## JAY BEE INDUSTRIES Village- Batwal, Raipur Rani, Panchkula (Haryana) -134204



		INSPECTION RE	PORT OF 3 PH	ASE DISTRIBUTION TO	RANSFORMER		
ner							
mer M/s- SHWETECH TECHNOLOGY PVT, LTD			Sr. No	· ·	100024032	(Copper woun	
ustomer :				Date of Inspection		29.08.2024	
0.	1			EEL	, l	2	
DOWER		The state of the s		ILS OF TRANSFORME	R		
ED POWER : 1000 kVA			CONNECTION / VECTOR GROUP		:	Dyn-11	
VOLIAGE				TYPE OF COOLING			ONAN 5 % to -5%
: 11000 Volt				TAPPING RANGE			28 rms / 75kVP
3 Volt				BIL	HV		3KV rms
ED CURRENT				(MERCURALE)	LV		50 Hz
: 52.49 Amp.				PREQUENCY :			IS 1180
: 1333.41 Amp.				REF, STANDARD Temp, Rise in Oil			40°C
XIMUM LOSSES AS PER GTP. / DRG. / IS :				Temp. Rise in Winding			45°C
TAL LOSSES AT 50% LOAD : 2620W STAL LOSSES AT 100% LOAD : 7000W				IMPEDANCE (%Z) at 75 °C in %			5.0
TAL LUSSES AT I	00 % LOAD	<del></del>		ITINE TEST			
AMINING DESIRE	ANCE AT	32 *(	2				
WINDING RESIST	ANCE AT	30.7			HV	Winding Resista	ance (Ω)
P POSTION		L	V Winding Resistan		1U-1V	1V-1W	1W-1U
3		2u-2v	2v-2w	2w-2u		0.5886	0.591
		0.7475	0.7490	0.751	0.5850	0.3666	
TAP POSTION	IN %	RATIO			-	20	46.27
1	5.0	46.20	46.28		46.28		46.27
2	2.5	45.10	45.17		45.16		45.16
3	NOR	44.00		44.06	44.06		44.06
4	-2.5	42.90		42.96	42	42.96	
5	-5.0	41.80	41.85		41.85		41.86
	5.0		40.74			40.75	
6	-7.5	40.70		40.74	40	.75	40.74
6 7	-7.5 -10.0	40.70 39.60		40.74 39.63	+	.75	40.74 39.63
7					39		
7 3. VERIFICATION	-10.0 OF VECTOR GROU	39.60 JP :-		39.63	Dyn 11		
7 3. VERIFICATION Connect 1U & 2u, Condition of group	-10.0  OF VECTOR GROUND  Keep the Neutra float  1V-2v = 1V2w, 1W2	39.60 JP :- ating an 3 phase , 400 vo	itage aplied to HV Si		Dyn 11	.64	39.63
7 3. VERIFICATION Connect 1U & 2u, Condition of group Measured	-10.0  OF VECTOR GROUND TO THE NEUTRA floating the Neutra floating to the neutra floating the neutra float	39.60 JP :- ating an 3 phase , 400 vo	itage aplied to HV Si	39.63	Dyn 11		
7 3. VERIFICATION Connect 1U & 2u, Condition of group Measured 1V-2w =	-10.0  OF VECTOR GROUN  Keep the Neutra float  1V-2v = 1V2w, 1W2  Value in Voit  389	39.60 JP :- ating an 3 phase , 400 vo 2v >1W2w	389	39.63  ide and measured the Voltage  1W2v =	Dyn 11	.64	39.63
7 3. VERIFICATION Connect 1U & 2u, Condition of group Measured 1V-2w =	-10.0  OF VECTOR GROUN  Keep the Neutra float  1V-2v = 1V2w, 1W2  Value in Voit  389	39.60  JP :- ating an 3 phase , 400 vo 2v >1W2w  1V-2v =  OF TRANSFORMER		39.63  ide and measured the Voltage  1W2v =	Dyn 11	.64	39.63
7 3. VERIFICATION Connect 1U & 2u, Condition of group Measured 1V-2w =	-10.0  OF VECTOR GROUND  Keep the Neutra float  1V-2v = 1V2w, 1W3  I Value in Voit  389  BALANCE TEST	39.60  JP :- ating an 3 phase , 400 vo 2v >1W2w  1V-2v =  OF TRANSFORMER	389	39.63  ide and measured the Voltage  1W2v =	Dyn 11	.64	39.63
7 3. VERIFICATION Connect 1U & 2u, Condition of group Measured 1V-2w =	-10.0  OF VECTOR GROUND  Keep the Neutra float  1V-2v = 1V2w, 1W3  I Value in Voit  389  BALANCE TEST	39,60  JP :- ating an 3 phase , 400 vo 2v >1W2w  1V-2v =  OF TRANSFORMER	389 Measured Vol	39.63  ide and measured the Voltage  1W2v =	Dyn 11	.64	39.63
7 3. VERIFICATION Connect 1U & 2u, Condition of group Measured 1V-2w =	-10.0  OF VECTOR GROUNDED TO THE PROPERTY OF T	39,60  JP :- ating an 3 phase , 400 vo 2v >1W2w  1V-2v =  OF TRANSFORMER  1U-1V	389 Measured Vol	39.63  ide and measured the Voltage  1W2v =	Dyn 11	.64	39.63

Inspecting Officers

Mr. Manoj JE, HAFED

Mr. Aman JE, HAFED

Er. Dangeer Singh Jay see industries.

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		INSPECTION	REPORT OF 3 PH	ASE DISTRIBUTION T	RANSFORMER			
Customer	M/s- SHWETECH TECHNOLOGY PVT, LTD.				:	100024032 (Copper wound		
Customer				Date of Inspection	Date of Inspection 29			
), No.				EEL				
O LOAD CUI	RRENT AND LOSS	SES AT RATED VOL	ATE AND FREQUE	VCY				
	OLTAGE (p-N)	MEASURED CURRE		Frequency in Hz	LOSSES MEASURED IN WATTS			
250.0		13.17		50		954		
MEASURMEN	IT OF IMPEDANCE	E VOLTAGE / SHORT	CIRCUIT IMPEDAN	NCE & 100 % LOAD LOS	SES AT	32	· c	
Tap position	Test current (amp.) I Avg.	Test voltage (P-N) V Avg.	Freq. Hz	Measured losses at ambient Temprature In watts	Calculated Load losses at 75 Deg. C	% Impedance at 75 Deg. C		
3	52.49	310	50	5100	5921.348315	4.9750		
				ICE & 50 % LOAD LOSSE	ES AT	32	• C	
MEASURME	NT OF IMPEDANCE	E VOLTAGE / SHORT	CIRCUIT IMPEDAN	1				
Tap position	Test current (amp.) I Avg.	Test voltage (V) V Avg.	Freq. Hz	Measured losses at ambient Temprature In Watts	Calculated Load losses at 75 Deg. C in Watts			
	26.245	142.717	50	1275	1480.337079			
3			=	2434.337079	Watts			
	SES AT 75°C ( At 50		=	6875.348315	Watts			
B. TOTAL LOS	SES AT 75 °C ( At 10	00% Load)						
9. SEPERATE	SOURCE POWR FF	REQUENCY WITHSTA	AND TEST		Applied Voltage In	-	Remarks	
SR. NO.			Test		kV kV	Duration in Sec.	Remarks	
3K, NO.		Connec	ted to the Frame and E	arth	28	60	ok	
а		g and LV winding Connec					ok	
b	Between LV winding and HV winding Connected to the Frame and Earth 3 60							
10. INDUCE O	VER VOLTAGE TES	ST .						
				Applied Voltage	Applied Frequency	Duration in Sec.	Remarks	
Test  Between LV winding with frame coonected to the Earth				866 Volt (P-P)	125Hz	48 Sec.	ok	
11. INSULATION RESISTANCE TEST  Between			Applied Voltage		Measure Value			
				2500			4000.0 MΩ	
HV-Earth				2500	3000.0 MΩ			
LV-Earth HV-LV				2500		5000.0 MΩ		

Inspecting Officers

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