

PLUMBING REPORT

(NEXUS CITY, T.S. No-89/1,89/2, Ward No-Z (26), Block No-6 (Old S.F. No-435/1) IN VILANKURICHI VILLAGE, COIMBATORE NORTH TALUK, COIMBATORE CORPORATION)

Category	Description
Potable water	
U.G sump	UG Sump – Domestic – a) Raw/Fire water Tank-1- 30,000 L (1.5 Day Storage) b) Raw/Fire water Tank-2- 30,000 L (1.5 Day Storage) Raw/Fire water Tank-1- 60,000 L (1.5 Day Storage) c) Filtered water – 60000 L (1day storage) d) Metro water provision 15000 L 1.5 Day Storage) e) Flushing water – 45000 L (one day requirement for flushing the WC alone, as a part of STP)
OHT	Sintex (Or) Equivalent tank: Domestic water tank = 40,000 L (8 Nos of 5000Ltrs sintex) and Metro water tank = 10000 L (2 nos of 5000Ltrs sintex) and Flushing water tank 20,000L (4 Nos of 5000 Ltrs sintex) and Fire Fighting Tank as per NBC - 25000 L (1 nos).
Bore well	No of bores will be done as per the water demand
Water treatment	A basic water treatment plant will be provided based only on a water sample test report. If the groundwater is portable / Good in nature then this item will not be applicable
Distribution	Gravity system will be used for Domestic, Flush water from the OHT for all floors. Metro water will be supply by gravity to the kitchen sink point only.
Drainage	
System	Soil & Wastewater disposal from toilets, utilities, and Kitchens is done by A two-stack system only with SWR Type – B, approved make. The disposal from the vertical stack into a basement as ceiling hung system and exiting through the basement retaining wall and pass through a battery network of inspection chambers to STP by SWR type – B / PVC DWC Pipe combination of 110mm, 150mm, and 200mm based on the design with required slope.
STP	A STP Capacity of 99 KLD SBR / FBBR type technology and UF treated water is recommended for flushing. The excess treated water will be disposed through nearest municipal connections
Distribution	Vertical 2-way stacks of sizes 50/75/110mm Dia used separate for grey and black waters and necessary gullies and cowls to prevent return foul airs to toilets, which in turn connects to a horizontal network of underground drainage lines of SWR pipe makes with sufficient inspection chambers of 600mm X 600mm sizes and slopes ranging from 1% to 1.5% terminating to STP for Treatment.
Rainwater	
Distribution	Agri pipe 6kg/sq.cm – 110 & 150 mm dia pipes collecting rainwater vertically from terrace and closed drains with sufficient catch basin chambers and along the entire perimeter of the property collects the rainwater and discharges into stormwater trench/rainwater percolation pits of required numbers located strategically on the driveway of the project for maximum recharge of ground table. Excess water is channelled out from these drains to the Municipality provided drains in the layout.

For TNCD LLP

 Designated Partner