

Structures & Building & Construction & Manufacturing Components & Supplies		-UNSPSC: 30			
Major Product category : - Structural materials & basic shapes		UNSPSC Code :3010			
Sub Category :- Post		UNSPSC Code :301029			
RCC Guard stone Type B (Cement or concrete posts) : UNSPSC Code - 30102901					
S no	Parameters	CH/N	Value 1	Unit	Remarks
Generic					
1	RCC Guard stone Type	Ch	Type B		G
2	RCC Guard Stone Total Height	N	TBD	cm	G
3	RCC Guard Stone size Top (H x W X T)	N	100 cm x 15 cm x15 cm	cm	G
4	RCC Guard Stone Bottom (H x W X T)	N	TBD	cm	G
5	Top shape of the guard stone	CH	Plane shape		M
Costructional					
1	Reinforcement- Main vertical bars 6.0mm dia round MS bars	N	2 Nos.	nos	M
2	Reinforcement- Main vertical bars Length each in cm Approx.	N	200 cm	cm	M
3	Nos of Stirrups of 6 mm dia round MS bars	N	5 Nos	nos	M
4	Approximate length of Stirrups	Ch	50 cm each	cm	M
5	Cement Concrete Mix Ratio	Ch	1:2:4 (cement : sand : metal or coarse aggregate)		M
6	nominal size Fine / coarse aggregate	N	12.5/ 20 mm	mm	M
7	Sand used should be free from clay & salt	Ch	yes		M
8	Grade for Concrete Mix	Ch	M-15 of IS:456		M
9	Manufacturing	Ch	In order to ensure desired compressive strength, RCC stones should be compacted with the help of plat form vibrator		M
10	Surface shall be uniform and free from voids	Ch	yes		M
11	Concrete cover over the reinforcement conforming to IS: 456/2000 with up to date amendments.	N	≥ 15mm	mm	M
12	Dimensional tolerance	N	+/- 7 mm	mm	M
13	MARKING on stone	Ch	clearly and indelibly marked with the following particulars either during or after manufacture, but before testing, at a position so as to be easily read after erection in position: a) Year of manufacture, b) Type of post and c) Maker's serial number or trade-mark.		M
PERFORMANCE					
1	Absorption testing at independent laboratory/manufacturers laboratory as per IS: 3597/1998 with up to date amendments at the time of first Supply	CH	yes		M
2	Compressive Strength of concrete cure (357 Kg/Sq. cm min.) as per IS: 516/1959 with up to date amendments (reaffirmed 2004) After 28 days curing	N	≥ 357 Kg/Sq. cm min.)	Kg/Sq. Cm	M
Certifications					
1	Availability of Test Report from Central Govt./NABL/ ILAC accredited lab to prove conformity to declared parameters	Ch	Yes		G
2	Certificate indicating quality of Cement and concrete mix.	Ch	to be provided to user on demand		M
3	Test Certificate of Steel Reinforcement.	Ch	To be provided to user on demand		M
4	Guaranty/ Warranty	N	1	year	M