



# COMFORT INSTA-POWER LTD.

Works: Plot no.275-276, GIDC Estate, Anjar- Kutch- Gujarat- India  
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## TRANSFORMER TEST CERTIFICATE

<b>NAME &amp; ADDRESS OF CUSTOMER:</b> M/s. Tokyo Plast (I) Ltd. Plot # FA-2-371 & 72.KSEZ, Gandhidham-Kutch.		<b>DATE:</b> 07/02/2007		<b>Date:</b> 20/01/07	
		<b>Party's P.O. No.:</b> Letter			
		<b>Continual Rating:</b> 1000 KVA		<b>Nominal Voltage Ratio(HV/LV) :</b> 11000/433 Volts	
<b>IS Reference:</b> 2026 of 1977 with latest amendments			<b>Tappings at:</b> -5 to +5 in step of 2.5 % of primary variations		
<b>Winding:</b> Copper		<b>Serial No:</b> IP-42		<b>Frequency:</b> 50 Hz.	
<b>Full load current(HV):</b> 52.48 Amps.		<b>Full load current (LV):</b> 1333.33 Amps.		<b>Cooling:</b> ONAN	
<b>TESTS</b>	<b>MEASURED VALUE</b>				<b>GUARANTEED VALUES</b> (Subject to IS tolerance)
<b>No load loss</b>	1578	Watts	at 433 Volts & 50 C/s		1500 Watts
<b>No load current</b>	1.64 %	= 8.73	Amps.	at 433 Volts & 50 C/s	---- %
<b>Load loss</b>	11852	Watts	at 52.48 Amps. & 75°		6000 Watts
<b>Impedance</b>	4.98 %	= 548	Volts	at 52.48 Amps. & 75°	5.00 %
<b>Winding Resistance per phase at 75°</b>	HV Winding: 7.42 Ohms at Tap No: 3 LV Winding : 3.20 Miliohms				
<b>Induced over voltage withstand test at 2 X rated voltage at 100/C/s for one minute: Withstood</b>					
<b>Pressure Tests withstand at 34°</b>	<b>HV to LV &amp; Earth</b>	28 KV	<b>for one minute: WITHSTOOD</b>		
	<b>LV to HV &amp; Earth</b>	3 KV	<b>for one minute: WITHSTOOD</b>		
<b>Insulation Resistance Tests at 34°</b>	<b>HV to LV :</b>	Above 500 Mohms			
	<b>HV to Earth :</b>	Above 500 Mohms			
	<b>LV to Earth :</b>	Above 500 Mohms			
<b>Oil Test</b>	Tested across a gap of 2.5 mm : WITHSTOOD 60 KV(OIL Break Down Value-BDV)				
<b>No load voltage</b>	<b>TAP # 1</b>	<b>TAP # 2</b>	<b>TAP # 3</b>	<b>TAP # 4</b>	<b>TAP # 5</b>
	11550 V	11275 V	11000 V	10725 V	10450 V
<b>Temperature Rise not exceeding</b>	<b>In Oil :</b>	50°	HV Winding : 55° LV Winding : 55°		
<b>LOAD</b>	125 %	100 %	75 %	50 %	25 %
<b>Efficiency at UPF %</b>	97.89	98.23	98.55	98.80	98.77
<b>Efficiency at 0.8 PF%</b>	97.38	97.80	98.19	98.50	98.47
<b>Regulation at Full Load and (1) UPF: 1.671 % (2) 0.8 PF: 3.770 %</b>					

for Comfort Insta-Power Ltd.,

Authorized Signatory

for Sun Electric, Mumbai

Pradeep Shah

<b>Registered office</b>	Plot no. 34-33, Vrindavan Society-2, Anjar-Ganchidham road, Near Public Garden, Anjar (Kutch)- 370110.
<b>Reg. Marketing Office</b>	12/B, Ashray Bungalows, Behind Yash Complex, GERI Compound Road, Gotri, Baroda- 390 021, Phcne : 0285-3259285, 6581433