

STRUCTURES DESIGN LAB

Paper Code: ETCE-356

Paper: Structures Design Lab

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List of Experiments:

1. Detailed design of structural elements of a multistory building [G+3 or more] as per recommendations of BIS: 1893-2002, BIS: 456-2000, BIS 13920:1993.
2. Design of Elevated and underground RCC water tank as per BIS:3370-1965
3. Design of Cantilever and counter-fort retaining walls
4. Design of box Culvert
5. Design of Pre-stressed concrete beams
6. Design of elevated steel water tank
7. Design of transmission line towers
8. Ductile detailing of structure elements and joints for seismic design as per BIS 13920:1993

Rest two experiments will be provided by the institute

NOTE:- At least 8 Experiments out of the list must be done in the semester.