

Development of cost functions for circular tanks for sewage treatment plants

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Abstract: Detailed cost estimates for circular tanks of 2 to 40 m diameter were prepared. The designs were worked out using SEPL - Tank software following IS 3370 and IS 456. Detailed quantities of steel and concrete were computed and cost curves were derived. The equation of cost and capacity came out to be $\text{cost} = 0.0034 \text{ volume}$. The cost per L capacity varied between Rs. 2.15 to Rs. 0.34 and was observed to be constant for tanks of diameter greater than 35 m. © 2005 - Kalpana Corporation.