

## IV REPORT – SATTAVA CONSTRUCTION Pvt LIMITED, PALLAVARAM

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# ADHI

COLLEGE OF ENGINEERING & TECHNOLOGY

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## REPORT ON INDUSTRIAL VISIT TO SATTAVA CONSTRUCTION PVT LIMITED AT PALLAVARAM, CHENNAI.

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**Date of Visit: 1-03-2017**

Totally **46 students of III year CIVIL** of ACET visited the ‘Sattava engineering construction’ PVT limited at Pallavaram Chennai. The students were accompanied by three faculty members. This company takes over all the projects of ‘METRO WATER PROJECTS’.

The students started from ACET campus by 09.15 a.m. and reached the SATTAVA CONSTRUCTION campus by 11.00a.m.

The site engineer, **Mr. Jayaganesh**, welcomed the students and explained about the site and its work to the students.

**Issues faced while construction of water tank:** The site engineers shared his experience with the students. They also explained about what the difficulties and short comings faced by them and how they overcame them while construction of water tank.

**Water tank Visit:** Students visited the water tank and learned the following:

1. The diameter of the tank,
2. The capacity of the tank is about 28 lakhs
3. Total height of the tank is about 25m
4. The grade of concrete used is M30 which carries much load.
5. They showed the design layout of the tank from the municipality

**Plan details and the reinforcement:** There are 37 numbers of columns and the footing is about 4.8m depth. The dimension of the lower column is 600\*600mm and the middle column is 550\*550mm and the upper column is 400\*400mm.They are using double mat instead of single mat as the water tank carries heavy load. The water is filled using 75mm diameter pipes

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and with the pressure of 350kg f/cm<sup>2</sup>.they are using three legged stirrups in place of two legged.

**Estimation of the water tank:** The estimation of the project is 57 crores and the estimation of the tank is 3 crores.

### Photos:



**Students visiting – Water Tank**



**Students clearing doubts regarding – tank construction to Er.Jayaganesh**

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**Students visiting Beam reinforcement with chief engineer**



**Chief Engineer clearing PLAN and EXECUTION work to Students**