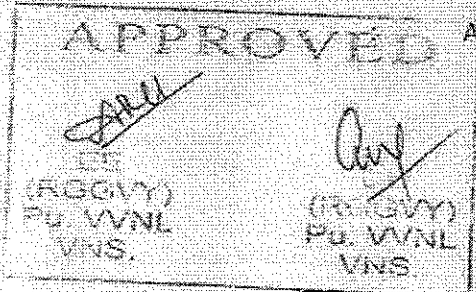


RGVY Phase-II
for NCC Ltd Hyderabad

GUARANTEED TECHNICAL PARTICULARS (GTP) OF 8.5 M LONG 200 Kg Working Load PCC POLE

- | | | | |
|-----|--|---|--|
| 1. | Overall Length of the Pole | : | 8.5 Meters |
| 2. | Depth of Plantation | : | 1.52 Meters |
| 3. | Minimum Ultimate Transverse Load | : | 500 Kgs Acting at 300mm from Top. |
| 4. | Weight of the Pole in kgms. | : | 415 Kgs |
| 5. | Factor of Safety | : | 2.5 |
| 6. | Working load applied at 300mm from top | : | 200 Kgs |
| 7. | Volume of the pole in Cu. Meters | : | 0.172 Cu. Meters. |
| 8. | Dimensions of the Pole: | | |
| | a) Top Dimension | : | 145mm X 90mm |
| | b) Bottom Dimension | : | 300mm X 90mm |
| 9. | Actual Consumption/Quantity material
Used in the manufacture of each pole | | |
| | I)- a) Cement | : | 86.7 kg approx (exclusive of wastage) |
| | b)- Aggregates I. Sand | : | 0.06 cubic mtr |
| | II. Stone Chips | : | 0.148 cubic mtr |
| | II)- Reinforcements Bars & Wires: | | |
| | I)-H.T. Wire a) Dia. of the wire | : | 4.0 mm |
| | b) Nos of wires I. (Tentioned) | : | 14 Nos |
| | c) No of Wire (Un - Tensioned) | : | 2 Nos |
| | d) Weight of Wires | : | 13 Kgs (Approx inclusive of wastage) |
| | e) Lengh of Un-Tensioned Wire | : | 4.3 Mtr |
| | II)-B. Other M.S/HTW. Reinforcements | : | |
| | a)- H.T. Wire Rings | : | 4.0mm HT Wire or 6mm MS round bar
Total 12 nos. |
| | b)-Milled Steel Hooks | : | 2 Nos |
| | c)- Weight of Steel | : | 0.4 Kg per pole. |
| 10. | Concrete cover/clear cover | : | 20mm |
| 11. | Process adopted for Compaction & Curing | : | Electromagnetic/Sutter vibrators |
| 12. | Earthing Arrangement in each pole. | : | As per drawing |
| | a) Length of GI Wire & SWG | : | 7.5M, 8 SWG |
| | b) Weight of GI Wire | : | Aprox 0.750kg Per Pole. |
| 13. | Method of Pre- stressing | : | By Tensioning of HT wires through Machine |
| 14. | Concrete Mix & Cube Strenght: | | |
| | a) 72 Hrs. | : | 210 Kg/Cm ² |
| | b) 28 daus | : | 420 Kg/Cm ² |
| 15. | Are these poles suitable for use at angle points
where stays are needed. | : | Yes |

16. Pole Marking



As per Pt 9 of TS (Vol 2)

