

Structures &amp; Building &amp; Construction &amp; Manufacturing Components &amp; Supplies

-UNSPSC: 30

Major Product category : - Structural materials &amp; basic shapes UNSPSC Code :3010

Sub Category :- Post UNSPSC Code :301029

Reinforced concrete fence posts Bend Type-I (Cement or concrete posts) : UNSPSC Code - 30102901

S no	Parameters		Value 1	Value 2	Unit	Remarks
<b>Generic</b>						
1	RCC Fencing poles Type	Ch	Bend Type I			G
2	Height of vertical (straight) column	N	2.45 mtrs		mtrs	G
3	Length of taper column	N	450		mm	G
<b>Constructional</b>						
1	Reinforcement for Main vertical bars	Ch	8.0mm dia round MS bars - 4 Nos for Type I	8.0mm dia TMT MS bars- 4 Nos for Type I		F
2	Reinforcement for Stirrups	Ch	6mm dia round M S bars not more than 25cm centre to centre (13 Nos.)			M
3	Hooks for fixing barbed wire	Ch	12 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	50 mm		mm	M
5	Bottom hook provided above the bottom of the pole	N	650 mm		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	17cmx17cm		cm xcm	M
9	Cross Section of Pole at top (where the taper column start	Ch	13 cm x 13cm		cm xcm	M
10	Cross Section of Pole at Top end	Ch	10 cm x 10 cm		cm xcm	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
<b>PERFORMANCE</b>							
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
<b>Certifications</b>							
1	Availability of Test Report from Central Govt./NABL/ ILAC accredited lab to prove conformity to declared parameters	Ch	Yes				M
2	Test Report to be submitted to the buyer on demand	Ch	yes				M
3	Guaranty/ Warranty	N	1	2	5	year	G