

PARTS	MATERIAL	QTY.
1. Insulator	Porcelain IS: 8603 (brown glazed)	1
2. Stem	COPPER IS: 613-1964	1
3. Cap	Brass IS: 292-1961	1
4. Arcing Horn (Top&Bott)	Steel IS: 2073	2
5. Sealing washer (Stem)	Oil Resistant Nitrile rubber made from Vulcanized Butadine / acrylonitrile rubber compound (Hardness of 70 ±5 IRHD)	1
6. Separator	Asbestos Fibre IS: 2712	1
7. General Purpose Sealing washer	Nitrile rubber Type-C, Gr.-rc-70C of IS: 4253	1
8. Nut (Hex)	STEEL IS: 2073	3
9. Nut (Hex)	BRASSI IS: 1364	3
10. Plain Washer	Steel IS: 2073	2
11. Spring Washer	Spring Steel	1
12. Nut (Hex)	Steel IS: 2073	4
13. Plain Washer	Steel IS: 2073	4

NOTES :-

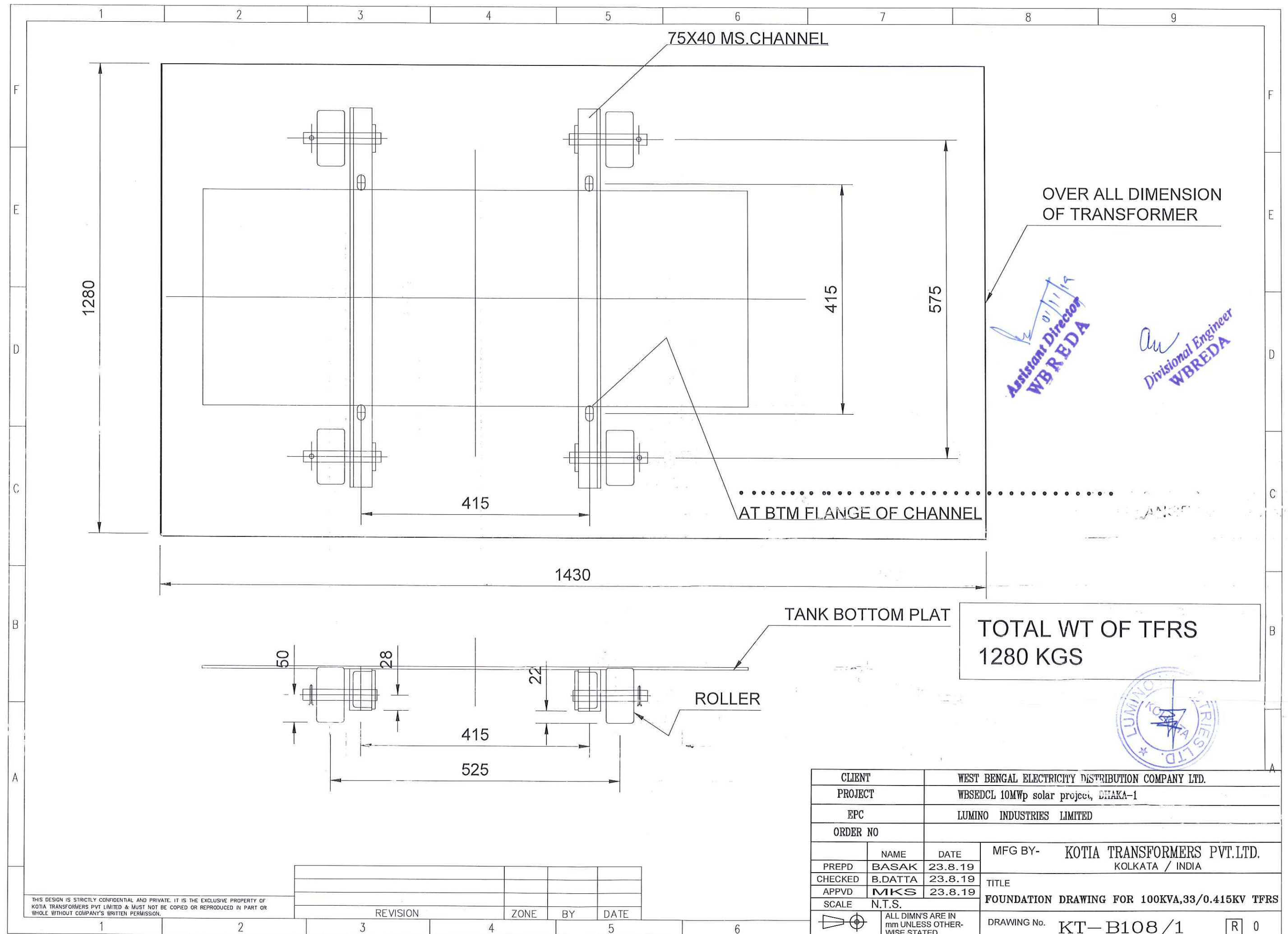
1. RATED VOLT. _____ 36 KV
2. RATED CURRENT _____ 250 A
3. DRY POWER FREQ. WITHSTAND VOLT. (FOR 1min) _____ 70 KV rms
4. WET POWER FREQ. WITHSTAND VOLT. (FOR 1min) _____ 70 KV rms
5. DRY LIGHTNING IMPULSE WITHSTAND VOLT. _____ 170 kv (peak)
1.2/50 micro sec.
6. RELEVANT STANDARD _____ IS : 8603, 2099 & 3347
7. CANTILEVER STRENGTH OF BUSHING _____ AS PER IS: 2099
8. TOTAL CREEPAGE _____ 900 mm (min)
9. APPROX. WEIGHT BUSHING IN KG _____ 10 KG.
10. APPROX. OIL QTY. IN LIT & KG _____ N/A AS PER IS: 8603
11. ANGLE OF MOUNTING _____ 90° VERTICAL ON TOP COVER
12. INSULATOR MAKE _____ JOYPUR GLASS/TEKMAKE/CJI
13. RATED SHORT TIME CURRENT: 6.25KA.FOR 2SEC WITH 2.5X6.25KA.PEAK

Assistant Director
WBREDA

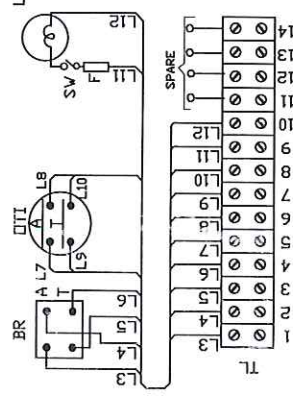
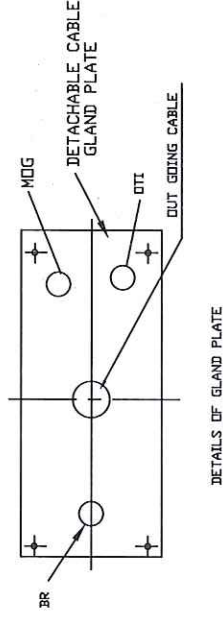
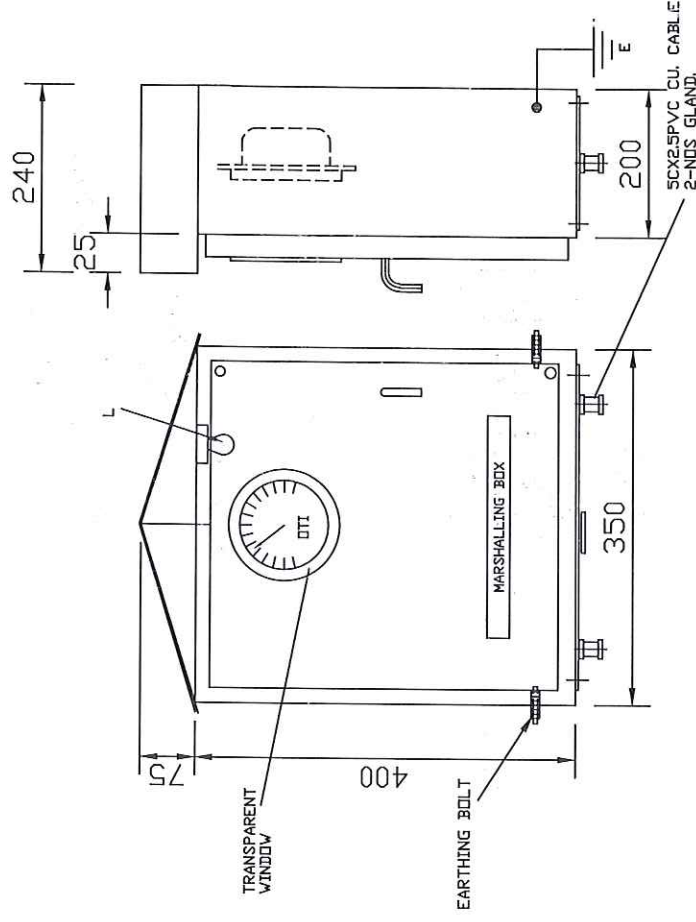
Divisional Engineer
WBREDA



CLIENT	WEST BENGAL RENEWABLE ENERGY DEVELOPMENT AGENCY		
PROJECT	WBREDA 10MWp solar project, bhajanghat		
EPC	LUMINO INDUSTRIES LIMITED		
ORDER NO			
PREP'D	NAME	DATE	MFG BY- KOTIA TRANSFORMERS PVT.LTD. KOLKATA / INDIA
CHECKED	B.SAK	23.8.19	TITLE HV.BUSHING FOR 100KVA,33/0.415KV TFRS
APP'D	B.DATTA	23.8.19	
SCALE	MKS	23.8.19	
5	REVISION	ZONE	BY
DATE			
ALL DIM'S ARE IN mm UNLESS OTHERWISE STATED			DRAWING No. KT-B107
			0



THIS DESIGN IS STRICTLY CONFIDENTIAL AND PRIVATE. IT IS THE EXCLUSIVE PROPERTY OF KOTIA TRANSFORMERS PVT.LTD. & MUST NOT BE COPIED OR REPRODUCED IN PART OR WHOLE WITHOUT COMPANY'S WRITTEN PERMISSION.



ABBR.	DESCRIPTION	SPEC.	QTY
A	ALARM CONTACT	5AMERCURY SWITCH	1
T	TRIP CONTACT	5AMERCURY SWITCH	1
TL	TERMINAL LEDGER	240V/AC	1
BR	BUCHHOLZ RELAY	25MM	1
DTI	OIL TEMPERATURE INDICATOR	(0-150°)	1
L	LAMP	40W/240V/AC	1
F	FUSE (HRC)	2A	1

CONTROL CABLE SIZE (PVC, 100V/GR)	USED FOR
2.5 SQ.MM 4 CORE	BR
2.5 SQ.MM 16 CORE	OUT GOING
(NOT SCOPE OF KOTIA TFRS SUPPLY)	

- NOTE :-
- FABRICATED FROM M.S. SHEET
 - PAINT : INTERIOR - EPOXY PAINT SHADE 631 OF IS: 5 INTERIOR - NON YELLOWING FULL GLOSSY WHITE

Assistant Director
WBREDA

Divisional Engineer
WBREDA



CLIENT	WEST BENGAL RENEWABLE ENERGY DEVELOPMENT AGENCY
PROJECT	WBREDA 10MWp solar project, Bhajanghat
EPC	LUMINO INDUSTRIES LIMITED
ORDER NO	
NAME	MFG BY- KOTIA TRANSFORMERS PVT.LTD.
DATE	23.8.19
PREPARED	BASAK
CHECKED	B.DATTA
APPROVED	MKS
SCALE	N.T.S.
ALL DIM'S ARE IN mm UNLESS OTHERWISE STATED	

REVISION	ZONE	BY	DATE

DRAWING No. KT-B109

R 0

