## Theory of Structure

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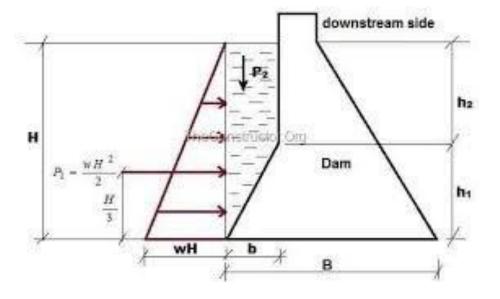
Civil Technology

## The meaning of middle third law

In civil engineering, the Middle Third Rule states that **no tension is**developed in a wall or foundation if the resultant force lies within the middle third of the structure.

## Stability of a masonry dam

Therefore, the requirements for stability are, The dam should be safe against overturning. The dam should be safe against sliding. The induced stresses (either tension or compression) in the dam or in the foundation should not exceed the permissible value.



## Forces Acting on Gravity dam | Components | Design criteria

