

Department : Civil

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Guided By

DR. AMI H. SHAH

SMT. S. R. PATEL ENGINEERING COLLEGE, UNJHA

Project Title

COMPARITIVE STUDY OF WATER TANK DESIGN BY STAAD PRO

Abstract:

Storage reservoirs and overhead tank are used to store water, liquid petroleum, petroleum products and similar liquids. The force analysis of the reservoirs or tanks is about the same irrespective of the chemical nature of the product. All tanks are designed as crack free structures to eliminate any leakage. This project gives in brief, the theory behind the design of liquid retaining structure (Elevated circular water tank with domed roof and conical base) using working stress method. Elements are design in limit state method. The water tank also design and Analysed in Staad Pro software. Design of water tank is a very tedious method. The Supporting Tower has two types (Shaft and Frame system) in Intze Tank. They two types support has different Quantity of materials and Wind factor. So, Selection of Supporting tower is very important in intze tank. The comparison is requiring to describe important support for Intze Tank. So, we can describe the better Support and design for Intze Tank.

Prepared By:

Sr. No.	Student Name	Enrollment No
1	DHENIYA VISHAL B.	110780106030
2	SONI SMIT S.	100780106049
3	RAVAL BRIJESH M.	100780106059
4	PRAJAPATI NIRMAL V.	100780106039

