

DWG_ADD 5

G1

G2

G3

G4

G5

G6

G7

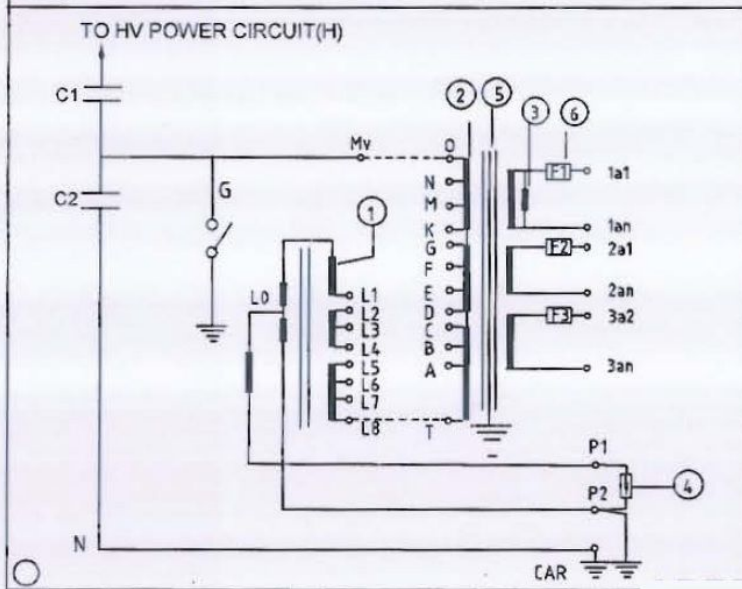
CAPACITOR VOLTAGE TRANSFORMER

RATING AND SCHEMATIC PLATE

Customer: BIHAR STATE POWER TRANSMISSION COMPANY LIMITED.
Contractor :

Type **TCVT 145** Insulation level **275kV / 650kV_p** Standard **IEC60044-5** Capacitance **4400 pF (+10% -5%)** Total Weight **220 Kg.** S.O. No. **3003874219**

Higher system voltage **145kV** Voltage Factor **1.2 Cont / 1.5 - 30 sec** Frequency **50 Hz.** Simultaneous Burden **50 VA/ 0.2** Oil weight **34 kg** Sr. No. Year



	H-N	1a1 - 1an	2a1 - 2an	3a1 - 3an
VOLTS	132000/√3	110/√3	110/√3	110/√3
VA BURDEN	---	50	50	50
ACC CLASS	---	3P	3P	0.2

Notes 1.
 1 : Series Reactor
 2 : Intermediate Transformer
 3 : Filter
 4 : Protective gap
 5 : Faraday Shield
 6 : Fuses

H : HV Terminal
 N : HF Terminal
 C1 : Pri. Capacitance
 C2 : Sec Capacitance
 G : MV tap grounding switch
 M:Intermediate Voltage tap

Caution :

- Short circuit the capacitor units when erecting or dismantling the CVT and remove the short circuit before pre-test or commissioning.
- Under no condition should the Load / Burden values mentioned on the Rating Plate be exceeded
- When terminal N is not used for HF transmission It must be connected to Earth ,when Supplied N is connected to Earth

Notes 2.
 1.Connection between L1--L8 & A,D--0 are made in factory as required.
 2.Suitable for Hot line Washing.

RATING PLATE DETAILS :
 MATERIAL : AL ALLOY
 SIZE : 250x150x1 mm THICK.
 COLOUR : LETTERS PRINTED IN BLACK OVER AL NATURAL BACKGROUND.

NOTE : SERIAL NO. IS ENGRAVED ON RATING PLATE.

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Date		145 KV, Outdoor, oil cooled hermetically sealed Capacitive Voltage Transformer.	Order no : 3003874219	Item no : 200	Qty : 34x	NOT TO SCALE
Prep.		Details: Rating Plate Drawing.				All dimensions are in mm
Chk.			Drg. No.:-	145-KV-CVT-RP		SH 1
Norm	Original/Replaced By : -					1 SH

G

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