



FACTOR OF SAFETY	2.5
CONCRETE GRADE	M-420
DIAMETER OF PRESTRESSING WIRE	4 mm.
ULTIMATE TENSILE STRENGTH OF PRESTRESSING WIRE	17500 Kg./Cm ²
NUMBER OF TENSIONED WIRES	8
NUMBER OF UNTENSIONED WIRES	2
CONCRETE QUANTITY PER POLE	0.115M ³
STEEL QUANTITY PER POLE	6.81 Kg.
WEIGHT OF POLE	280 Kg.
CLEAR COVER TO WIRES	20 mm.
LOCATION OF HOLES AS PER REC STANDARDS	
●	DENOTES TENSIONED WIRES
X.	DENOTES UNTENSIONED WIRES
+	POSSIBLE POSITION OF EARTH WIRE

ALL DIMENSIONS ARE IN mm.
DRAWING NOT TO SCALE

NOTES

- FOR HOLDING PART LENGTH UNTENSIONED WIRES IN POSITION, 4 mm. ϕ MS 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 5% OF THEIR U.T.S VALUE. HOWEVER IT MAY BE NOTED THAT USE OF PART LENGTH UNTENSIONED WIRES WILL BE MORE ECONOMICAL.

चित्र संख्या १ :- पूर्वबलित कंकरीट खम्भे का विवरण

DRG.NO.1 :- REINFORCEMENT DETAILS OF 7.5 M / 140 Kg.
PRESTRESSED CONCRETE POLE (FACTOR OF SAFETY - 2.5)