

DESIGN OF REINFORCED & CONCRETE STRUCTURES

ASSIGNMENT:2

1. Fix the basic dimensions of Intz type container of an elevated water tank to store 7.5 lacs liter of water and design the top dome.
2. Design a circular tank for the following data. Diameter of tank= 6 m, Depth of water= 3.75 m. The tank rests on ground. The wall and base slab are not monolithic.
3. A circular water tank with flexible base, 12m diameter and 8m height is provided at ground level. Calculate the thickness of cylindrical wall required & design the wall at bottom. Assume concrete grade M25 and Fe415 grade steel.

