

# TRANSFORMER MADE IN INDIA BY



## APEX ELECTRICALS LIMITED

BARODA

(IN TECHNICAL COLLABORATION WITH ETG, AUSTRIA.)

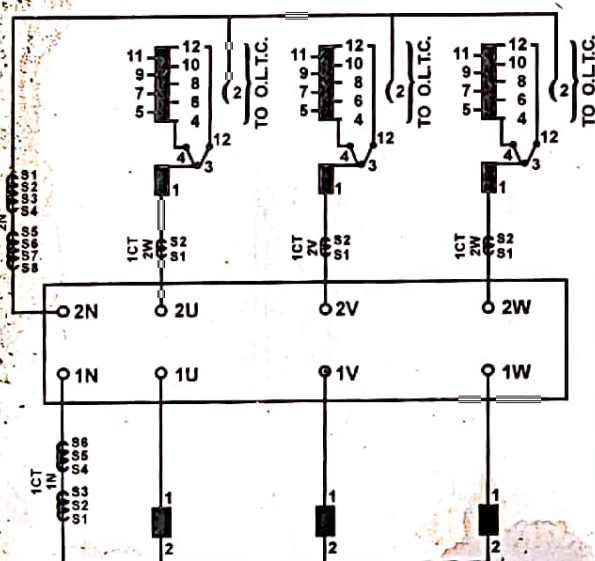
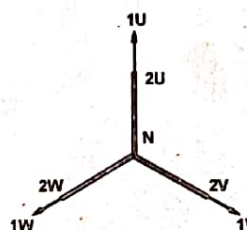
COOLING	ONAN/ONAF/OFAP		REF. STANDARD	IS: 2026 / 77 - 81	
RATING	MVA	50 / 70 / 100	FREQUENCY	Hz	50
RATED VOLTAGE	HV. V	220000	PHASES	3	
	L.V. V	66000	PERCENTAGE IMPEDANCE VOLTAGE	MAX. TAP %	15.653
FULL LOAD CURRENT	HV. A	131.2/187.7/262.4		NOR. TAP %	15.001
	L.V. A	437.4/612.3/874.8	MIN. TAP %	14.833	
BASIC INSU. LEVEL IMP / P.F.	HV. Kv	1050 / 460	VECTOR GROUP REF.	YNynO	
	LV. Kv	350 / 160	CORE MASS	Kg	44500
GTD. TEMP. RISE OIL °C	45	COIL WITH INSULATION.		Kg	19500
GTD. TEMP. RISE WDG °C	55	CORE & COIL MASS WITH CORE STRUCTURE		Kg	76000
MAKER'S SR. NO.	T-1047 / 03	TANK & FITTINGS MASS		Kg	37000
YEAR OF MANUFAC.	1998	MASS OF OIL		Kg	41400
DATE OF DESPATCH	23-12-98	TOTAL MASS		Kg	154400
			OIL QUANTITY	LIT.	46500

TAP POSN. NO.	OLTC CONNECTION IN EACH PHASE	PRE SELE-CTOR POSI.	L.V. CURRENT AMPS.				H. V.	
			VOLTAGE kV.	ONAN 50 MVA	ONAF 70 MVA	OFAP 100 MVA	VOLTAGE kV.	CURRENT AMPS.
1	2 - 12	3 - 4	75.90	380.3	532.5	760.7	220	ONAN 131.2 ONAF 183.7 OFAP 262.4
2	2 - 11		75.08	384.5	538.3	769.0		
3	2 - 10		74.25	388.8	544.3	777.6		
4	2 - 9		73.43	393.2	550.4	786.3		
5	2 - 8	3 - 4	72.60	397.6	556.7	795.2		
6	2 - 7		71.78	402.2	563.1	804.4		
7	2 - 6		70.95	406.9	569.6	813.7		
8	2 - 5		70.13	411.7	576.3	823.3		
9a	2 - 4	3 - 12	69.30	416.6	583.2	833.1		
9b	2 - 3		69.30	416.6	583.2	833.1		
9c	2 - 12		69.30	416.6	583.2	833.1		
10	2 - 11		68.48	421.6	590.2	843.2		
11	2 - 10	3 - 12	67.65	426.7	597.4	853.4		
12	2 - 9		66.83	432.0	604.8	864.0		
13	2 - 8		66.00	437.4	612.3	874.8		
14	2 - 7		65.18	442.9	620.1	885.8		
15	2 - 6	3 - 12	64.35	448.6	628.0	897.2		
16	2 - 5		63.53	454.4	636.2	908.9		
17	2 - 4		62.70	460.4	644.6	920.8		

P.O.NO.

SP / 1828 / 11 / APEX / 1149 DTD. 10.09. '98.

VECTOR GROUP YNynO



CT	VOLTAGE CLASS (kV)	MAX. SEC. RESISTANCE AT 75° (RTC) OHMS	RATIO AMPS.	ACCURACY CLASS	BURDEN (VA)	KpV	TERMINAL MARKING	PURPOSE	MAG. CURRENT AT VK (mA.)
1CT2U	—	—	875 / 1.6	5	15	—	S1 - S2	WTI (LV)	—
1CT2V	—	—	875 / 1.6	5	15	—	S1 - S2	WTI (LV)	—
1CT2W	—	—	875 / 1.6	5	15	—	S1 - S2	WTI (LV)	—
1CT2N	0.6	—	1200-600-300/1	5 P 20	15	1200-600 AND 300	S1-S2-S3-S4	STAND BY EARTH FAULT PROTECTION	≤ 30
		< 12 - 6 - 3	1200-600-300/1	PS	—		S5-S6-S7-S8	RESTRICTED EARTH FAULT PROTECTION	≤ 30
1CT1N	0.6	—	600-300 / 1	5 P 20	15	600 AND 300	S1 - S2 - S3	STAND BY EARTH FAULT PROTECTION	≤ 30
		< 6 - 3	600-300 / 1	PS	—		S4 - S5 - S6	RESTRICTED EARTH FAULT PROTECTION	≤ 30

CUSTOMER :- GUJARAT ELECTRICITY BOARD