

Structures & Building & Construction & Manufacturing Components & Supplies -UNSPSC: 30									
Major Product category : - Structural materials & basic shapes UNSPSC Code :3010									
Sub Category :- Post UNSPSC Code :301029									
Reinforced concrete fence posts Straight (Cement or concrete posts) : UNSPSC Code - 30102901									
S no	Parameters		Value 1	Value 2	Value 3	Value 4	Value 5	Unit	Remarks
Generic									
1	RCC Fencing poles of f types	Ch	Straight type						G
2	RCC Fencing poles lengths	N	1.6	1.8	2	2.3	2.45	meter	G
Constructional & Dimensional									
1	Reinforcement- Main vertical bars	Ch	6.0mm dia round MS bars - 4 Nos.		6.0mm dia TMT MS bars - 4 Nos.				F
2	Stirrups shall be of 6 mm dia round MS bars 20 cms centre to centre	Ch	09 Nos. Stirrups for 1.6mtrs. pole	10 Nos. Stirrups for 1.8mtrs. pole	11 Nos. Stirrups for 2.0mtrs. Pole	12 Nos. Stirrups for 2.3mtrs. Pole	13 Nos. Stirrups for 2.45mtrs. pole		G
3	Hooks for fixing barbed wire made of 6 mm dia MS bar	Ch	Hooks 5 Nos. be provided for fixing barbed wire in 1.6/1.8 mt. long poles		6 Nos. hooks be provided for fixing barbed wire in 2.0 mt. long poles		7 Nos. hooks be provided for fixing barbed wire in 2.3/2.45 mt. long poles		F
4	Top hook should be provided 100mm below the top of pole	Ch	yes						M
5	Bottom hook should be provided 500 mm above the bottom of the pole	Ch	yes						M
6	The central distance between the top and bottom hooks shall be equally divided to fix remaining hooks.	Ch	yes						M
7	Top Section of Pole	Ch	for size 1.6 mtrs., 1.8 mtrs., 2.0 mtrs, 2.3 mtrs : 8 cms x 8 cms Square		for size 2.45 mtrs : 10cmsx10cms square				F
8	Bottom Section of Poles	Ch	for size 1.6 mtrs., 1.8 mtrs., 2.0 mtrs, 2.3 mtrs : 10 cms x 10 cms, square		for size 2.45 mtrs : 15cmx15cm square				F
9	Cement Concrete Mix Ratio	Ch	1:2:4 (cement : sand : metal or coarse aggregate)						M
10	nominal size Fine / coarse aggregate	Ch	12.5/ 20 mm						M

11	Sand used should be free from clay & salt	Ch	yes				M
12	Grade for Concrete Mix	Ch	M-15 of IS:456	M-25 of IS:456			F
13	Manufacturing	Ch	In order to ensure desired compressive strength, RCC fencing poles should be compacted with the help of plat form vibrator				M
14	Surface shall be uniform and free from voids	Ch	yes				M
15	concrete cover over the reinfor cement	Ch	$\geq 15\text{mm}$				M
16	MARKING on Fence Poles	Ch	The fence posts shall be 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 fence post (see 2), and c) Maker's serial number or trade-mark.				M
PERFORMANCE							
1	Impact Test	Ch	When tested in accordance with the method of test described in Appendix C to IS 4996 latest , the test specimen shall show no visible permanent cracking				M
2	Static Load Test	Ch	When tested in accordance with the method of test described in Appendix C to IS 4996, the load required to produce the first visible crack in the reinforced concrete post shall be not less than 700 N				M
Certifications							
1	Availability of Test Report from Central Govt./NABL/ILAC accredited lab to prove conformity to declared parameters	Ch	Yes				G
2	Test Report to be submitted to the buyer on demand	Ch	yes				M
3	Guaranty/ Warranty	N	1	2	5	year	G