

ওয়াসা

ঢাকা পানি সরবরাহ ও পয়ঃ নিষ্কাশন কর্তৃপক্ষ

নির্বাহী প্রকৌশলীর কার্যালয়

এফ.এম. বিভাগ-২, ঢাকা ওয়াসা

দারুস সালাম রোড, মিরপুর, ঢাকা-১২১৬

অভিযোগ কেন্দ্র : ০২৪৮০৩১৯৫০, মোবাঃ-০১৮৭৯৮২৯৭০০, নিঃপ্রঃ অফিস : ০২৪৮০৩১৬৪৬, মোবাঃ-০১৮১১৪৪৪১৩৬, E-mail:- ee_fmd2@yahoo.com

যৌথ পরিদর্শন রিপোর্ট

কাজের নাম	: Reconditioning of 10(Ten) nos. different branded & capacities defective burn transformers under F.M.D-2, DWASA (Lot-2).
চুক্তি নং	: ৪৬.১১৩.৪২৪.০০.০০.০৬৯.২৫.১০৫.১০১, তারিখঃ ০৯/০২/২০২৬ ইং ।
কার্যাদেশ নং	: ৪৬.১১৩.৪২৪.০০.০০.০৬৯.২৫.১০৫.১০১.১০১, তারিখঃ ০৯/০২/২০২৬ ইং ।
ঠিকাদারের নাম	: মেসার্স লোসাং পাওয়ার ইঞ্জিনিয়ারিং ।
পরিদর্শনের স্থান	: এফ. এম. বিভাগ-২ এর বিভাগীয় ভান্ডার ।
কার্য সম্পাদিত তারিখ	: ২২/০৬/২০২৬ ইং ।
পরিদর্শনের তারিখ	: ২৩/০৬/২০২৬ ইং ।

আলোচ্য কাজের সাইটটি সরেজমিনে পরিদর্শন করা হয়েছে। পরিদর্শনকালে দেখা যায় যে, ঠিকাদার মেসার্স লোসাং পাওয়ার ইঞ্জিনিয়ারিং কর্তৃক কাজটি চুক্তি ও কার্যাদেশ মোতাবেক সুষ্ঠুভাবে সম্পন্ন করেছেন এবং কাজটি সিডিউল অনুযায়ী সম্পন্ন হয়েছে বলে প্রতীয়মান হয়েছে। কাজটি সম্পাদনে কোনও ধরনের ত্রুটি পরিলক্ষিত হয় নাই।

LOSUNG POWER ENGINEERING

ঠিকাদারের স্বাক্ষর :

মেসার্স লোসাং পাওয়ার ইঞ্জিনিয়ারিং

২৪.০৬.২৬
(মোঃ শরীফুল ইসলাম)
উপ-সহকারী প্রকৌশলী
এফ.এম. বিভাগ-২
ঢাকা ওয়াসা

২৪.০৬.২৬
(মোঃ মাহবুবুল হক প্রামাণিক)
সহকারী প্রকৌশলী
এফ.এম. বিভাগ-২
ঢাকা ওয়াসা ।

২৪/৬/২০২৬
(শেখ আরিফ রহমান জিতু)
নির্বাহী প্রকৌশলী
এফ.এম. বিভাগ-২
ঢাকা ওয়াসা



TEST CERTIFICATE

Brand	MAM Power		3 - Phase Distribution Transformer		X-former Mfg. No.:	26-0106	
Client Name	Dhaka WASA	Contract No	46.113.424.00.00.069.25.105.99			Year of Manufacture:	
Standard:	IEC-60076	Tap	Volts in	Volts in	Voltage ratio: 11000/415		
Service:	Continuous	Position	H.V	L.V.	Values at 75°C		
Type of Cooling:	ONAN	1	11275		Po (kW)	Psc (kW)	Imp.(%)
Frequency:	50 Hz	2	11000	415	Guarantee:	0.350	2.40
BIL:	75KV	3	10725		Tolerance:	+15%	+15%
		4	10450		Total	786	KG
		5	10175		Weight of	205	KG
Current in Amps:			7.87	208.69	AS per Measurement: 200kVA Transformer, MAM Power		
Rated Capacity:			200	KVA			
Phase:			3	(Three)			
Vecto Group:			Dyn-11				
Winding resistance in ohm at 30°C				Ratio Test			
High Voltage side		Low Voltage Side		Tapping:	1	2	3
A-B	12.16	a b	0.0045	Measure			
B-C	12.04	b-c	0.0045	Ratio:	27.18	26.49	25.78
C-A	12.28	c-a	0.0045	Vector Group Test:			
				Test Result:	Dyn-11		
Measurement of No load loss & current				Measurement of Load Loss & Impedance			
Applied Voltage on LV side	No Load loss in watt	No Load Current(%)		Rated Current in Amps	Load Loss at 75°C in watts	tmp. at 75°C in %	
4 15 V	430	1.75		7.87	2750	4.00	
High Voltage Test				Induced Over Voltage Test			
Applied Voltage on HV side:		28 kV		Applied Voltage on LV side:		0.83 kV	
Applied Voltage on LV side:		2.5 kV		Frequency:		200 Hz	
Frequency:		50 Hz		Time Duration:		30 second	
Time Duration:		1 Mn.					
Dielectric Strength of Oil in KV				Insulation Resistance Measured by 1000 MΩ Megger at 30°C			
At 2.5 mm electrode gap:		>50		HV-Body :		1000 MΩ	
				LV-Body :		1000 MΩ	
				HV - LV :		1000 MΩ	
It is hereby certify that the transformer is in conformity with the existing standards and declared fit for operation.							
 Md. Tousifur Rahman Electrical Supervisor Losung Power Engineering				 Md. Siddiquir Rahman Technical Engineer Losung Power Engineering			





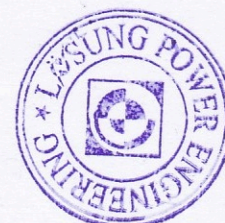
LOSUNG POWER ENGINEERING

Sagufta D'Loirel, 1/2/B (Level 4), Kamlapur Bazar Road, Motijheel, Dhaka 1217
Tel: 02 2222 24543, Cell: 01714 910467, 01814 808098, E-mail: info@losungpower.com



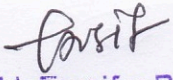
TEST CERTIFICATE

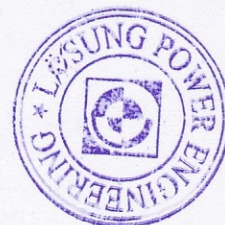
Brand	AHK Electric Company		3 - Phase Distribution Transformer		X-former Mfg. No.:	200/70	
Client Name	Dhaka WASA	Contract No	46.113.424.00.00.069.25.105.99		Year of Manufacture:		
Standard:	IEC-60076	Tap	Volts in	Volts in	Voltage ratio: 11000/415		
Service:	Continuous	Position	H.V	L.V.	Values at 75°C		
Type of Cooling:	ONAN	1	11275		Po (kW)	Psc (kW)	Imp.(%)
Frequency:	50 Hz	2	11000	415	Guarantee:	0.350	2.40
BIL:	75KV	3	10725		Tolerance:	+15%	+15%
		4	10450		Total	786	KG
		5	10175		Weight of	205	KG
Current in Amps:			7.87	208.69	AS per Measurement: AHK Electric Company. 200 kVA		
Rated Capacity:			200	KVA			
Phase:			3	(Three)			
Vecto Group:			Dyn-11				
Winding resistance in ohm at 30°C			Ratio Test				
High Voltage side		Low Voltage Side	Tapping:	1	2	3	4
A-B	12.16	a b 0.0046	Measure				
B-C	12.04	b-c 0.0046	Ratio:	27.18	26.48	25.77	25.19
C-A	12.28	c-a 0.0046	Vector Group Test:				
			Test Result:	Dyn-11			
Measurement of No load loss & current			Measurement of Load Loss & Impedence				
Applied Voltage on LV side	No Load loss in watt	No Load Current(%)	Rated Current in Amps	Load Loss at 75°C in watts	tmp. at 75°C in %		
4 15 V	429	1.84	7.87	2770	3.90		
High Voltage Test			Induced Over Voltage Test				
Applied Voltage on HV side:		28 kV	Applied Voltage on LV side:		0.83 kV		
Applied Voltage on LV side:		2.5 kV	Frequency:		200 Hz		
Frequency:		50 Hz	Time Duration:		30 second		
Time Duration:		1 Mn.					
Dielectric Strength of Oil in KV			Insulation Resistance Measured by 1000 MΩ Megger at 30°C				
At 2.5 mm electrode gap:		>50	HV-Body :		1000 MΩ		
			LV-Body :		1000 MΩ		
			HV - LV :		1000 MΩ		
It is hereby certify that the transformer is in conformity with the existing standards and declared fit for operation.							
 Md. Tousifur Rahman Electrical Supervisor Losung Power Engineering				 Md. Siddiquir Rahman Technical Engineer Losung Power Engineering			





TEST CERTIFICATE

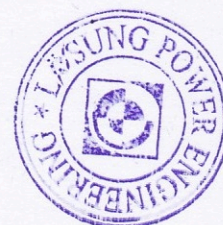
Brand	AHK Electric Company.		3 - Phase Distribution Transformer		X-former Mfg. No.:	200/35	
Client Name	Dhaka WASA	Contract No				Year of Manufacture:	
Standard:	IEC-60076	Tap	Volts in	Volts in	Voltage ratio: 11000/415		
Service:	Continious	Position	H.V	L.V.	Values at 75°C		
Type of Cooling:	ONAN	1	11275		Po (kW)	Psc (kW)	Imp.(%)
Frequency:	50 Hz	2	11000	415	Guarantee:	0.350	2.40
BIL:	75KV	3	10725		Tolerance:	+15%	+15%
		4	10450		Total	786	KG
		5	10175		Weight of	205	KG
Current in Amps:			7.87	208.69	AS per Measurement: AHK Electric Company. 200 kVA		
Rated Capacity:			200	KVA			
Phase:			3	(Three)			
Vecto Group:			Dyn-11				
Winding resistance in ohm at 30°C				Ratio Test			
High Voltage side		Low Voltage Side		Tapping:	1	2	3
A-B	12.16	a b	0.0047	Measure			
B-C	12.04	b-c	0.0047	Ratio:	27.18	26.49	25.77
C-A	12.28	c-a	0.0047	Vector Group Test:			
				Test Result:	Dyn-11		
Measurement of No load loss & current				Measurement of Load Loss & Impedence			
Applied Voltage on LV side	No Load loss in watt	No Load Current(%)		Rated Current in Amps	Load Loss at 75°C in watts	tmp. at 75°C in %	
4 15 V	418	2.01		7.87	2755	3.75	
High Voltage Test				Induced Over Voltage Test			
Applied Voltage on HV side:		28 kV		Applied Voltage on LV side:		0.83 kV	
Applied Voltage on LV side:		2.5 kV		Frequency:		200 Hz	
Frequency:		50 Hz		Time Duration:		30 second	
Time Duration:		1 Mn.					
Dielectric Strength of Oil in KV				Insulation Resistance Measured by 1000 MΩ Megger at 30°C			
At 2.5 mm electrode gap:		>50		HV-Body :		1000 MΩ	
				LV-Body :		1000 MΩ	
				HV - LV :		1000 MΩ	
It is hereby certify that the transformer is in conformity with the existing standards and declared fit for operation.							
 Md. Tousifur Rahman Electrical Supervisor Losung Power Engineering				 Md. Siddiqur Rahman Technical Engineer Losung Power Engineering			





TEST CERTIFICATE

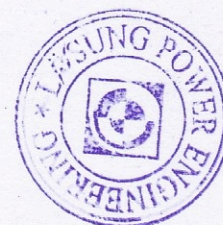
Brand	General Electric		3 - Phase Distribution Transformer			X-former Mfg. No.:	22-23-049	
Client Name	Dhaka WASA	Contract No				Year of Manufacture:		
Standard:	IEC-60076	Tap	Volts in	Volts in	Voltage ratio:	11000/415		
Service:	Continuous	Position	H.V	L.V.	Values at 75°C			
Type of Cooling:	ONAN	1	11275		Po (kW)	Psc (kW)	Imp.(%)	
Frequency:	50 Hz	2	11000	415	Guarantee:	0.350	2.40	4.00
BIL:	75KV	3	10725		Tolerance:	+15%	+15%	±10%
		4	10450		Total	786	KG	
		5	10175		Weight of	205	KG	
Current in Amps:			7.87	208.69	AS per Measurement: General Electric. 200 kVA			
Rated Capacity:			200	KVA				
Phase:			3	(Three)				
Vecto Group:			Dyn-11					
Winding resistance in ohm at 30°C					Ratio Test			
High Voltage side		Low Voltage Side		Tapping:	1	2	3	4
A-B	12.16	a b	0.0048	Measure				
B-C	12.04	b-c	0.0048	Ratio:	27.18	26.47	25.78	25.18
C-A	12.28	c-a	0.0048	Vector Group Test:				
				Test Result:	Dyn-11			
Measurement of No load loss & current				Measurement of Load Loss & Impedence				
Applied Voltage on LV side	No Load loss in watt	No Load Current(%)		Rated Current in Amps	Load Loss at 75°C in watts	tmp. at 75°C in %		
4 15 V	435	1.98		7.87	2744	4.00		
High Voltage Test				Induced Over Voltage Test				
Applied Voltage on HV side:			28 kV	Applied Voltage on LV side:			0.83 kV	
Applied Voltage on LV side:			2.5 kV	Frequency:			200 Hz	
Frequency:			50 Hz	Time Duration:			30 second	
Time Duration:			1 Mn.					
Dielectric Strength of Oil in KV				Insulation Resistance Measured by 1000 MΩ Megger at 30°C				
At 2.5 mm electrode gap:			>50	HV-Body :		1000 MΩ		
				LV-Body :		1000 MΩ		
				HV - LV :		1000 MΩ		
It is hereby certify that the transformer is in conformity with the existing standards and declared fit for operation.								
 Md. Tousifur Rahman Electrical Supervisor Losung Power Engineering				 Md. Siddiqur Rahman Technical Engineer Losung Power Engineering				





TEST CERTIFICATE

Brand	General Electric.		3 - Phase Distribution Transformer			X-former Mfg. No.:	6	
Client Name	Dhaka WASA	Contract No				Year of Manufacture:		
Standard:	IEC-60076	Tap	Volts in	Volts in	Voltage ratio:	11000/415		
Service:	Continuous	Position	H.V	L.V.	Values at 75°C			
Type of Cooling:	ONAN	1	11275		Po (kW)	Psc (kW)	Imp.(%)	
Frequency:	50 Hz	2	11000	415	Guarantee:	0.350	2.40	4.00
BIL:	75KV	3	10725		Tolerance:	+15%	+15%	±10%
		4	10450		Total	786	KG	
		5	10175		Weight of	205	KG	
Current in Amps:			7.87	208.69	AS per Measurement: General Electric. 200 kVA			
Rated Capacity:			200	KVA				
Phase:			3	(Three)				
Vecto Group:			Dyn-11					
Winding resistance in ohm at 30°C			Ratio Test					
High Voltage side		Low Voltage Side	Tapping:	1	2	3	4	5
A-B	12.16	a b	0.0049	Measure				
B-C	12.04	b-c	0.0049	Ratio:	27.18	26.49	25.78	25.17
C-A	12.28	c-a	0.0049	Vector Group Test:				
			Test Result:	Dyn-11				
Measurement of No load loss & current				Measurement of Load Loss & Impedence				
Applied Voltage on LV side	No Load loss in watt	No Load Current(%)		Rated Current in Amps	Load Loss at 75°C in watts	tmp. at 75°C in %		
4 15 V	429	1.90		7.87	2760	3.88		
High Voltage Test				Induced Over Voltage Test				
Applied Voltage on HV side:			28 kV	Applied Voltage on LV side:			0.83 kV	
Applied Voltage on LV side:			2.5 kV	Frequency:			200 Hz	
Frequency:			50 Hz	Time Duration:			30 second	
Time Duration:			1 Mn.					
Dielectric Strength of Oil in KV				Insulation Resistance Measured by 1000 MΩ Megger at 30°C				
At 2.5 mm electrode gap:			>50	HV-Body :		1000 MΩ		
				LV-Body :		1000 MΩ		
				HV - LV :		1000 MΩ		
It is hereby certify that the transformer is in conformity with the existing standards and declared fit for operation.								
 Md. Tousifur Rahman Electrical Supervisor Losung Power Engineering				 Md. Siddiqur Rahman Technical Engineer Losung Power Engineering				





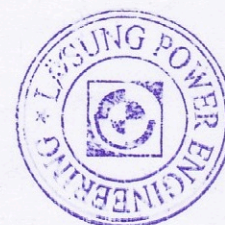
LOSUNG POWER ENGINEERING

Sagufta D'Loel, 1/2/B (Level 4), Kamlapur Bazar Road, Motijheel, Dhaka 1217
Tel: 02 2222 24543, Cell: 01714 910467, 01814 808098, E-mail: info@losungpower.com



TEST CERTIFICATE

Brand	ADEX.		3 - Phase Distribution Transformer		X-former Mfg. No.:	150309-221	
Client Name	Dhaka WASA	Contract No				Year of Manufacture:	
Standard:	IEC-60076	Tap	Volts in	Volts in	Voltage ratio: 11000/415		
Service:	Continious	Position	H.V	L.V.	Values at 75°C		
Type of Cooling:	ONAN	1	11275		Po (kW)	Psc (kW)	Imp.(%)
Frequency:	50 Hz	2	11000	415	Guarantee:	0.350	2.40
BIL:	75KV	3	10725		Tolerance:	+15%	+15%
		4	10450		Total	786	KG
		5	10175		Weight of	205	KG
Current in Amps:			7.87	208.69	AS per Measurement: ADEX. 200 kVA		
Rated Capacity:			200	KVA			
Phase:			3	(Three)			
Vecto Group:			Dyn-11				
Winding resistance in ohm at 30°C			Ratio Test				
High Voltage side		Low Voltage Side		Tapping:	1	2	3
A-B	12.16	a b	0.0044	Measure			
B-C	12.04	b-c	0.0044	Ratio:	27.18	26.49	25.78
C-A	12.28	c-a	0.0044	Vector Group Test:			
			Test Result:		Dyn-11		
Measurement of No load loss & current			Measurement of Load Loss & Impedence				
Applied Voltage on LV side	No Load loss in watt	No Load Current(%)		Rated Current in Amps	Load Loss at 75°C in watts	tmp. at 75°C in %	
4 15 V	428	1.89		7.87	2766	3.91	
High Voltage Test			Induced Over Voltage Test				
Applied Voltage on HV side:			28 kV	Applied Voltage on LV side:			0.83 kV
Applied Voltage on LV side:			2.5 kV	Frequency:			200 Hz
Frequency:			50 Hz	Time Duration:			30 second
Time Duration:			1 Mn.				
Dielectric Strength of Oil in KV			Insulation Resistance Measured by 1000 MΩ Megger at 30°C				
At 2.5 mm electrode gap:			>50	HV-Body :		1000 MΩ	
				LV-Body :		1000 MΩ	
				HV - LV :		1000 MΩ	
It is hereby certify that the transformer is in conformity with the existing standards and declared fit for operation.							
 Md. Tousifur Rahman Electrical Supervisor Losung Power Engineering				 Md. Siddiqur Rahman Technical Engineer Losung Power Engineering			





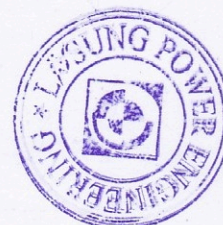
LOSUNG POWER ENGINEERING

Sagufta D'Lorel, 1/2/B (Level 4), Kamlapur Bazar Road, Motijheel, Dhaka 1217
Tel: 02 2222 24543, Cell: 01714 910467, 01814 808098, E-mail: info@losungpower.com



TEST CERTIFICATE

Brand	ADEX.		3 - Phase Distribution Transformer		X-former Mfg. No.:	110206-95	
Client Name	Dhaka WASA	Contract No			Year of Manufacture:		
Standard:	IEC-60076	Tap	Volts in	Volts in	Voltage ratio: 11000/415		
Service:	Continuous	Position	H.V	L.V.	Values at 75°C		
Type of Cooling:	ONAN	1	11275		Po (kW)	Psc (kW)	Imp.(%)
Frequency:	50 Hz	2	11000	415	Guarantee:	0.350	2.40
BIL:	75KV	3	10725		Tolerance:	+15%	+15%
		4	10450		Total	786	KG
		5	10175		Weight of	205	KG
Current in Amps:			7.87	208.69	AS per Measurement: ADEX. 200 kVA		
Rated Capacity:			200	KVA			
Phase:			3	(Three)			
Vecto Group:			Dyn-11				
Winding resistance in ohm at 30°C			Ratio Test				
High Voltage side		Low Voltage Side	Tapping:	1	2	3	4
A-B	12.16	a b 0.0043	Measure				
B-C	12.04	b-c 0.0043	Ratio:	27.18	26.49	25.78	25.17
C-A	12.28	c-a 0.0043	Vector Group Test:				
			Test Result:	Dyn-11			
Measurement of No load loss & current			Measurement of Load Loss & Impedence				
Applied Voltage on LV side	No Load loss in watt	No Load Current(%)	Rated Current in Amps	Load Loss at 75°C in watts	tmp. at 75°C in %		
4 15 V	421	2.02	7.87	2745	3.78		
High Voltage Test			Induced Over Voltage Test				
Applied Voltage on HV side:		28 kV	Applied Voltage on LV side:		0.83 kV		
Applied Voltage on LV side:		2.5 kV	Frequency:		200 Hz		
Frequency:		50 Hz	Time Duration:		30 second		
Time Duration:		1 Mn.					
Dielectric Strength of Oil in KV			Insulation Resistance Measured by 1000 MΩ Megger at 30°C				
At 2.5 mm electrode gap:		>50	HV-Body :		1000 MΩ		
			LV-Body :		1000 MΩ		
			HV - LV :		1000 MΩ		
It is hereby certify that the transformer is in conformity with the existing standards and declared fit for operation.							
 Md. Tousifur Rahman Electrical Supervisor Losung Power Engineering				 Md. Siddiqur Rahman Technical Engineer Losung Power Engineering			





TEST CERTIFICATE

Brand	Power Man		3 - Phase Distribution Transformer		X-former Mfg. No.:	61323501		
Client Name	Dhaka WASA	Contract No				Year of Manufacture:		
Standard:	IEC-60076	Tap	Volts in	Volts in	Voltage ratio:	11000/415		
Service:	Continuous	Position	H.V	L.V.	Values at 75°C			
Type of Cooling:	ONAN	1	11275		Po (kW)	Psc (kW)	Imp.(%)	
Frequency:	50 Hz	2	11000	415	Guarantee:	0.350	2.40	4.00
BIL:	75KV	3	10725		Tolerance:	+15%	+15%	±10%
		4	10450		Total	786	KG	
		5	10175		Weight of	205	KG	
Current in Amps:			7.87	208.69	AS per Measurement: Power Man 200 kVA			
Rated Capacity:			200	KVA				
Phase:			3	(Three)				
Vecto Group:			Dyn-11					
Winding resistance in ohm at 30°C			Ratio Test					
High Voltage side		Low Voltage Side	Tapping:	1	2	3	4	5
A-B	12.16	a b 0.0042	Measure					
B-C	12.04	b-c 0.0042	Ratio:	27.18	26.49	25.79	25.18	24.51
C-A	12.28	c-a 0.0042	Vector Group Test:					
			Test Result:	Dyn-11				
Measurement of No load loss & current				Measurement of Load Loss & Impedance				
Applied Voltage on LV side	No Load loss in watt	No Load Current(%)	Rated Current in Amps	Load Loss at 75°C in watts	tmp. at 75°C in %			
4 15 V	430	1.83	7.87	2751	3.81			
High Voltage Test			Induced Over Voltage Test					
Applied Voltage on HV side:		28 kV	Applied Voltage on LV side:		0.83 kV			
Applied Voltage on LV side:		2.5 kV	Frequency:		200 Hz			
Frequency:		50 Hz	Time Duration:		30 second			
Time Duration:		1 Mn.						
Dielectric Strength of Oil in KV			Insulation Resistance Measured by 1000 MΩ Megger at 30°C					
At 2.5 mm electrode gap:		>50	HV-Body :		1000 MΩ			
			LV-Body :		1000 MΩ			
			HV - LV :		1000 MΩ			
It is hereby certify that the transformer is in conformity with the existing standards and declared fit for operation.								
 Md. Tousifur Rahman Electrical Supervisor Losung Power Engineering				 Md. Siddiqur Rahman Technical Engineer Losung Power Engineering				





TEST CERTIFICATE

Brand	SATCO		3 - Phase Distribution Transformer		X-former Mfg. No.:	200/188	
Client Name	Dhaka WASA	Contract No			Year of Manufacture:		
Standard:	IEC-60076	Tap	Volts in	Volts in	Voltage ratio:	11000/415	
Service:	Continuous	Position	H.V	L.V.	Values at 75°C		
Type of Cooling:	ONAN	1	11275		Po (kW)	Psc (kW)	Imp.(%)
Frequency:	50 Hz	2	11000	415	Guarantee:	0.350	2.40
BIL:	75KV	3	10725		Tolerance:	+15%	+15%
		4	10450		Total	786	KG
		5	10175		Weight of	205	KG
Current in Amps:			7.87	208.69	AS per Measurement: SATCO. 200 kVA		
Rated Capacity:			200	KVA			
Phase:			3	(Three)			
Vecto Group:			Dyn-11				
Winding resistance in ohm at 30°C			Ratio Test				
High Voltage side		Low Voltage Side	Tapping:	1	2	3	4
A-B	12.16	a b 0.0041	Measure				
B-C	12.04	b-c 0.0041	Ratio:	27.18	26.49	25.78	25.19
C-A	12.28	c-a 0.0041	Vector Group Test:				
			Test Result:	Dyn-11			
Measurement of No load loss & current			Measurement of Load Loss & Impedence				
Applied Voltage on LV side	No Load loss in watt	No Load Current(%)	Rated Current in Amps	Load Loss at 75°C in watts	tmp. at 75°C in %		
4 15 V	425	1.75	7.87	2762	4.00		
High Voltage Test			Induced Over Voltage Test				
Applied Voltage on HV side:	28 kV	Applied Voltage on LV side:	0.83 kV				
Applied Voltage on LV side:	2.5 kV	Frequency:	200 Hz				
Frequency:	50 Hz	Time Duration:	30 second				
Time Duration:	1 Mn.						
Dielectric Strength of Oil in KV			Insulation Resistance Measured by 1000 MΩ Megger at 30°C				
At 2.5 mm electrode gap:	>50	HV-Body :	1000 MΩ				
		LV-Body :	1000 MΩ				
		HV - LV :	1000 MΩ				
It is hereby certify that the transformer is in conformity with the existing standards and declared fit for operation.							
 Md. Tousifur Rahman Electrical Supervisor Losung Power Engineering				 Md. Siddiquir Rahman Technical Engineer Losung Power Engineering			





TEST CERTIFICATE

Brand	SATCO		3 - Phase Distribution Transformer		X-former Mfg. No.:	200/92		
Client Name	Dhaka WASA	Contract No				Year of Manufacture:		
Standard:	IEC-60076	Tap	Volts in	Volts in	Voltage ratio:	11000/415		
Service:	Continious	Position	H.V	L.V.	Values at 75°C			
Type of Cooling:	ONAN	1	11275		Po (kW)	Psc (kW)	Imp.(%)	
Frequency:	50 Hz	2	11000	415	Guarantee:	0.350	2.40	4.00
BIL:	75KV	3	10725		Tolerance:	+15%	+15%	±10%
		4	10450		Total	786	KG	
		5	10175		Weight of	205	KG	
Current in Amps:			7.87	208.69	AS per Measurement: SATCO. 200 kVA			
Rated Capacity:			200	KVA				
Phase:			3	(Three)				
Vecto Group:			Dyn-11					
Winding resistance in ohm at 30°C			Ratio Test					
High Voltage side		Low Voltage Side	Tapping:	1	2	3	4	5
A-B	12.16	a b	0.0040	Measure				
B-C	12.04	b-c	0.0040	Ratio:	27.18	26.47	25.79	25.19
C-A	12.28	c-a	0.0040	Vector Group Test:				
			Test Result:	Dyn-11				
Measurement of No load loss & current				Measurement of Load Loss & Impedence				
Applied Voltage on LV side	No Load loss in watt	No Load Current(%)		Rated Current in Amps	Load Loss at 75°C in watts	tmp. at 75°C in %		
4 15 V	428	1.88		7.87	2745	3.97		
High Voltage Test				Induced Over Voltage Test				
Applied Voltage on HV side:			28 kV	Applied Voltage on LV side:			0.83 kV	
Applied Voltage on LV side:			2.5 kV	Frequency:			200 Hz	
Frequency:			50 Hz	Time Duration:			30 second	
Time Duration:			1 Mn.					
Dielectric Strength of Oil in KV				Insulation Resistance Measured by 1000 MΩ Megger at 30°C				
At 2.5 mm electrode gap:			>50	HV-Body :		1000 MΩ		
				LV-Body :		1000 MΩ		
				HV - LV :		1000 MΩ		
It is hereby certify that the transformer is in conformity with the existing standards and declared fit for operation.								
 Md. Tousifur Rahman Electrical Supervisor Losung Power Engineering				 Md. Siddiquir Rahman Technical Engineer Losung Power Engineering				

