

## Visit Report

**Name of Organization visited: Aquarius Engineers Pvt. Ltd.**

**Date of Visit: 18/02/2026**

**Time of visit: 3.00 pm**

**Place of Visit: Aquarius Engineers Pvt. Ltd. (Head Office), Karve Rd, Pune**

**Mode of Transport: Self**

**VIIT Members visited:**

Dr.Pravin P.Hujare, Abhijeet Desai, Yash Shitole, Vasant Shinde, Animesh Ninawe, Yash Pawar.

**Industry Person interacted:**

**Mr. Santosh Jadhav, Manager, Aquarius Engineers Pvt. Ltd**

**Agenda:**

- ◆ To understand load conditions, anchoring system, and structural analysis of base frame and mast.

**Minutes of Meeting:**

- ◆ Discussed parameters like mass and C.G., M30 bolts, and anchoring length.
- ◆ Studied effect of anchor length and found need to determine critical length.
- ◆ Analyzed base frame under different conditions like height, span, and weight.
- ◆ Understood structures (base frame, lift shaft frame, floor frame) and mast configuration.
- ◆ Material used is high tensile steel.

**Photographs (if any)**



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### Action and responsibility:

- ◆ Load calculation methodology to be developed.
- ◆ Critical anchoring length to be calculated.
- ◆ Base frame bolt analysis under different conditions to be performed.
- ◆ Team will collect data, perform analysis, and prepare report with guidance.

### Outcome:

- ◆ Gained understanding of load calculation and anchoring system.
- ◆ Identified key factors affecting base frame stability.
- ◆ Prepared base for further structural analysis.



**Dr. Pravin P Hujare**

**Professor**

**Department of Mechanical Engg., VIT, Pune**