

12 Treatment and Disposal System of Sewage and Sullage water

The development is equipped with pipelines are connected to strategically located inspection chambers. The entire network leads to the STP, where wastewater is treated to prescribed standards. The treated water is then stored in an RCC storage tank and reused for garden irrigation thereby promoting sustainability.

Waste shall be removed from the site in an RCC storage tank and reused for garden irrigation thereby promoting sustainability.

Development works details		
SR NO.	DEVELOPMENT WORKS	ENTER BRIEF DESCRIPTION
1	Demarcation of plots	Demarcation has been completed as per layout
2	Boundry wall	The project will be secured with a robust <b>boundary wall</b> , comprising a <b>5.0 m deep RCC M25 diaphragm substructure</b> for structural stability. The visible portion of the wall shall have a <b>height of 3.6 m</b> , providing security, privacy, and a defined project perimeter. The design ensures long-term durability, resistance to lateral soil pressures, and compliance with structural safety standards.
3	Road work	The internal roads are designed and constructed to comply with NBC, suitable for carrying fire tenders. The pavement structure is engineered with adequate sub-base, base, and wearing course thicknesses to ensure durability, stability, and long service life under sustained load conditions.
4	Footpaths	The project will be provided with durable footpaths with PCC base.
5	Water supply including drinking water supply	Water will be sourced from the bore well and pumped to the Overhead Tank (OHT) via underground storage for distribution. An exclusive RCC storage tank is provided for domestic water supply, ensuring adequate capacity, reliable storage, and uninterrupted supply to all units within the project.
6	Sewer system	The development is equipped with a well-planned sewer network comprising wastewater pipes and soil waste pipes. These pipelines are connected to strategically located inspection chambers, ensuring ease of maintenance and monitoring. The entire network leads to the STP, where wastewater is treated to prescribed standards. The treated water is then stored in an RCC storage tank and reused for garden irrigation.
7	Drain	The project shall be provided with surface drainage. These drains are designed for efficient collection and discharge of surface runoff. Thereby facilitating smooth disposal of stormwater and preventing surface waterlogging within the premises.
8	Parks	Provided
9	Tree planting	The landscape development includes plantation of <i>Polyalthia longifolia</i> (Ashoka / Mast Tree), a vertical evergreen species with non-invasive roots, planted at such spacing to form a uniform green avenue and act as a natural screen. To enhance the ground cover and provide a lush visual effect, <i>Alternanthera</i> shrubs shall be planted underneath, creating a layered planting scheme that adds color, texture, and density to the landscape.
10	Design for electric supply including street lighting	The project will be equipped with high street lighting poles, fabricated from hot-dip galvanized steel for enhanced durability and corrosion resistance. Each pole will be fitted with energy-efficient LED street lights. The network will include evenly spaced inspection chambers for ease of maintenance. e/c as per requirement
11	Community buildings	The <b>ground floor of the clubhouse</b> is dedicated entirely to a <b>community building</b> , designed to serve as a functional utility, and a welcoming environment, fostering a sense of community for residents. The building will provide space for social interaction, gatherings, and recreational activities for residents. The building will be designed to serve as a functional utility, and a welcoming environment, fostering a sense of community for residents.

5.00 m

12	Treatment and Disposal System of Sewage and Sullage water	The development is equipped with a well-planned sewer network of wastewater pipes and soil waste pipes. These pipelines are connected to strategically located inspection chambers, ensuring ease of maintenance and monitoring. The entire network leads to the STP, where wastewater is treated to prescribed standards. The treated water is then stored in an RCC storage tank and reused for garden irrigation thereby promoting sustainability and reducing fresh water consumption.
13	Solid Waste Management And Disposal System	Garbage generated within the project will be <b>manually collected from each floor</b> and transported to a designated <b>garbage processing area</b> . After segregation and temporary processing, the waste shall be <b>removed from the site by the Municipal Corporation</b> , ensuring hygienic handling, compliance with local regulations, and maintenance of a clean and healthy environment within the premises.
14	Water Conservation System	The treated water is then stored in an RCC storage tank and reused for garden irrigation and drip irrigation along the roadside, thereby promoting sustainability and reducing fresh water consumption.
✓ 15	Energy Management System Including Use of Renewable Energy	The project shall be equipped with a <b>solar water heating system</b> designed to comply with the <b>Energy Management System (EMS) requirements</b> . The system utilizes <b>renewable solar energy</b> to reduce conventional energy consumption, enhance sustainability, and support efficient energy management across the development.
16	Fire Protection And Fire Safety System	The project shall be equipped with a comprehensive fire protection and fire safety system in compliance with applicable fire safety regulations and the fire approval. Key components include: Fire extinguishers for localized fire control. Hose reels and wet risers for immediate firefighting access. Yard hydrants for outdoor fire suppression. Automatic sprinkler systems for continuous area protection. Manually operated electric fire systems and electrically operated fire systems for emergency intervention. Automatic detection and alarm systems for early warning and safety monitoring. Underground static water storage tank and terrace tanks to ensure adequate water supply for firefighting. Pump near UG tank to maintain pressure and facilitate rapid water delivery to all firefighting systems. This integrated system ensures efficient fire response, occupant safety, and compliance with statutory fire safety standards throughout the development.
✓ 17	Social Infrastructure And Other Public Amenities Including Public Health Services	The ground floor of the clubhouse is dedicated entirely to a community building, designed to serve as a central space for social interaction, gatherings, and recreational activities for residents. The layout ensures accessibility, functional utility, and a welcoming environment, fostering a sense of community within the development.
18	Emergency Evacuation Services	A dedicated <b>refuge area</b> has been provided on the <b>18th floor</b> , adjacent to <b>Staircase-1</b> , to ensure the safety of occupants in the event of a fire or emergency. The space is designed to comply with fire safety regulations, offering a <b>protected and easily accessible safe zone</b> where residents can temporarily assemble while awaiting evacuation or rescue.
19	Other Miscellaneous Work	Club House with recreational activities

*J. K. K. K.*