

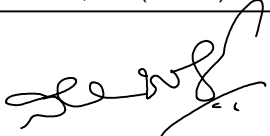
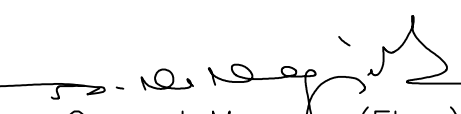


TECHNICAL GUARANTEE PARTICULARS:

SECTION	
CONCRETE QUANTITY PER POLE	0.203 Cu.M
CONCRETE GRADE	M-40
STEEL QUANTITY PER POLE	14.0 Kg.
OVERALL LENGTH SUPPORT	9.0 Mtr
PLANTING DEPTH	1.7 Mtr
DIAMETER OF PRESTRESSING WIRE	4mm
NUMBER OF TENSIONED WIRES	12 NOS
NUMBER OF UNTENSIONED WIRES	2 NOS
PRE-TENSIONED APPLIED TO EACH 4mm WIRE	1760 Kgs
MINIMUM CUBE STRENGTH OF CONCRETE AT 28 DAYS	420 Kg/Cm ³
CLEAR COVER WIRES	20mm
FACTOR OF SAFETY	2.5
WORKING LOAD	200 Kgs
ULTIMATE LOAD	500 Kgs
WEIGHT OF POLE	480 Kgs.
LOAD APPLICATION AT A POINT FROM THE TOP	600 mm
ULTIMATE TENSION STRENGTH FOR 4mm WIRE	17500 Kg/Cm ²

NOTES:—

- FOR HOLDING PART LENGTH UNTENSIONED WIRES IN POSITION, 4mm ϕ M.S STIRRUPS MAY BE USED WITH SUITABLE SPACING.
- IF ANY PRACTICAL DIFFICULTY IS EXPERIENCED IN USING PART LENGTH UNTENSIONED WIRES, FULL LENGTH WIRES MAY BE USED INSTEAD. BUT THE TENSION IN THESE WIRES SHOULD NOT EXCEED 9% OF THEIR U.T.S VALUE HOWEVER IT MAY BE NOTED THAT USE OF PART LENGTH UNTENSIONED WIRES WILL BE MORE ECONOMICAL.
- FOR MORE DETAIL REFER I.S.1678.

	Signatures	All dimensions are in mm unless otherwise stated.	ಬೆಸಕಂ  BESCOM
Chd	 AGM (QS&S)	REINFORCEMENT DETAILS OF 9.0 M 200 Kg.	Approved:
Sub	 DGM (QS&S)	PRESTRESSED CEMENT CONCRETE POLE FACTOR OF SAFETY=2.5	 General Manager, (Elec.) QS&S
	SCALE: N.T.S	(P.S.C.C)	DRG.NO.BESCOM/GM/QS&S/50 REV-002 DATED:24-11-2018