

**TECHNICAL SPECIFICATION OF 315KVA, 11/0.433 KV, 22/0.433 KV Energy Efficiency Level -1
THREE PHASE, INDOOR TYPE OIL IMMERSED DISTRIBUTION TRANSFORMERS**

REF. STANDARD : IS 2026-1977 & IS 1380 3 STAR RATING, 3 PH. DISTRIBUTION TRANSFORMER			
TYPE	OUT DOOR	TYPE OF COOLING	ONAN
RATED KVA	---	OIL TEMP. RISE	35
RATED HV V	11000	WDG TEMP RISE	40
VOLTAGE LV V	433	VOLUME OF OIL	l
RATED HV A	---	MASS OF OIL	kg
CURRENT LV A	---	WEIGHT OF CORE	kg
PHASES	3	WEIGHT OF WDGs	kg
FREQUENCY Hz	50	TOTAL MASS	kg
IMPEDANCE %	---	SERIAL NO	
GUARANTEED TOTAL LOSSES	Wdg loss at 25°C	--- IN WATTS	
INSULATION LEVEL	L175 AC 2B	CORE	CRGO/AMDT
VECTOR GROUP	Dyn-11	MONTH-YEAR OF MFG	--- & ---
OWNER	MSEDCL, MUMBAI.		
A/T.NO.			

CONNECTION DIAGRAM

VECTOR DIAGRAM

4 HOLES Ø3

115

145

MAHARASHTRA STATE

DISTRIBUTION CO.

NOTE:

- ACTUAL VALUES SHALL BE PUNCHED AT THE TIME OF DISPATCH.
- RATING PLATE MATERIAL: ALUMINIUM ANODIZED
- THICKNESS OF RATING PLATE: 18 SWG
- WEIGHTS ARE SUBJECTED TO +10% TOLERANCE

THIS IS AN INDICATIVE DRAWING

NAME OF THE CUSTOMER:	MSEDCL, MUMBAI-51
A/T. NO.	
QUANTITY	
DETAILS OF DISTRIBUTION TRANSFORMER:	---KVA, 11/0.433KV

NAME OF THE MANUFACTURE & SYMBOL		
DATE	RATING & TERMINAL MARKING PLATE ---KVA, 11/0.433KV CRGO/AMDT, DIST. TRANSFORMER	
DRN		
CHD	SCALE	DRG. NO
APPD		
---KVA		NTS

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SR. No.	DESCRIPTION	AS PER SPECIFICATION	QTY.
1	CONSERVATOR WITH OIL FILLING HOLE WITH LIFT PULS	M.S.	1
2	OIL LEVEL GAUGE WITH PROTECTIVE CAP (Ø 20 MM)	M.S.	1
3	N.V. BUSHINGS WITH SURGING TANK 20KA	PORCELAIN	3
4	N.V. TERMINAL UNIMOR WITH NUTS, CHECK NUTS	BRASS	3
5	L.V. BUSHINGS WITH SURGING HV, 2000AMPS.	STEEL	4
6	L.V. TERMINAL LOCKWATER PLATE	TINNED COPPER	4
7	TANK FILLING LOGS 10MM	M.S.	4
8	LIFTING LOGS FOR TANK 190MM	M.S.	2
9	SEALING BRACKET (100MM)	AL OR GALVANIZED POLYURE	1
10	LOCKING BRACKET	M.S.	4
11	TANK & COVER THINGS WITH BOLTS & NUTS M	S.S.	13
12	WELDING ANGLE (90X90X6)	M.S.	2
13	WELDING TERMINALS	M.S.	2
14	TOP COVER BASE CHANNEL, Down 7.5mm	M.S.	2
15	TOP COVER COVER LIFTING LOGS 10MM	M.S.	2
16	WATER POCKET	M.S.	3
17	BASE PLUG	M.S.	1
18	TOP VALVE METALLIC COVER	M.S.	1
19	TOP FILTER VALVE WITH METALLIC COVER	M.S.	1
20	SAFETY & TERMINAL MARKING PLATE AL ANODIZED	M.S.	1
21	EXPANSION JOINT (PIPE DIAMETER 25 MM)	M.S.	1
22	WASHER BOLTERS	M.S.	4
23	SAFETY VALVE METALLIC COVER	M.S.	1
24	TOP VALVE WITH LOCKING ARRANGEMENT	M.S.	1
25	SPRING WASHER	M.S.	1

ITEM NO.	DESCRIPTION	UNIT	TRANSFORMER DIMENSION IN MM
I	CORRE	DIET ALL	TANK
II	WELDING	Length	Lx
III	TANK FITTING & ACE	Weight	Wt.
IV	OIL	Height	Ht.
V	TOTAL WEIGHT	Kg.	
VI	L. IN. IN. IN.		
VII	W. IN. IN. IN.		
VIII	H. IN. IN. IN.		
IX	THICKNESS IN. MM		
X	TANK WALL	TF OIL QTY.	NO REG
XI	TOP COVER	MARK TANK DIMENSIONS +1%	
XII	BASE PLATE	COVERAL DIMENSION 0.5%	
XIII	COILING DETAILS		
XIV	TOTAL SURFACE AREA (TRANSFORMER)		
XV	TOTAL NO. OF COILING TING		
XVI	H X W OF TINE		

ITEM NO.	DESCRIPTION	UNIT	TRANSFORMER DIMENSION IN MM
I	BUSHING CLEARANCE (Minimum)		
II	HV PH TO PH		
III	LV PH TO PH		
IV	HV PH TO E		
V	LV PH TO E		

1	CONSERVATOR
2	DIAMETER-D
3	LENGTH-L
4	CAPACITY

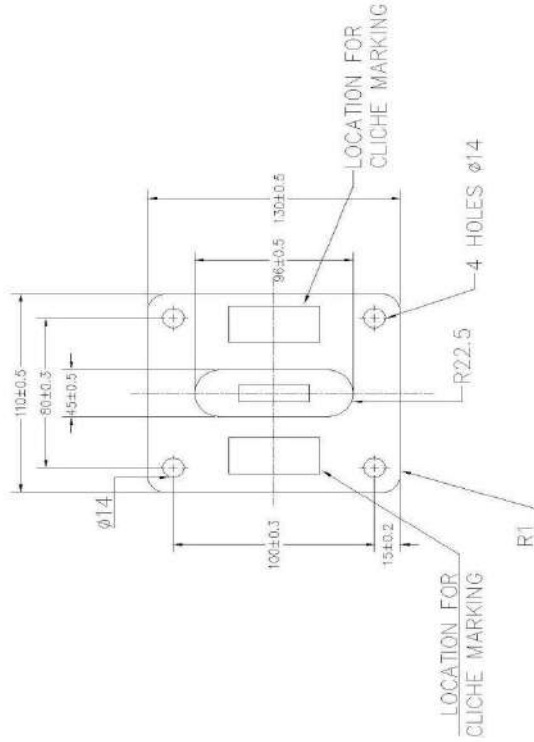
NAME OF THE MANUFACTURE & SYMBOL

A.T. NO.:

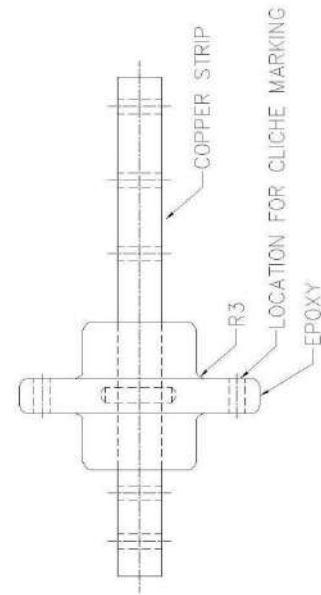
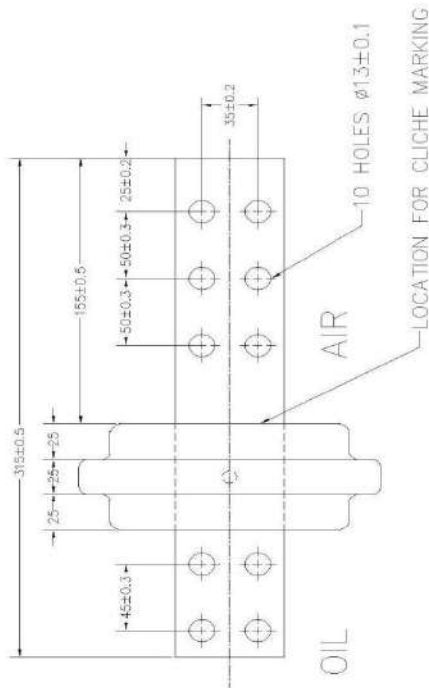
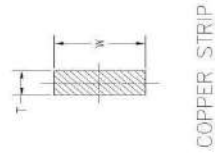
DATE	GENERAL ARRANGEMENT DRAWING
DRAWN	DRG. NO.
CHECKED	SCALE
APPROVED	NTS

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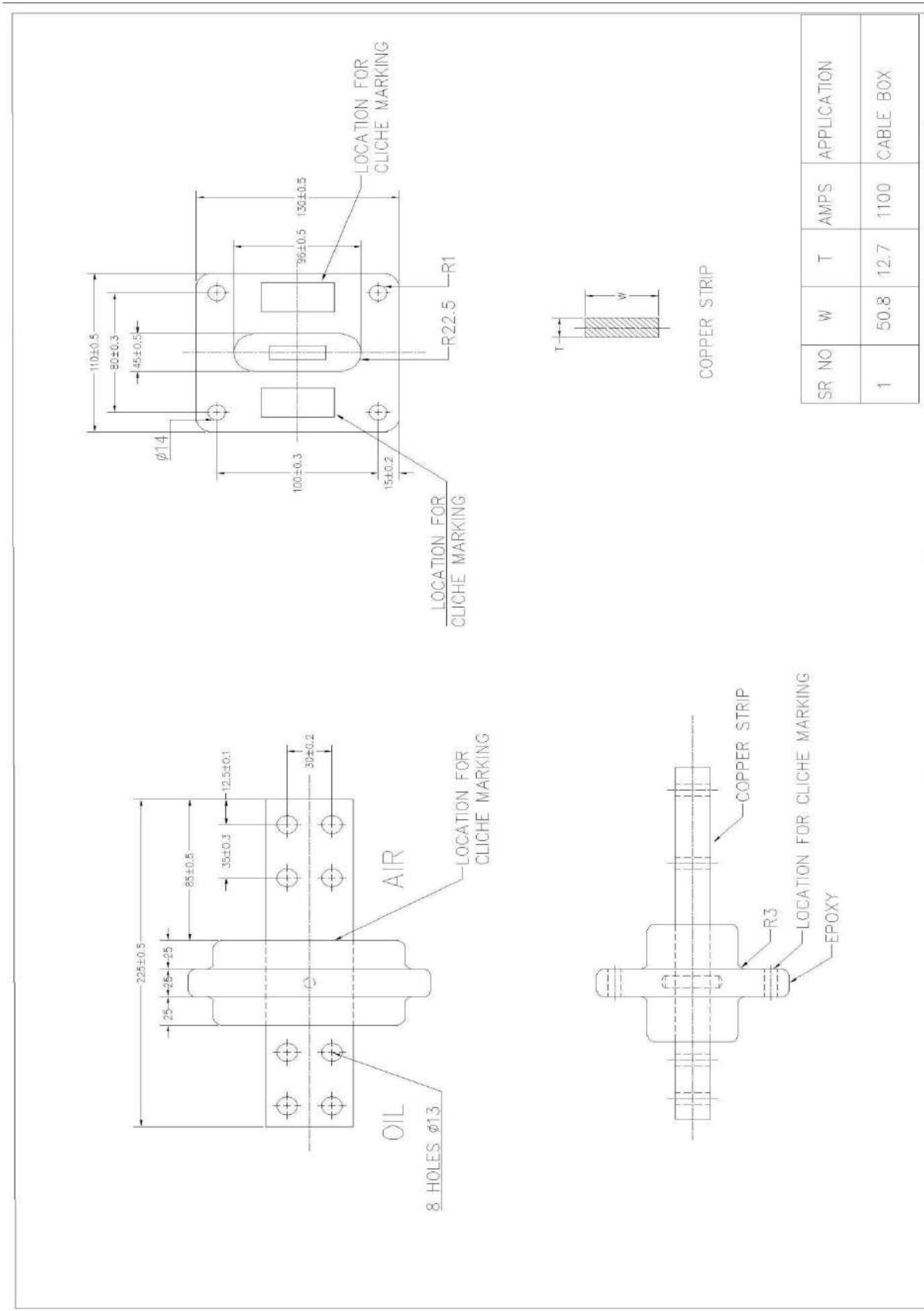
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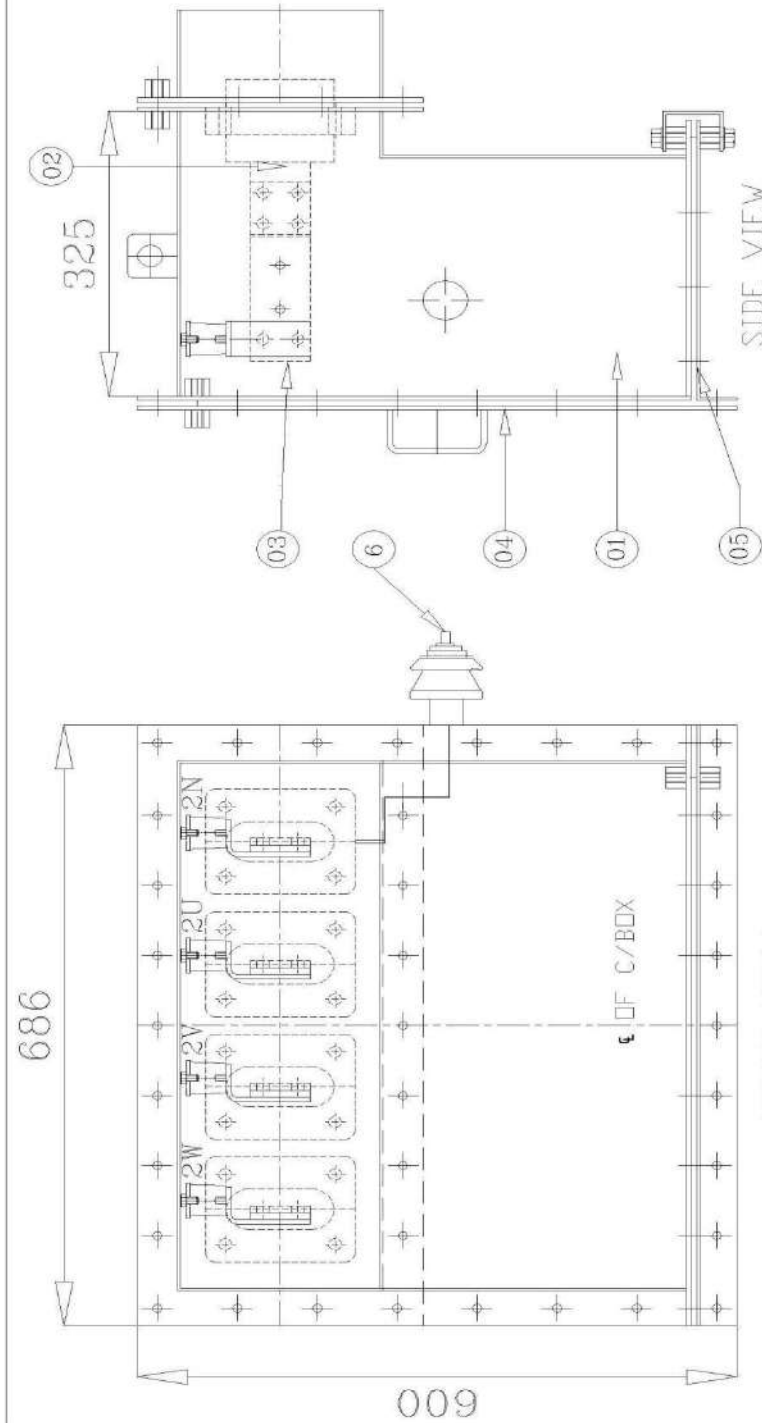
VARIANTS			
SR NO	W	T	AMPS
1	63.5	12.7	1400
2	63.5	19.0	2150
3	76.0	25.4	3300



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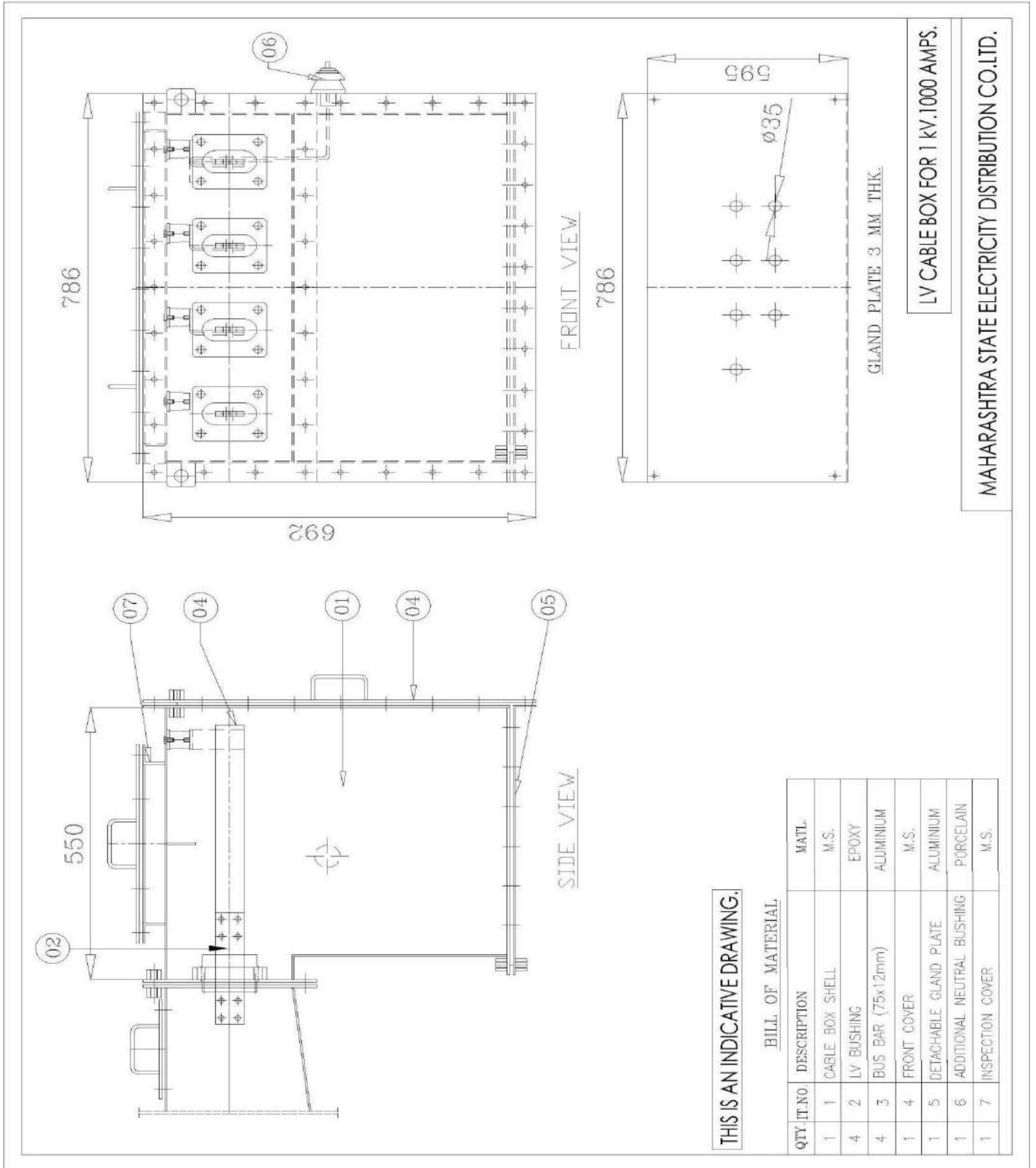
BILL OF MATERIAL

QTY.	JIT. NO.	DESCRIPTION	MATL.
1		CABLE BOX SHELL	MS
4		LV BUSHING	EPOXY
4		BUS BAR (50x10mm)	ALUMINIUM
1		FRONT COVER	MS
1		DETACHABLE GLAND PLATE	ALUMINIUM
1		ADDITIONAL NEUTRAL BUSHING	PORCELAIN

LV CABLE BOX FOR 1 KV, 630 AMPS.

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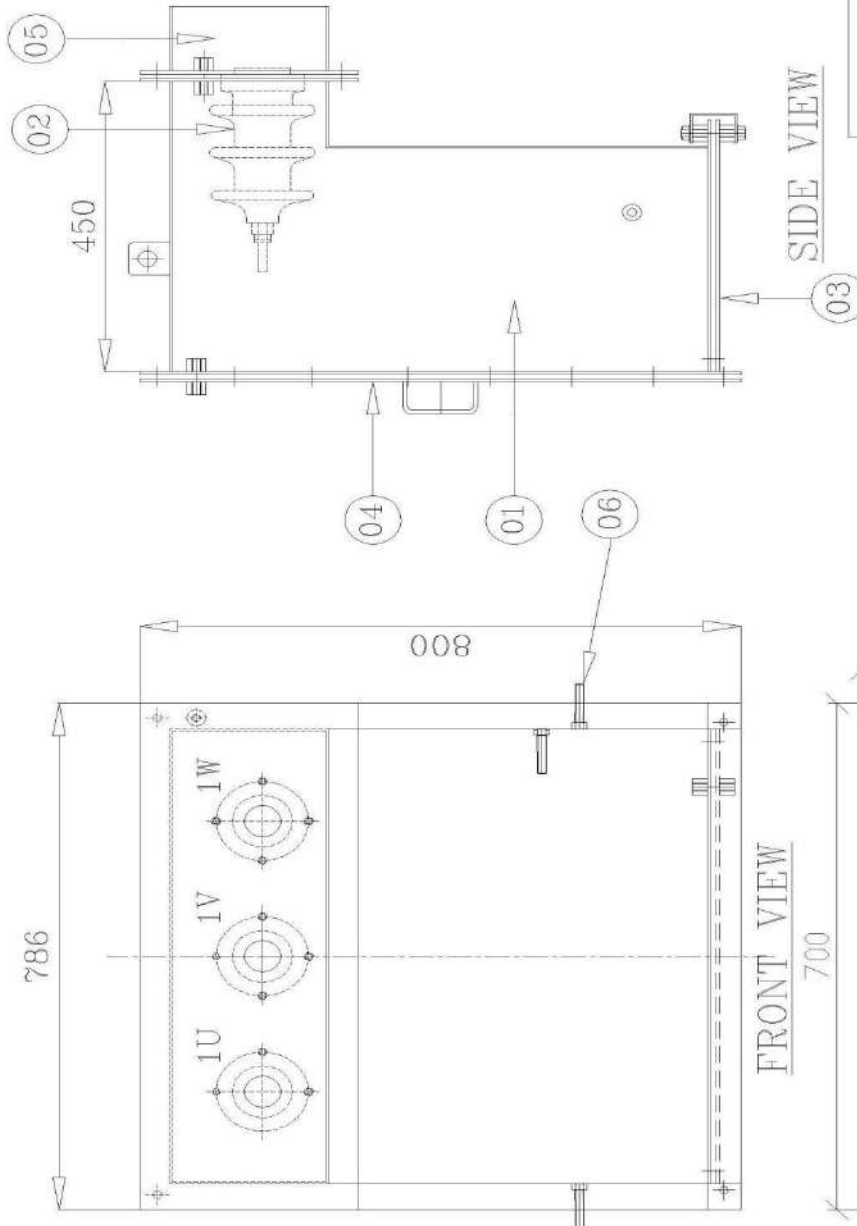
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BILL OF MATERIAL

QTY.	IT.NO	DESCRIPTION	MATL.
1	1	CABLE BOX SHELL	M.S.
4	2	LV BUSHING	EPOXY
4	3	BUS BAR (75x12mm)	ALUMINIUM
1	4	FRONT COVER	M.S.
1	5	DETACHABLE GLAND PLATE	ALUMINIUM
1	6	ADDITIONAL NEUTRAL BUSHING	PORCELAIN
1	7	INSPECTION COVER	M.S.

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BILL OF MATERIAL

QTY.	IT.NO	DESCRIPTION	MATL.
1	1	CABLE BOX SHELL	MS.
3	2	HV BUSHING	PORCELAIN
1	3	DETACHABLE GLAND PLATE	ALUMINUM
1	4	FRONT COVER	MS
1	5	BUSHING POCKET CHAMBER	MS
2	6	EARTHING STUD	SS.

HV CABLE BOX FOR 11 KV, 250 AMPS.

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