



NOTE :

- ALL DIMENSIONS ARE IN MM.
- DRUMS SHALL GENERALLY CONFIRM TO IS 1778-1980 AMMENDMMT No.1 Of June 1989 EXCEPT OTHERWISE SPECIFIED.
- TWO LENGTH OF EARTHWIRE SHALL BE WOUND ON EVERY DRUM
- THE STANDARD LENGTH OF THE EARTHWIRE AND EQUIVALENT SIZE OF EARTHWIRE IS L mtrs (INIDCATED IN THE TABLE BELOW) WITH TOLERANCE OF $\pm 5\%$.
- TOLERANCE ON DIMENSIONS OF WOOD IS + 3mm.
- TOLERANCE ON STEEL COMPONENTS OF THE DRUM IS ± 0.50 mm.
- INNER & OUTER SURFACE OF FLANGE & BARREL SHALL BE BITUMIN PAINTED.
- BARREL & INNER SURFACE OF FLANGE SHALL HAVE WATER PROOF HDPE SHEET
- OUTER SURFACE OF CONDUCTOR SHALL BE COVERED BY WATER PROOF POLYTHENE PAPER
- MEDIUM GRADE CRAFT/CREPE/POLYTHENE PAPER SHALL BE USED IN BETWEEN THE LAYERS
- ALL NUTS OF ROD SHOULD BE TACK WELDED.
- 3 nos. BINDER SHALL BE USED FOR BINDING THE EXTERNAL LAGGING.
- FLANGE SHALL BE NAILED IN 5 CIRCLES WITH NAIL SIZE OF 125X4.

STANDARD DRAWING

	7/3.15 MM EARTHWIRE	7/3.66 MM EARTHWIRE	7/4.5 MM EARTHWIRE	19/3.0 MM EARTHWIRE
STANDARD LENGTH L in Meters	2300	2000	2000	2000
TRAVERSE, T (in MM)	700	700	700	900
FLANGE, F (in MM)	1400	1400	1500	1500

	DRUM COMPONENTS	MATERIAL SPECIFICATION	QUANTITY	DIMENSION
1.	FLANGE	SEASONED WOOD	2	ϕ F x100(50+50)
2.	BARREL END SUPPORTS	SEASONED WOOD	2	ϕ 550x50
3.	BARREL MIDDLE SUPPORT	SEASONED WOOD	1	ϕ 550x100(50+50)
4.	OUTER LAGGING	SEASONED WOOD	--	(T+200)x50
5.	BARREL BATTENS	SEASONED WOOD	--	Tx75x50
6.	SPINDLE PLATE	MS	2	200X200X6
7.	BUSH PLATE STUD	MS	8	ϕ 16X195
8.	TIE ROD	MS	6	ϕ 16X(T+250)
9.	TIE ROD WASHER	MS	24	65X65X6

REVISION					CLEARED BY			TITLE:		REV.
REV. No	DESCRIPTION	CHKD	REVWD	APPD	CHECKED	REVIEWED	APPROVED	SCALE N.T.S.	DRAWING NO:CC:ENGG:TLEW:WD	1

POWER GRID CORPORATION OF INDIA LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)

WOODEN DRUM DRAWING FOR EARTHWIRE