

NIRMAAN – EWR:

Excellence and Innovation combined builds better!

Elevated Water Reservoir (EWR) is a technical structural event in which you have to build elevated reservoir by using your structural knowledge.

- **Entry Fees:**

For VIIT: 100/-

For Non-VIIT: 150/-

- **Participants per group: 4**

- **Prize - 1st Prize: 3000/-**

2nd Prize: 2000/-

- **Material to be provided:**

- Popsicle sticks.
- Fevicol.
- Scissor/cutter.
- Scale (30 cms).
- Rubber bands.

- **Rules :**

1. Base criteria:

- Supporting Base to water tank at GL is not compulsory.

L/B ratio: 1 to 1.5

2. Column criteria:

- Minimum height of column from bottom to the base of storage capacity: 25 cm
- Truss/frame (Bracings) is not compulsory.
- Maximum 4 columns should be there.

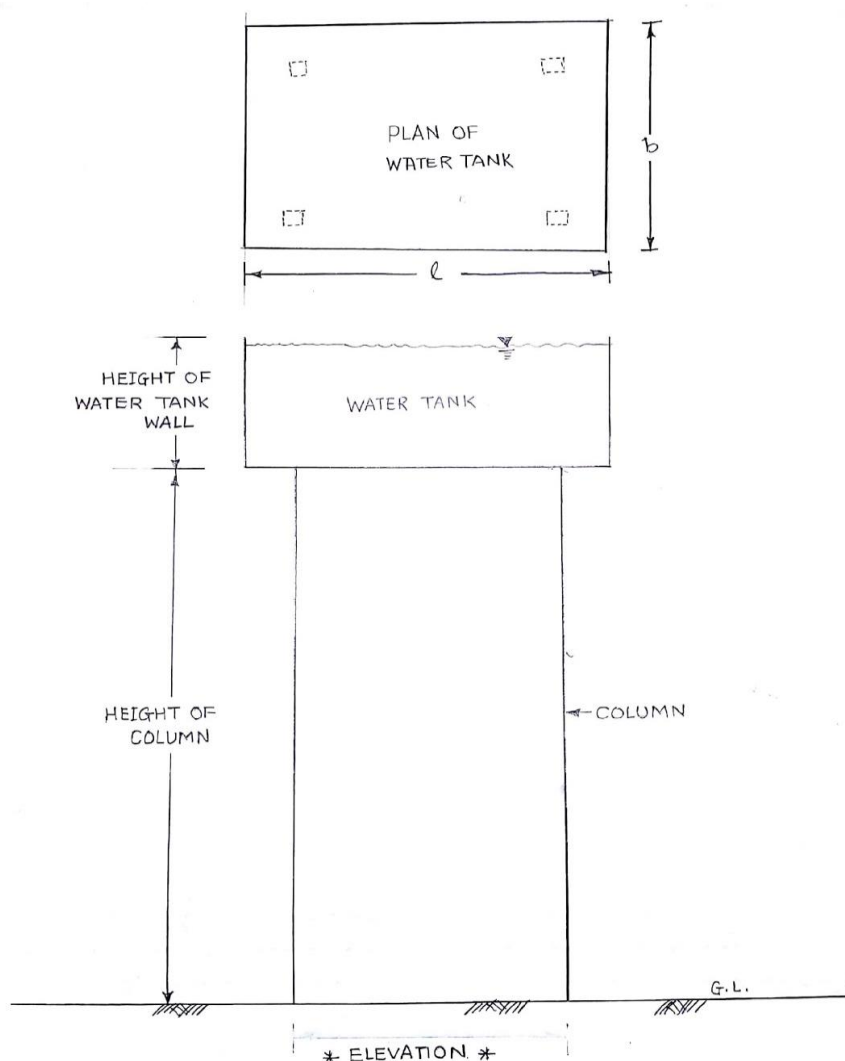
3. Water Tank:

- Volume: 700 to 750 cu.cm.
- Minimum height of water tank walls: 5 cm.

- **Note:**

- Load will be applied axially.

- Model should look like elevated reservoir.
- Use of provided materials only is allowed, no other materials should be used.
- All rights are reserved by coordinator.
- Even if the water tank is designed for storage of water, testing will be done by applying axial load only, not by water.
- **Winner will be decided on the following basis:**
 - Ratio of maximum load carried to the self weight of model.
 - Deflection in lateral and vertical direction will be taken into consideration.
- **Reference Diagram :**



- Minimum Entries: **20**.
- **Contact:** Prajwal Gunjal
(+91 9130505338)

Rahul Gunjal
(+91 9146219998)