



M/S. AL-HASIB INTERNATIONAL

1st Class Civil Contractor, Builder, Importer, Exporter & General Supplier
(Enlisted Contractor: Dhaka WASA, R&H, LGED, BIWTC, Dhaka Zila Porishad)

TEST CERTIFICATE

Brand	GEMCO		3 - Phase Distribution Transformer		X-former Mfg. No.:	11-19-03	
Client Name	Dhaka WASA	Contract No	46.113.424.00.00.005.25.89.85, Date: 05-05-25			Year of Manufacture:	2012
Standard:	IEC-60076	Tap	Volts in	Volts in	Voltage ratio:	11000/415	
Service:	Continuous	Position	II.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	2.30
BIL:	75KV	3	10725		Tolerance:	+15%	+15%
		4	10450		Total Weight:	1025	Kg
		5	10175		Weight of Oil:	246	Kg
Current in Amps:			10.50	278.25	AS per Measurement:		
Rated Capacity:			200	KVA	200KVA		
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	8.20	a-b	0.0079	Measured			
B-C	8.20	b-c	0.0069	Ratio:	27.17	26.51	25.84
C-A	8.20	c-a	0.0071	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	Imp. at 75°C in %	
413 V	400	6.23		10.50	2576	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:		50 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 :		960 MΩ	
				LV-Body :		1000 MΩ	
				HV - LV :		980 MΩ	
It is hereby certify that the transformer is in conformity with the existing standards and declared fit for operation.							
 Md Abu Saleh Sr Technician M/S Al-Hasib International Date: 30-06-25				 H. M Abu Shueb Electrical Supervisor Reg # S20210003191 M/S Al-Hasib International Date: 29-06-25			

29/06/25

সঞ্জয় মিশ্র
উপ-সহকারী প্রকৌশলী
এম. বিভাগ-২, ঢাকা ওয়াসা

29.06.25

মোঃ মাহবুবুল হক প্রামানিক
সহকারী প্রকৌশলী
এফ.এম. বিভাগ-২, ঢাকা ওয়াসা

29/06/25

(শেখ আরিফ রহমান জিতু)
নির্বাহী প্রকৌশলী
এফ.এম. বিভাগ-২, ঢাকা ওয়াসা

Head Office: 19/C, Golapbag (Branhman Cheran), Dhaka.

Branch Office: House No # 4, Road No # 02, Shyampur, Dhaka-1204.

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TEST CERTIFICATE

Brand	POWERMAN		3 - Phase Distribution Transformer		X-former Mfg. No.:	2001112	
Client Name	Dhaka WASA	Contract No	46.113.424.00.00.005.25.89.85, Date: 05-05-25		Year of Manufacture:	2014	
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	2.30
BIL:	75KV	3	10725		Tolerance:	+15%	+15%
		4	10450		Total Weight:	1025	Kg
		5	10175		Weight of Oil:	246	Kg
Current in Amps:			10.50	278.25	AS per Measurement: 200KVA		
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	8.20	a-b	0.0079	Measured			
B-C	8.20	b-c	0.0069	Ratio:	27.17	26.51	25.84
C-A	8.20	c-a	0.0071	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 %	
413 V	400	6.23		10.50	2576	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:		50 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 :		960 MΩ	
				LV-Body :		1000 MΩ	
				HV - LV :		980 MΩ	
It is hereby certify that the transformer is in conformity with the existing standards and declared fit for operation.							
 Md Abu Saleh Sr Technician M/S Al-Hasib International Date: 30-06-25				 H. M Abu Shoeb Electrical Supervisor Reg # S20210003191 M/S Al-Hasib International Date: 29-06-25			

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TEST CERTIFICATE

Brand	POWERMAN		3 - Phase Distribution Transformer		X-former Mfg. No.:	2000999	
Client Name	Dhaka WASA	Contract No	46.113.424.00.00.005.25.89.85, Date: 05-05-25		Year of Manufacture:	2013	
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	2.30
BIL:	75KV	3	10725		Tolerance:	+15%	+15%
		4	10450		Total Weight:	945	Kg
		5	10175		Weight of Oil:	244	Kg
Current in Amps:			10.50	278.25	AS per Measurement: 200KVA		
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	8.18	a b	0.0038	Measured			
B-C	8.17	b-c	0.0040	Ratio:	27.17	26.51	25.84
C-A	8.17	c-a	0.0038	Vector Group Test:			
				Test Result:	Dyn-11		
Measurement of No load loss & current				Measurement of Load Loss & Impedence			
Applied Voltage on L.V 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 13 V	330	2.80		10.50	2820	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:		50 Hz	
Frequency:		50 Hz		Time Duration:		60 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 :		980 MΩ	
It is hereby certify that the transformer is in conformity with the existing standards and declared fit for operation.							
 Md Abu Saleh Sr Technician M/S Al- Hasib International Date: 30-06-25				 H. M Abu Shoeb Electrical Supervisor Reg # S20210003191 M/S Al- Hasib International Date: 29-06-25			

29/06/25

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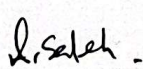
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E-mail: hasibintl06861@gmail.com
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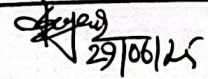


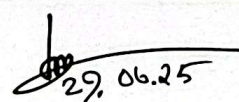
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(Enlisted Contractor: Dhaka WASA, R&H, LGED, BIWTC, Dhaka Zila Porishad)

TEST CERTIFICATE

Brand	GEMCO		3 - Phase Distribution Transformer		X-former Mfg. No.:	17-18044	
Client Name	Dhaka WASA	Contract No	46.113.424.00.00.005.25.89.85, Date: 05-05-25			Year of Manufacture:	2018
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	2.30
BIL:	75KV	3	10725		Tolerance:	+15%	+15%
		4	10450		Total Weight:	1025	Kg
		5	10175		Weight of Oil:	246	Kg
Current in Amps:			10.50	278.25	AS per Measurement: 200KVA		
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	8.20	a-b	0.0079	Measured			
B-C	8.20	b-c	0.0069	Ratio:	27.17	26.51	25.84
C-A	8.20	c-a	0.0071	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 13 V	400	6.23		10.50	2576	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:		50 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 :		960 MΩ	
				LV-Body :		1000 MΩ	
				HV - LV :		980 MΩ	
It is hereby certify that the transformer is in conformity with the existing standards and declared fit for operation.							
 Md Abu Saleh Sr Technician M/S Al-Hasib International Date: 30-06-25				 H. M Abu Shoeb Electrical Supervisor Reg # S20210003191 M/S Al-Hasib International Date: 29-06-25			


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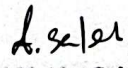
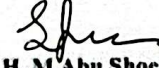
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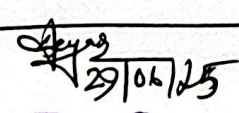


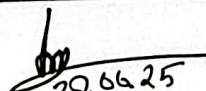
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(Enlisted Contractor: Dhaka WASA, R&H, LGED, BIWTC, Dhaka Zila Porishad)

TEST CERTIFICATE

Brand	GEMCO		3 - Phase Distribution Transformer		X-former Mfg. No.:	11-19-03	
Client Name	Dhaka WASA	Contract No	46.113.424.00.00.005.25.89.85, Date: 05-05-25		Year of Manufacture:	2012	
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	2.30
BIL:	75KV	3	10725		Tolerance:	+15%	+15%
		4	10450		Total Weight:	1025	Kg
		5	10175		Weight of Oil:	246	Kg
Current in Amps:			10.50	278.25	AS per Measurement: 200KVA		
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	8.20	a-b	0.0079	Measured			
B-C	8.20	b-c	0.0069	Ratio:	27.17	26.51	25.84
C-A	8.20	c-a	0.0071	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	Imp. at 75°C in %		
413 V	400	6.23	10.50	2576	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:	50 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 :	960 MΩ		
				LV-Body :	1000 MΩ		
				HV - LV :	980 MΩ		
It is hereby certify that the transformer is in conformity with the existing standards and declared fit for operation.							
 Md Abu Saleh Sr Technician M/S Al- Hasib International Date: 30-06-25				 H. M Abu Shueb Electrical Supervisor Reg # S20210003191 M/S Al- Hasib International Date: 29-06-25			


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 সঞ্জয় মিশ্র
 উপ-সহকারী প্রকৌশলী
 এফ এম বিভাগ-২, ঢাকা ওয়াসা


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TEST CERTIFICATE

Brand	GEMCO		3 - Phase Distribution Transformer		X-former Mfg. No.:	11-1204	
Client Name	Dhaka WASA	Contract No	46.113.424.00.00.005.25.89.85, Date: 05-05-25		Year of Manufacture:	2012	
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	2.30
BIL:	75KV	3	10725		Tolerance:	+15%	+15%
		4	10450		Total Weight:	1025	Kg
		5	10175		Weight of Oil:	246	Kg
Current in Amps:			10.50	278.25	AS per Measurement: 200KVA		
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	8.20	a-b	0.0079	Measured			
B-C	8.20	b-c	0.0069	Ratio:	27.17	26.51	25.84
C-A	8.20	c-a	0.0071	Vector Group Test:			
			Test Result:	Dyn-11			
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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 %	
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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:	50 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 :		960 MΩ	
				LV-Body :		1000 MΩ	
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It is hereby certify that the transformer is in conformity with the existing standards and declared fit for operation.							
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 উপ-সহকারী প্রকৌশলী
 এফ এম বিভাগ-২, ঢাকা ওয়াসা

29/06/25
 মোঃ মাহবুবুল হক প্রামাণিক
 সহকারী প্রকৌশলী
 এফ.এম. বিভাগ-২, ঢাকা ওয়াসা

29/06/25
 (শেখ আরিফ রহমান জিতু)
 নির্বাহী প্রকৌশলী
 এফ.এম. বিভাগ-২, ঢাকা ওয়াসা

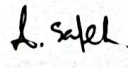
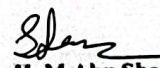
Head Office: 19/C, Golapbag (Branhman Cheran), Dhaka.
Branch Office: House No # 4, Road No # 02, Shyampur, Dhaka-1204.
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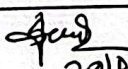


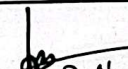
M/S. AL-HASIB INTERNATIONAL

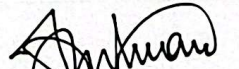
1st Class Civil Contractor, Builder, Importer, Exporter & General Supplier
(Enlisted Contractor: Dhaka WASA, R&H, LGED, BIWTC, Dhaka Zila Porishad)

TEST CERTIFICATE

Brand	GEMCO		3 - Phase Distribution Transformer		X-former Mfg. No.:	990-495	
Client Name	Dhaka WASA	Contract No	46.113.424.00.00.005.25.89.85, Date: 05-05-25		Year of Manufacture:	2000	
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	2.30
BIL:	75KV	3	10725		Tolerance:	+15%	+15%
		4	10450		Total Weight:	1025	Kg
		5	10175		Weight of Oil:	246	Kg
Current in Amps:			10.50	278.25	AS per Measurement:		
Rated Capacity:			200	KVA	200KVA		
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	8.20	a-b	0.0079	Measured			
B-C	8.20	b-c	0.0069	Ratio:	27.17	26.51	25.84
C-A	8.20	c-a	0.0071	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 %	
413 V	400	6.23		10.50	2576	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:		50 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 :		960 MΩ	
				LV-Body :		1000 MΩ	
				HV - LV :		980 MΩ	
It is hereby certify that the transformer is in conformity with the existing standards and declared fit for operation.							
 Md Abu Saleh Sr Technician M/S Al-Hasib International Date: 30-06-25				 H. M Abu Shueb Electrical Supervisor Reg # S20210003191 M/S Al-Hasib International Date: 29-06-25			


 29/06/25
 সঞ্জয় মিশ্র
 উপ-সহকারী প্রকৌশলী
 এফ এম বিভাগ-২, ঢাকা ওয়াসা


 29.06.25
 মোঃ মাহবুবুল হক প্রামাণিক
 সহকারী প্রকৌশলী
 এফ.এম. বিভাগ-২, ঢাকা ওয়াসা


 29/06/25
 (শেখ আরিফ রহমান জিতু)
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TEST CERTIFICATE

Brand	BETELCO		3 - Phase Distribution Transformer		X-former Mfg. No.:	200638	
Client Name	Dhaka WASA	Contract No	46.113.424.00.00.005.25.89.85, Date: 05-05-25		Year of Manufacture:	Mar-09	
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	2.30 4.00
BIL:	75KV	3	10725		Tolerance:	+15%	+15% ±10%
		4	10450		Total Weight:	1025	Kg
		5	10175		Weight of Oil:	246	Kg
Current in Amps:			10.50	278.25	AS per Measurement: 200KVA		
Rated Capacity:			200	KVA			
Phase:			3	(Three)			
Vecro 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	8.20	a-b	0.0079	Measured			
B-C	8.20	b-c	0.0069	Ratio:	27.17	26.51	25.84 25.18 24.52
C-A	8.20	c-a	0.0071	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 %	
413 V	400	6.23		10.50	2576	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:		50 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 :		960 MΩ	
				LV-Body :		1000 MΩ	
				HV - LV :		980 MΩ	
It is hereby certify that the transformer is in conformity with the existing standards and declared fit for operation.							
 Md Abu Saleh Sr Technician M/S Al-Hasib International Date: 30-06-25				 H. M Abu Shoeb Electrical Supervisor Reg # S20210003191 M/S Al-Hasib International Date: 29-06-25			

29/06/25
সঞ্জয় মিশ্র
উপ-সহকারী প্রকৌশলী
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29. 06.25
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29/06/25
(শেখ আরিফ রহমান জিতু)
নির্বাহী প্রকৌশলী
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TEST CERTIFICATE

Brand	DONG BANG ELECTRIC CO.		3 - Phase Distribution Transformer		X-former Mfg. No.:	980612	
Client Name	Dhaka WASA	Contract No	46.113.424.00.00.005.25.89.85, Date: 05-05-25		Year of Manufacture:	1998	
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	2.30
BIL:	75KV	3	10725		Tolerance:	+15%	+15%
		4	10450		Total Weight:	1025	Kg
		5	10175		Weight of Oil:	246	Kg
Current in Amps:			7.87	208.69	AS per Measurement:		
Rated Capacity:			150	KVA	150KVA		
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	8.12	a b	0.0085	Measured			
B-C	8.11	b-c	0.0084	Ratio:	27.17	26.51	25.84
C-A	8.12	c-a	0.0084	Vector Group Test:			
				Test Result:	Dyn-11		
Measurement of No load loss & current				Measurement of Load Loss & Impedence			
Applied Voltage on L.V side	No Load loss in watt	No Load Current(%)		Rated Current in Amps	Load Loss at 75°C in watts		Imp. at 75°C in %
404 V	230	5.30		7.87	2300		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 L.V side:		2.5 kV		Frequency:		50 Hz	
Frequency:		50 Hz		Time Duration:		60 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 :		940 MΩ	
				LV-Body :		990 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 Abu Saleh Sr Technician M/S Al-Hasib International Date: 30-06-25				 H. M Abu Shoeb Electrical Supervisor Reg # S20210003191 M/S Al-Hasib International Date: 29-06-25			

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TEST CERTIFICATE

Brand	GEMCO		3 - Phase Distribution Transformer		X-former Mfg. No.:	11-19-03	
Client Name	Dhaka WASA	Contract No	46.113.424.00.00.005.25.89.85, Date: 05-05-25		Year of Manufacture:	2012	
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	2.30
BIL:	75KV	3	10725		Tolerance:	+15%	+15%
		4	10450		Total Weight:	1025	Kg
		5	10175		Weight of Oil:	246	Kg
Current in Amps:			10.50	278.25	AS per Measurement: 200KVA		
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	8.20	a-b	0.0079	Measured			
B-C	8.20	b-c	0.0069	Ratio:	27.17	26.51	25.84
C-A	8.20	c-a	0.0071	Vector Group Test:			
				Test Result:	Dyn-11		
Measurement of No load loss & current				Measurement of Load Loss & Impedence			
Applied Voltage on L.V 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 %	
413 V	400	6.23		10.50	2576	4.00	
High Voltage Test				Induced Over Voltage Test			
Applied Voltage on HV side:		28 kV		Applied Voltage on L.V side:		0.83 kV	
Applied Voltage on L.V side:		2.5 kV		Frequency:		50 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 :		960 MΩ	
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