



STAR DELTA ENGINEERS LTD.

স্টার ডেল্টা ইঞ্জিনিয়ার্স লিঃ

Adamjee Court (2nd Floor), Room No. 25, 26, & 27, 115-120 Motijheel Commercial Area, Dhaka-1000
Tel. : 9564688, 9562735, 9587649, Fax : 9563114, E-mail : sdeltaengineers@gmail.com.

Ref: SDEL/ SEL/WO/2021/015

Dated: 22 September, 2021

To
Cross World Power Ltd.
Plot 1/B, Road 90,
Gulshan - 2,
Dhaka 1212,
Bangladesh

Sub: Work order for Supply, Installation, Testing & Commissioning of ATS/ LT Panel and 600KVAR PFI plant for Swetech Fashions Ltd., Factory building-10, CEPZ Chattogram

Ref. i) CWPL/SS/GSH/224052021 dated 24.05.2021

Dear Sir,

Reference to the above we are issuing work order to your company for the following works.

SL	Description of Work	Unit	Quantity	Unit rate (Tk.)	Amount (TK.)	Remarks
1	ATS/ LT panel	Set	1.00	2,096,862.61	2,096,862.61	
2	600KVAR PFI plant	Set	1.00	530,000.00	530,000.00	
3	Installation with existing Transformer & PFI	job	1.00	34,091.00	34,091.00	
				Total=	2,660,953.61	
				Special discount =	60,953.61	
				Total =	2,600,000.00	

Terms and Conditions:

- 1) Price : Total price is Tk.26,00,000.00 (Taka Twenty six lac) only.
- 2) Project : Swetech Fashions Ltd., Factory building-10, CEPZ, Chattogram
- 3) Delivery at Site : On or before 5th October, 2021 at project site with CWPL own arrangement.
- 4) Installation : Installation work will be done by CWPL
- 5) Warranty/ Guarantee: 18 months from the date of delivery or 12 months from the date of commissioning
- 6) Standard: 100% compliance and ACCORD, Alliance, RSC, NIRAPON standard.



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- 7) All Circuits Breakers will be ABB, Italy
- 9) Payment : 30% advance with Work order, 40% at the time of Delivery and 30% after installation.
- 10) VAT & Tax : No VAT is to be deducted from CWPL bill. CWPL are manufacturer and they will pay VAT before delivery of their supplied items. Original Mushak Challan will be provided at the time of delivery. AIT is excluding .
- 11) CWPL will be provided an Experienced Engineer at project site at the time of Installation
- 12) Technical specification as quoted.

Engr. Munir Uddin Ahmed
Managing Director



Ref : CWPL/SS/GSH/24052021
Dated: 24.05.2021

To
Managing Director
Stardelta Engineering

FINANCIAL OFFER

Sub : Offer for supply, installation, testing & commissioning of 1X 800KVA 11/.415KV Sub-Station.

SL #	Descriptions	Qty	Unit	Unit price in Taka	Total price in Taka
1	ATS	1	Set	2,096,862.61	2,096,862.61
2	600KVAR PFI PLANT	1	Set	530,000.00	530,000.00
3	Delivery & Installation	1	Job	34,091	34,091
Grand Total Price in Taka Excluding VAT					2,660,954
Special Discount					60,954
Grand Total Price in Taka Excluding VAT					2,600,000.00

Terms & Conditions :

- Validity : Our offer will remain valid for a period of 40 days from the date of this offer.
- Delivery : Within 90 days after receipt of confirmed order & payment as per clause # 3.
- Payment : 50% as advance along with order & remaining
40% before delivery at the site.
10% after commissioning
- Warranty : One year after commissioning or one & half year from the date of delivery which come earlier.

Thanking you.

Cross-World Power Limited
Md. Didar Hossain
Engineer, Project, Sales
Mobile-01708483861

Tanmoy sarkar
Engineer, Project, Sales
Mobile-01708483862





TECHNICAL SPECIFICATION :

1 MAIN LT SWITCHGEAR

Set

1

Sheet steel clad powder coated (14 & 16SWG), dust and vermin proof, free standing, floor mounting, 415V, 50 Hz, Indoor type LT Switchgear Panel with 2000A Hard Drawn Copper Busbar.

Set of components required for the manufacture of LT Panel comprising :-

INCOMING:

1600A, 66KA, 4P withdrawable type ACB with closing solenoid and store - energy spring charged operating mechanism and solid state microprocessor controlled adjustable thermal overload and short-circuit releases with following accessories:

1 X Auxilliary Contact	Pcs	1
1 X Closing Coil		
1 X Gear motor for spring charge		
1 X Under Voltage Release(From Transformer)		
1600/5A Current Transformer 10/5VA, Class-1.	Pcs	6
Digital Multifunction Meter	Pcs	1
kWh meter	Pcs	1
ON , OFF, TRIP Lamp.	Pcs	3
ON, OFF , PUSH BUTTON.	Pcs	2
Phase indicating Lamp	Pcs	3
1x6A,TP MCB for the protection of control circuit	Pcs	1
1x2A,SP MCB for the protection of control circuit	Pcs	3
Earth Leakage Relay with CBCT, 1-8A, Flush mounting Aux supply 230v	Pcs	1
8 Window annunciator 24V DC supply	Pcs	1
Surge protection device	Pcs	1
1000A, 66KA, 4P withdrawable type ACB with closing solenoid and store - energy spring charged operating mechanism and solid state microprocessor controlled adjustable thermal overload and short-circuit releases with following accessories:	Pcs	1
1 X Auxilliary Contact		
1 X Closing Coil		
1 X Gear motor for spring charge		
1 X Under Voltage Release(From DG)		
1000/5A Current Transformer 10/5VA, Class-1.	Pcs	6
Digital Multifunction Meter	Pcs	1
kWh meter	Pcs	1
ON , OFF, TRIP Lamp.	Pcs	3
ON, OFF , PUSH BUTTON.	Pcs	2
Phase indicating Lamp	Pcs	3
1x6A,TP MCB for the protection of control circuit	Pcs	1
1x2A,SP MCB for the protection of control circuit	Pcs	3
Battery charger 10A 230VAC I/p & 24v DC O/p	Pcs	1
Earth Leakage Relay with CBCT, 1-8A, Flush mounting Aux supply 230v	Pcs	1
8 Window annunciator 24V DC supply	Pcs	1
Surge protection device	Pcs	1
Electrical Interlock	Set	1



Plot 1/B, Road 90, Gulshan 2, Dhaka 1212, Bangladesh

(8802) 8811858, 8816528, 9891442; Fax: (8802) 8816205; E-mail: info@cross-world.com

**OUTGOING:**

400A,TP,36KA,415V,50Hz, MCCB having adjustable overcurrent & magnetic short circuit protection. For Floor MDB 12Nos 1 Nos for Spare

Pcs 13

1000A,TP,50 KA,415V,50Hz, MCCB having adjustable overcurrent & magnetic short circuit protection. For PFI

Pcs 1

320A,TP, 36 KA,415V,50Hz, MCCB having adjustable overcurrent & magnetic short circuit protection. For Fair Pump

Pcs 1

200A,TP, 36 KA,415V,50Hz, MCCB having adjustable overcurrent & magnetic short circuit protection. For Compresor

Pcs 1

50A,TP, 18 KA,415V,50Hz, MCCB having adjustable overcurrent & magnetic short circuit protection. For Boiler

Pcs 1

32A,TP, 18 KA,415V,50Hz, MCCB having adjustable overcurrent & magnetic short circuit protection. For Space

Pcs 2

BUSBAR Details

2000A TPN Common Busbar

1000 E Earthing Busbar

1x1600A TP Terminal Busbar

2x1000A TP Terminal Busbar

13x400A TP Terminal Busbar

1x320A TP Terminal Busbar

1x200A TP Terminal Busbar

Enclosure As Standard

General Accessories

BRAND

Breaker: ABB, ITALY



**2 600 KVAR AUTO/MANUAL PFI PLANT****Set****1**

Sheet steel clad powder coated (14 & 16SWG), dust and vermin proof, free standing, floor mounting, 415V, 50 Hz, Indoor type PFI Panel.

Set of components required for the manufacture of PFI Panel comprising :-

The panel comprising of :

Capacitor Bank:**Set****1**

3x100(25X4)kVAR, 415V, 50 Hz, 3 Phase, normal duty type, self healing compact PF capacitors bank with discharge resistor.

Nos.

12

4X50(25X2)kVAR, 415V, 50 Hz, 3 Phase, normal duty type, self healing compact PF capacitors bank with discharge resistor.

Nos.

8

3X25 KVAR, 415V, 50 Hz, 3 Phase, dry type, self healing compact PF capacitors bank with discharge resistor.

Nos

3

1X12.5 KVAR, 415V, 50 Hz, 3 Phase, dry type, self healing compact PF capacitors bank with discharge resistor.

Nos

1

1X7.5(1X5+1x2.5)KVAR, 415V, 50 Hz, 3 Phase, dry type, self healing compact PF capacitors bank with discharge resistor.

Nos

1

1X5KVAR, 415V, 50 Hz, 3 Phase, dry type, self healing compact PF capacitors bank with discharge resistor. (Fixed)

Nos

1

Magnetic Contactor:**Set****1**

100A ,AC3 Magnetic Contactor

Nos

10

65A,AC3,Magnetic Contactor

Nos

3

32A , AC3,Magnetic Contactor

Nos

1

12A & 9A , AC3,Magnetic Contactor for 5 & 2.5 Kvar capacitor

Nos

2

Circuit Breaker**Set****1**

100A,TP, MCCB

Nos

10

63A,TP, MCCB

Nos

3

32A,TP, MCB

Nos

1

16A,TP, MCB

Nos

2

10A,TP, MCB

Nos

1

Others**Set****1**

Indicating lamp

Nos

12

Auto/manual selector switch with adder block.

Nos

1

10A TP MCB

Nos

1

2A SP MCB

Nos

12

1500A TP Common Busbar

Enclosure As Standard.

Accessories

12 Steps reactive power regulator which performs the switching of capacitor bank in automatic power factor correction equipments depending on charges of reactive power complete with p.f.luminescent indicators & digital power factor meter

Set

1

Brand

Capacitor Bank

: AENER, EU

Magnetic Contactor

: DONGA ,KOREA

Circuit Breaker Brand

: ABB,Italy

12 Steps reactive power regulator

: MIKRO, Malaysia



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