

## **SOW – UG tank works at Padmini: Jul-2019**

### **Size: L-10', W-8', D-8' (Inner volume)**

#### **A. Excavation works:**

1. Excavate the earth for required size and depth, back filling and removal of excess earth from site. For the above mentioned dimensions

#### **B. UG tank civil works:**

1. Provide 3" sand filling and 4" PCC 1:4:8.
2. Lay 9" Thick RC Base slab with reinforcements for the designated area / dimensions.
3. Construct 9" RC Walls on all four sides and 6" RC Cover slab with reinforcements.
4. Construct 9" RC Wall to bifurcate the tank at a distance of 10' from one side on the length with reinforcements.
5. Provide 2' x 2' manhole opening with heavy duty FRP Manhole covers with locking facility – 2 nos.
6. Appropriate water proofing to be done to the flooring, inner and outer walls of the tank.  
**Note:** XYPEX C-2000 or equivalent waterproofing compound to be used while pouring the concrete for the sub-base slab. Contractor shall strictly follow manufacturer recommendations for mixing and application of the chemical.
7. Plaster the floor, inner walls and ceiling of the UG tank with CM 1:3.
8. Supply and fix 12"X8" premium quality ceramic tiles on the floor, and inner sides of all the walls. (Kajaria / Nitco / equivalent).
9. Provide FRP steps at the three manhole locations.
10. Provide SS level scaler for facilitating measurement of tank depth.
11. Construct 2'X2' water metering chamber of appropriate depth and with supply and fixing of heavy duty FRP cover with locking facility.

#### **A. Plumbing works:**

1. Supply and laying of 2" PVC (finolex / Trubore / equivalent) pipe line from the water deliver point to the the tank. 4 runs.
2. Supply and install NRV for the supply lines.

**Note:** Vendor to take necessary measurements during site inspection.