging shall be provided as per the drawings.
Water Supply Including Drinking Water Facilities*	<p>The water supply system for the building shall be designed to ensure reliable, hygienic, and adequate water availability for fire protection as well as domestic use.</p> <p>Source & Storage:</p> <ul style="list-style-type: none">• The primary source of water shall be a bore well (tube well).• Water from the bore well shall be conveyed through suitable pipelines to the Underground Storage Tank (UGT).• The UGT shall be compartmentalized into Fire Water Tank and Domestic Water Tank as per applicable norms. <p>Fire Water Priority:</p> <ul style="list-style-type: none">• Water from the bore well shall first be filled into the Fire Water Tank in the UGT to ensure uninterrupted fire-fighting water availability.• After the fire tank is fully charged, overflow water shall be diverted to the Domestic Water Tank.

अधिकाारी अभियन्ता
लखनऊ विकास प्राधिकरण
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कार्यालय, लखनऊ विकास प्राधिकरण

	<p>Pumping & Distribution:</p> <ul style="list-style-type: none">• Water from the domestic section of the UGT shall be pumped using electrically operated pumps to the Overhead Tank (OHT).• The pumping system shall include necessary control valves, non-return valves, pressure gauges, and isolation valves.• Adequate pump capacity shall be provided to maintain required pressure and flow. <p>Gravity Distribution:</p> <ul style="list-style-type: none">• From the OHT, water shall be supplied through a gravity-based distribution system.• Vertical risers and horizontal distribution pipelines shall be provided to supply water to all toilets, kitchens, and other domestic points across all floors. <p>System Design:</p> <ul style="list-style-type: none">• The entire distribution network shall be designed to optimize flow rate, pressure, and water quality.• All pipelines shall be of approved material and size, suitable for potable water.• The system shall comply with relevant CPWD / NBC / Local Authority norms.
Sewer System*	<p>A separate and independent sewerage system shall be provided for the building to ensure safe and hygienic disposal of wastewater.</p> <ul style="list-style-type: none">• All soil, waste, and sewage from toilets, kitchens, and other sanitary fixtures shall be collected through a dedicated sewerage network.• The sewer lines shall be constructed using R.C.C. pipes, laid at proper gradients to ensure self-cleansing velocity.



कार्यालय, लखनऊ विकास प्राधिकरण

	<ul style="list-style-type: none">• Inspection chambers / manholes of 900 mm internal diameter shall be provided at suitable intervals, junctions, changes in direction, and levels, as per the approved MEP system design and relevant standards.• The sewerage network shall be designed to prevent leakage, backflow, and odor nuisance.• All sewer lines shall be properly vented and provided with necessary traps as per plumbing norms.• The complete sewerage system shall be connected to the proposed Sewage Treatment Plant (STP) for treatment and safe disposal.• The system shall comply with applicable CPWD / NBC / Local Authority guidelines
Drain*	<p>A separate storm water drainage system with ground water recharge provision (rainwater harvesting) shall be provided for the site.</p> <ul style="list-style-type: none">• Rainwater from terraces, roofs, paved areas, and open spaces shall be collected through a dedicated storm water drainage network.• The collected storm water shall be conveyed through properly sized pipelines and drains to rainwater harvesting / ground water recharge structures.• Adequate filter media and silt traps shall be provided before recharge to prevent choking and contamination.• Excess storm water, after groundwater recharge, shall be safely discharged into the Municipal storm water drain line as per the approved layout and specified plan.• The entire system shall be designed to prevent waterlogging and ensure efficient surface runoff management.



कार्यालय, लखनऊ विकास प्राधिकरण

	<ul style="list-style-type: none">The storm water drainage system shall comply with applicable NBC / CPWD / Local Authority guidelines
Parks*	As per sanctioned plan.
Tree Planting*	Many types of bushes and tree will be planted. Planted trees and bushes is the part of green area as per sanctioned plan.
Design For Electric Supply Including Street Lighting*	A Centralized transformer, HT panel, LT panel, Feeder Pillar, and DG backup for common services like external lighting and other essential area is proposed as per sanctioned plan, HSD Tank, L.T. Cable line, Feeder pillar, Street lights, will be provided. A 600x600 mm manhole will be provided for the L.T., L.V., and H.T. lines
Community Buildings*	There is a Club building proposed in our project with all required amenities.
Treatment and Disposal System of Sewage and Sullage water*	<p>A comprehensive system shall be provided for the collection, treatment, and disposal of sewage and sullage water generated from the building.</p> <ul style="list-style-type: none">All sewage and sullage water from toilets, kitchens, wash areas, and other sanitary fixtures shall be collected through a separate sewerage network.The collected wastewater shall be conveyed through R.C.C. sewer lines laid at appropriate gradients to the proposed Sewage Treatment Plant (STP) of 500KLD.The STP shall be designed to treat sewage to the prescribed standards as per CPCB / SPCB / Local Authority norms.Treated effluent from the STP shall be reused for flushing, landscaping, horticulture, and other non-potable purposes, as feasible.Excess treated water, if any, shall be safely discharged into the Municipal sewer / drain after meeting the prescribed discharge standards.



कार्यालय, लखनऊ विकास प्राधिकरण

	<ul style="list-style-type: none">• Sludge generated from the STP shall be properly treated, dried, and disposed of through approved agencies.• The entire treatment and disposal system shall be designed to prevent contamination, odor nuisance, and environmental pollution
Solid Waste Management and Disposal System*	<p>A systematic Solid Waste Management and Disposal System shall be provided to ensure hygienic handling and environmentally safe disposal of solid waste generated from the premises.</p> <ul style="list-style-type: none">• Solid waste shall be segregated at source into biodegradable (wet waste), non-biodegradable (dry waste), and recyclable waste as per applicable guidelines.• Separate color-coded bins shall be provided at each floor and common collection points to facilitate effective segregation.• Segregated waste shall be collected daily and transferred to a designated solid waste collection area within the premises.• Biodegradable waste shall be processed through composting / organic waste converter (OWC), wherever applicable.• Recyclable waste shall be stored separately and handed over to authorized recyclers / agencies.• Non-recyclable and inert waste shall be disposed of through the Municipal solid waste collection system.• The entire solid waste management system shall comply with Solid Waste Management Rules, 2016 and guidelines issued by the Local Authority
Water Conservation System*	<p>A comprehensive Water Conservation System shall be implemented to promote efficient use of water and minimize wastage within the premises.</p> <ul style="list-style-type: none">• Low-flow and water-efficient plumbing fixtures such



कार्यालय, लखनऊ विकास प्राधिकरण

	<p>as dual flush WCs, aerated faucets, and sensor-based fixtures shall be provided to reduce water consumption.</p> <ul style="list-style-type: none">• Rainwater harvesting and groundwater recharge systems shall be incorporated to utilize rainwater effectively.• Treated wastewater from the STP shall be reused for flushing, landscaping, and other non-potable applications.• Separate plumbing lines shall be provided for potable and recycled water to avoid cross-contamination.• Water meters shall be installed at suitable locations to monitor and control water usage.• The overall system shall be designed in compliance with NBC / CPWD / Local Authority guidelines and applicable water conservation norms.
Energy Management System Including Use of Renewable Energy*	We will use LED lights as well as solar lights in external areas for energy management system and considering Roof Top Solar Power Plant in selective areas as per GRIHA requirement, will use EV Charger's for 2 & 4 Wheelers.
Fire Protection And Fire Safety System*	<p>A comprehensive Fire Protection and Fire Safety System shall be provided in the building to ensure early detection, effective fire control, and safe evacuation of occupants.</p> <ul style="list-style-type: none">• The fire protection system shall be designed and installed in accordance with NBC 2016, Part 4, DBR, and applicable Fire Department guidelines.• An adequate and dedicated fire water storage shall be provided in the Underground Tank, with separate fire compartment.• A complete firefighting system comprising fire pumps (main pump, jockey pump, and standby pump), risers, down-comers, yard hydrants, landing valves, hose reels, and fire hose cabinets shall be provided as per fire norms.• Automatic sprinkler system shall be provided in areas as required by fire regulations.• Fire detection and alarm system including smoke detectors, heat detectors, manual call points,



कार्यालय, लखनऊ विकास प्राधिकरण

	<p>hooters, and fire alarm control panel shall be installed at appropriate locations.</p> <ul style="list-style-type: none">• Portable fire extinguishers of suitable type and capacity shall be provided at all required locations.• Fire pumps shall be provided with automatic operation and connected to emergency power backup.• Proper means of escape, emergency lighting, exit signage, and fireman lift (where applicable) shall be provided to ensure safe evacuation.• The entire system shall be tested, commissioned, and maintained as per Fire Authority requirements
Social Infrastructure And Other Public Amenities Including Public Health Services*	As per sanctioned plan.
Emergency Evacuation Services*	The staircase will be provided with emergency exit doors in each floor as per fire department specifications.
Other Miscellaneous Work*	Swimming Pool & changing Rooms, Sub-Station, Gate With Guard Room, Retaining Wall, UG Tank (825 KLD), Hume Pipes.

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