

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 5th KM Stone (Cement or concrete posts) : UNSPSC Code - 30102901

| S no | Parameters | CH/N | Value 1 | Unit | Remarks |
|----------------------|---|------|---|------|---------|
| Generic | | | | | |
| 1 | RCC stone Type | Ch | 5th KM stone | | G |
| 2 | RCC 5th KM Stone length | N | 152.5 cm | cm | G |
| 3 | RCC 5th KM Stone size at Top (H x W X T) | N | 94.5 cm x 50 cm x25 cm | cm | G |
| 3 | RCC 5th KM Stone size at Bottom (H x W X T) | N | 58 cm x 52 cm x27 cm | cm | G |
| 6 | Top shape of the stone | CH | TBD | | 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 | 220 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 | 100 cm | 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 amendements. | N | $\geq 15\text{mm}$ | 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 amendements 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 amendements (reaffirmed 2004) After 28 days curing | N | $\geq 357 \text{ Kg/Sq. cm min.}$) | 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 |