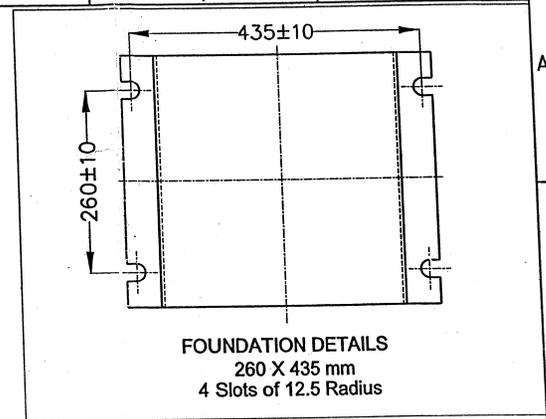
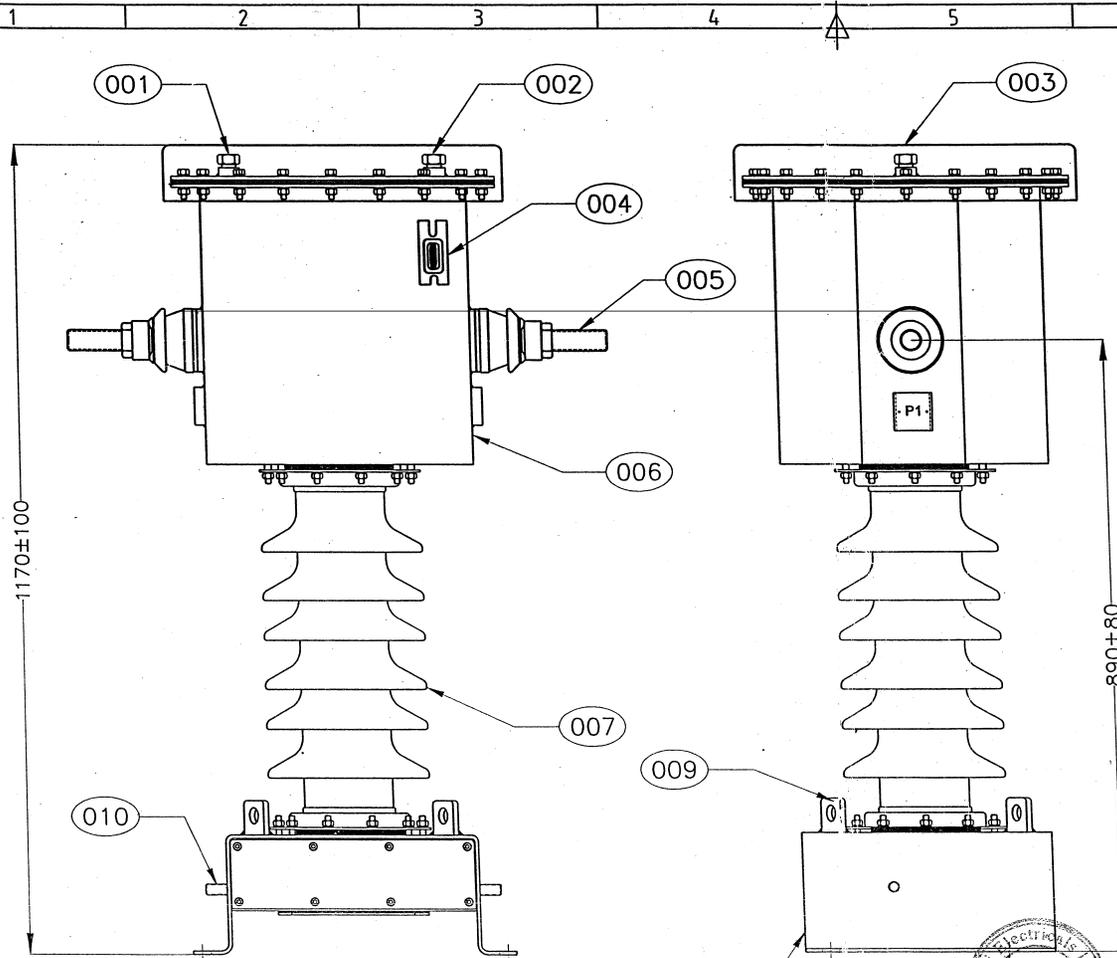


ALL DIMENSIONS ARE IN mm & WEIGHTS ARE IN kg  
UNLESS OTHERWISE SPECIFIED.

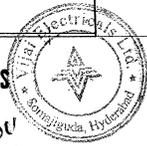
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REPRODUCTION OF THESE IN ANY FORM IS TO BE DONE WITH THE SPECIFIC PERMISSION OF THE COMPANY.



RATIO : 1200-300-400/1-0.5775,1-1A

APPROVED FOR TURNKEY PROJECTS

CHIEF ENGINEER / CONSTRUCTION  
A TRANSCO/VIDYUTH SOUDHA/HYD



**NOTE :**  
1.All metal parts exposed to atmosphere are Zinc Rich Epoxy Painted.  
2.Min.Creepage Distance. :900mm

VAR. NO.	FINISH	ITEM No.	DESCRIPTION	DRAWING No.	V.VAR ITEM No.	MATERIAL CODE	WEIGHT/MT
02	---	010	EARTHING BOLT	---	---	M.S	
02	---	009	LIFTING LUGS	---	---	M.S	
01	---	008	BOTTOM TANK	---	---	M.S	
01	---	007	INSULATOR	---	---	PORCELAIN	
01	---	006	TOP TANK	---	---	M.S	
02	---	005	PRIMARY TERMINAL (Ø30X80)	---	---	TINNED COPPER	
01	---	004	OIL LEVEL GAUGE	---	---	PRISMATIC	
01	---	003	RAIN SHIELD	---	---	ALUMINIUM	
01	---	002	OIL FILLING PLUG	---	---	M.S	
01	---	001	PRESSURE RELEASE DEVICE	---	---	BRASS	

DISTRIBUTION OF PRINTS			
REV	DATE	ALTERED	CHECKED
PPC			QA

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT: ATRANSCO

**CHECKED**

Vijai Electricals Ltd. Switchgear Products Division Hyderabad.

DRN	NAME	DATE
END	MAVEN	10/20/11
APD	MOY	

GRADE OF TOLERANCE: C/A/F PS NO: CP 1 0010

SCALE: NTS

REF TO ASSY DRG: ---

DRAWING No. 3-302-00-127

ITEM No. 01

Standardised GA Drawing for 36 KV Current Transformer of Ratio 1200-800-400/1-0.5775,1-1A, (M/s Vijai Electricals make)  
STD/GTP-DWG/Approval No. 204-22-Sheet1 Revision No. 0  
Approved & Approved during October - 2011



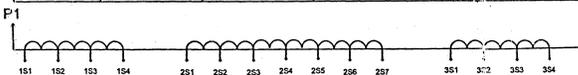
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## CURRENT TRANSFORMER

STANDARD	IS:2705:1992.	HIGHEST SYSTEM VOLTAGE	36 kV
FREQUENCY	50 Hz	RATED SYSTEM VOLTAGE	33 kV
RATED S.T.C	25 kA rms / 1 Sec.	TYPE DESIGNATION	LT36
Isy	62.5 kAP	INSULATION LEVEL	70/170 kV/KVP
QTY. OF OIL	55 Lts(Appx)	WT. OF CT	90 Kg (Appx)
		RATED THERMAL CURRENT	1440
CORE			
	CORE - I	CORE - II	CORE - III
RATIO	PRIMARY (A)	1200-800-400	1200-800-400
	SECONDARY (A)	1	0.5775,1
RATED BURDEN (VA)	15	--	15
ACCURACY CLASS	5P	PS	0.2
I.S.F / A.L.F	10	--	<5
KNEE POINT VOLTAGE (V)	--	*40I(Rct+10) at 1200/1A	--
RESISTANCE AT 75°C (Ohm)	--	< 5 at 1200/1A Δ	--
MAG. CURRENT at V <sub>k</sub> (mA)	--	< 30 at 1200/1A	--

RATIO	PRIMARY TERMINALS	SECONDARY CONNECTION		
		CORE I	CORE II	CORE III
1200/1	P1-P2	1S1-1S4	2S1-2S5	3S1-3S4
800/1	P1-P2	1S1-1S3	2S1-2S4	3S1-3S3
400/1	P1-P2	1S1-1S2	2S1-2S2	3S1-3S2
1200/0.5775	P1-P2	--	2S1-2S7	--
800/0.5775	P1-P2	--	2S1-2S6	--
400/0.5775	P1-P2	--	2S1-2S3	--



**CAUTION**  
 SECONDARY TERMINALS MUST BE SHORTED AND EARTHED  
 WHEN NOT IN USE / BEFORE DISCONNECTING THE BURDEN

\*. Knee point voltage shall be calculated on the basis of measured secondary winding resistance at mentioned tap.



**Vijai Electricals Ltd.,** Hyderabad, INDIA.

YEAR OF MANUFACTURING \_\_\_\_\_ SI. No. \_\_\_\_\_

CUSTOMER:

P.O NO:

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RATIO : 1200-800-400/1-0.5775,1-1A

**APPROVED FOR TURNKEY PROJECTS**

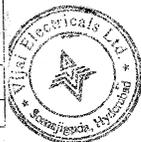
**CHIEF ENGINEER / CONSTRUCTION-1**  
**APTRANSCO/VIDYUTH SODHA/HYD**



Standardised Rating and connection Drawing for 36 kV Current Transformer of Ratio 1200-800-400/1-0.5775,1-1A, (M/s Vijai Electricals make)

STD/GTP-DWG/Approval No. **204-22-Sheet2** Revision No. 0

Prepared & Approved during **October - 2011**



DISTRIBUTION OF PRINTS				DISTRIBUTION OF PRINTS			
PPC	DA	PPC	DA	PPC	DA	PPC	DA
REV 02	DATE 3.10.11	ALTERED BY <i>K. Jayasree</i>	CHECKED BY <i>K. Jayasree</i>	REV 01	DATE 20.06.11	ALTERED BY	CHECKED BY
CHANGES HAVE BEEN MADE AS PER THE CUSTOMER COMMENTS AND THE CHANGES ARE MARKED THIS Δ							

VAR. QTY.	FINISH	ITEM No.	DESCRIPTION	DRAWING No.	V.VAR. ITEM No.	MATERIAL CODE	MATERIAL SPECN	WEIGHT/UNIT QTY.
TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT								
<b>Vijai Electricals Ltd.</b> Switchgear Products Division Hyderabad.								
GRADE OF TOL.DIM C/M/F	PER ISO: CP 1:2000	SCALE: NTS	REF TO ASSY DRG.	ITEM No.	DRN	LAKSHMI	SD	20.06.11
TITLE:	RATING & CONNECTING DIAGRAM FOR 36KV CT		DRWING No.	REV	CHD	NAYEEN	SD	20.06.11
			3-302-00-127	02	APD	HGY	SD	20.06.11
			SHEET No. 02	No. OF SHEETS. 02				

**NOTE :-**

1. MATERIAL: ALUMINIUM ANODISED.
2. DETAILS: BY ETCHING PROCESS, WHITE LETTERS - BLACK BACKGROUND.

C. REF : ALL DIMENSIONS ARE IN MM.