

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 Bend Type-II (Cement or concrete posts) : UNSPSC Code - 30102901

S no	Parameters		Value 1	Value 2	Unit	Remarks
Generic						
1	RCC Fencing poles of type	Ch	Bend Type II			G
2	Height of vertical (straight) column	N	3 meter		meter	G
3	Length of taper column	N	75 cm		cm	G
Constructional						
1	Reinforcement for Main vertical bars	Ch	10.0mm dia TMT MS bars.- 4 Nos	10.0mm dia round MS bars.- 4 Nos		F
2	Reinforcement for Stirrups	Ch	6mm dia round bars not more than 15cm centre to centre (25 Nos.)	6mm diaTMT bars not more than 15cm centre to centre (25 Nos.)		F
3	Hooks for fixing barbed wire	Ch	16 nos. Hooks be provided for fixing barbed wire in each fencing pole.			M
4	Distance of Top hook provided below the top of pole	N	100mm		mm	M
5	Bottom hook provided above the bottom of the pole	N	750mm		mm	M
6	Hooks shall be provided at equidistance	Ch	yes			M
7	Angle between vertical column and taper column	N	45 degree		Degree	M
8	Cross Section of Pole at bottom end	Ch	15 cm x 15 cm		cm x cm	M
9	Cross Section of Pole at top (where the taper column start	Ch	10 cm x 10 cm		cm x cm	M
10	Cross Section of Pole at Top end	Ch	7.5 mm x 7.5mm		cm x cm	M

11	Cement Concrete Mix Ratio	Ch	1:2:4 (cement : sand : metal or coarse aggregate)					M
12	nominal size coarse aggregate	N	12.5mm				mm	M
13	Sand used should be free from clay & salt	Ch	yes					M
14	Grade for Concrete Mix	Ch	M-15 of IS:456		M-25 of IS:456			F
15	Manufacturing	Ch	In order to ensure desired compressive strength, RCC fencing poles should be compacted with the help of platform vibrator					M
16	Surface shall be uniform and free from voids	Ch	yes					M
17	Concrete cover over the reinforcement	Ch	not be less than 15mm					M
18	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 450 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