

HOW TO CALCULATE QUANTITY OF BINDING WIRES FOR STEEL BARS

Binding wires are used to tie the steel bars. Besides estimating of steel quantity for different members it is also important to know the required amount of binding wires. So that we can order correct quantity of steel. In this article, I will discuss how to calculate quantity of binding wires.

Well, let me tell you one thing first, there is no such formula for calculating binding wires.

Instead, we use some thumb rules as per construction industry.

The quantity of binding wires depends on the type of structure where it will be used and type of bar (diameter of bar length of bar). As per thumb rules

Requirement of binding wires for 1 quintal (100 kg) of steel reinforcement = 9 kg to 13 kg

Requirement of binding wires for 1 ton (1000 kg) of steel reinforcement = 9 to 13 kg

Thus, binding wire required for tying 1000 kg of 8 mm bars is about to 12 kg and for 28 mm or 32 mm bars it will be approximately 7 kg.

Greater the diameter of the bar, lesser the quantity of binding wire.

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