### Description of Item

1. **Sheet-IC**

**Construction of RCC Overhead Tank as per architectural drawings enclosed including testing of safe bearing capacity of soil from approved Engineering College or Soil Investigating agency approved from owner on design and build basis.** The structural design along with structural drawings to be submitted to consultant for approval. The Architectural drawings indicates the desired shape for the Overhad Tank and dimensions given are indicative only. The design criteria is fixed i.e. capacity of minimum 200 KL and staging height of 22m including all labour, material tools and plants etc. at all levels and height including supply and fixning of adequate dia CI pipe (Class LA) with necessary fittings to be provided for inlet, outlet, overflow, scour pipe with puddle pipe flange at bottom of dome including rubber packing and nut bolts etc. as approved.

The battery limit for pipes to be provided all pipes inside overhead tank and at or underground 6m away from RCC shaft with necessary control valve with masonry chamber (to make functional overhead tank complete in all respects) Scope of work in this item includes the following.

- **RCC Spiral staircase of 1000mm clear width with 1.00Mt. height MS railing as per design approved.**
- **Lighting Arrester, aviation light, internal lighting and external lighting central at gate (entrance).**
- **Inside the Tank, Cat Ladder 600mm wide to be provided as per approved design with 40mm GI pipe, 25mm dia GI pipe and 900mm height railing.**
- **For lighting and ventilation at every landing 450 x 900mm height openings to be provided with MS grills of approved pattern.**
- In overhead water tank water proofing of wall, base slab, roof and shaft by chemical injection method by approved agency carrying 10 years guarguarantee.

- **Outside RCC circular shaft plinth protection to be provided 2.5m wide allround in PCC 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over bed of brick ballast as per standard specification.**
- At entrance MS door to be provided.

- **All external area to be finished with two or more coats of water proofing external paint weathershield by ICI or premium acrylic smooth exterior paint with silicon additives by Asian Paints.**
- **All inside RCC shaft area to be finished with two or more coat of white wash with lime to give an even shade.**
- **Inside RCC shaft 25mm thick kota stone flooring to be proveded as per specification.**
- **Staircase step and riser 25 mm thick rough kota stone flooring to be laid as per specification.**
- **All steel work including railing, grilles, gate to be painted with or more coats of water based enamel paint over steel primer etc. all complete of approval shade.**