

| 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 Ordinary KM stone - Type A (Cement or concrete posts) : UNSPSC Code - 30102901     |  |      |   |      |         |
| S no   | Parameters   | CH/N | Value 1   | Unit | Remarks |
| <b>Generic</b>   |  |      |   |      |         |
| 1  | RCC Ordinary KM stone Type                                 | Ch   | Type A  |      | G       |
| 2  | RCC Ordinary KM Stone Total lengths                        | N    | 96 cm   | cm   | G       |
| 3  | Stone size at Top ( H x W X T)                             | N    | 56 cm x 35cm x27 cm   | cm   | G       |
| 4  | RCC Stone size at centre Collar( H x W X T)                | N    | 10 cm x 37cm x25 cm   | cm   | G       |
| 4  | RCC Stone size at Bottom ( H x W X T)                      | N    | 30 cm x 35 cm x25 cm  | cm   | G       |
| 6  | Top shape of the KM stone                                  | CH   | half round shape  |      | M       |
| <b>Costructional</b>   |  |      |   |      |         |
| 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    | 210 cm  | cm   | M       |
| 3  | Nos of Stirrups of 6 mm dia round MS bars                  | N    | 6 Nos   | nos  | M       |
| 4  | Approximate length of Stirrups                             | Ch   | 100 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 |
| <b>PERFORMANCE</b>    |   |    |   |           |   |
| 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 |
| <b>Certifications</b> |   |    |   |           |   |
| 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 |