

**HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT**

No. PW/ SE-D(III)/ Misc./20-21-
To

1928-2027

Dated 15/01/21

The Engineer-in-Chief (Project)
HP PWD Nirman Bhawan
Shimla -02

All the Chief Engineers
in HP PWD

All the Superintending Engineers
in HP PWD

All the Executive Engineers
In HP PWD

Subject:- Norms for tentative consumption of reinforcement steel/concrete Ratio for the estimating purpose.

In order to have uniformity in quantum of reinforcement steel to be taken in estimates and to avoid deviation during the execution of works, following norms of reinforcement steel are hereby fixed to prepare the estimates in HP PWD throughout the state:-

STRUCTURAL MEMBER (R.C.C.)	Quantum of reinforcement steel w.r.t. Qty. of concrete in R.C.C. work.
(i) Columns	295Kg /cum
(ii) Isolated Footings	70 kg/cum
(iii) Combined Footing/Raft Footing	90kg/cum
(iv) Beams	210 Kg/cum
(v) Roof Beams/Plinth Beams	180 Kg/cum
(vi) Slab/Diaphragm Wall	120 Kg/cum
(vii) Staircase	135 Kg/cum
(viii) RCC Water Tank	60 Kg/cum
(ix) Cantilever /counter fort R/wall	80 Kg/cum

In future, the above norms shall be adopted for R.C.C. work to prepare the estimates.

Engineer-in-Chief
HP PWD Nirman Bhawan
Shimla -02

✓ Copy forwarded to Nodal Officer (IT) HP PWD, Nirman Bhawan, Shimla-2 with the direction to upload the above on HP PWD website.

Engineer-in-Chief
HP PWD Nirman Bhawan
Shimla -02

FR
Sharma
16/01/2021
upload on
dept's
website
JOA(CIT)
JECIT)