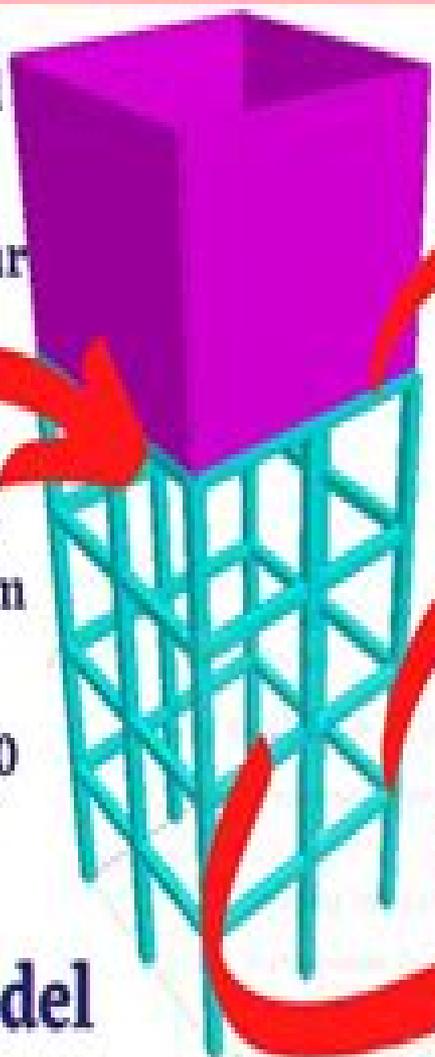


Full Rectangular water tank Design

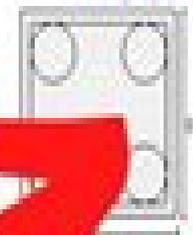
- Utility : Residential
- Height staging : 12m
- Type : Rectangular
- Concrete Grade : M30
- Steel grade : Fe415
- Column : 0.3m X 0.3m
- Beams : 0.3m X 0.23m
- Slab : 150mm
- Code : IS -456-2000

Tank data

Water Tank model



Beams Design



Design Load		Design Parameter	
Load	1	Factor	1.5
Location	End 1	Factor	1.5
Section	0.3x0.23	As Required	1.5
Reinforcement	1.5	As Req.	1.5
Reinforcement	1.5	Reinforcement	1.5

Column Design

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Advances in Civil Engineering: Sustainable and Cost-Effective Approaches Sanjay Kumar Shukla, Sumit Kumar, Jitu Kujur, 2026-01-01 This book presents select proceedings of the International Conference on Research and Innovation for Sustainability in Civil Engineering RISCE 2024 It highlights recent advances in civil engineering with a strong emphasis on sustainable and cost effective practices The contributions address key challenges related to environmental concerns such as climate change and global warming Covered topics include green building design innovative and sustainable construction materials efficient resource and project management eco friendly transportation systems water resources management and the development of resilient and smart infrastructure This volume serves as a valuable reference for researchers professionals and decision makers engaged in promoting sustainability in civil engineering

International Conference on Sustainable Planning, Architecture and Civil Engineering (SPACE 2026) Prof. H.K. Sharma, Dr. Jitendra Singh Yadav, Dr. Pankaj Munjal, Dr. Amit Kumar Jaglan, 2026-01-21 This book presents the proceedings of the International Conference on Sustainable Planning Architecture and Civil Engineering SPACE 2026 hosted by the National Institute of Technology Kurukshetra In an era of rapid urbanization and climate change building resilient and sustainable infrastructure has become an urgent global imperative This volume addresses that need offering a vital platform for interdisciplinary dialogue among researchers architects engineers and policymakers Focusing on the integration of sustainability across the entire lifecycle of the built environment the compendium explores innovative theories and practical applications Key themes include sustainable architecture smart infrastructure energy efficient technologies water management and the use of advanced digital tools like AI IoT and GIS Featuring rigorously peer reviewed research papers organized into thematic sections this publication serves as a valuable reference for academics and professionals It aims to stimulate further innovation and collaboration providing actionable insights for developing the sustainable resilient cities of the future The collective knowledge within these pages contributes meaningfully to the global pursuit of balanced and inclusive growth

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