

Ref: OD/PB/WO/US/2020/10

Date: JULY 19, 2020

PIP Reference: NA PIP Date: NA

CS Status: Approved PIP Status: NA

Reference: Cross World CWPL/MCP/UTX/14072020

M/S. Cross-world Power Limited Plot 1/B, Road 90 Gulshan 2, Dhaka 1212

Contact Person: Md. Mosiur, Manager

Phone: +88 01755 514703 Email: moshiur@cross-world.com

Subject: <u>Work Order for Supply, Installation, Testing & Commissioning of Complete</u>
Generator auxiliary panel.

Dear Concern,

With reference to your offer and subsequent negotiation & discussion with you, we are pleased to issue work order in favor of you to carry out the following works under the term & condition listed below.

M/S Cross-world Power Limited to be read as "Contractor" & Unitex Spinning Limited to be read as "Owner".

#### **Terms & Conditions:**

- That contractor has agreed to carry out all the works at mutually agreed rate as mentioned in Annexure – 1.
- Unitex shall monitor the progress of work and depending on it the work quantity mentioned in the work order may increase or decrease.
- 3. That contractor has visited the site and got acquainted with the site constraints and satisfied of the appropriate technology to be adopted in the prevailing situations.
- 4. That all equipment's or materials when brought to site by contractor shall be deemed to be exclusively intended for the work and shall not be removed or taken out of site without written consent of the Owner authority.
- 5. That safety of Contractor worker during execution is entirely contractor's responsibility. Contractor agrees to take adequate measures against damage, injuries and/or deaths of contractor workers at site and appropriate measures for the same and remain bound to compensate for such occurrence.

a) in

Head Office:

C & F Tower (12th Floor), 1712, Sk. Mujib Road, Agrabad C/A, Chittagong Tel: 031-2519861-3, Fax: 031-2519860 **Dhaka Corporate Office:** 

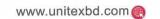
Saiham Tower (10th floor), House-34, Road-136, Block-SE(C-1), Gulshan Model Town, Gulshan-1, Dhaka-1212
Tel: 02-9858386, 02-9858389

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Factory:

Banshbaria, Sitakund, Chittagong, Bangladesh





- Contractor shall bear total responsibility of taking precautionary measures for protection of property 6. of the company. Any Damage done by contractor or contractor's employee to equipment during execution of the job under this assignment must be rectified at contractor expense and disruption of project work caused by such damage shall be adequately compensated by contractor.
- Contractor must maintain strict checks against theft, pilferage, mishandling of materials supplied free of cost by the company. Cost of material consumed in wasteful manner without any justifiable reason shall be recovered from contractor.
- All staffs and laborers of contractor engaged in the work shall have to pass through owner's security 8. check and strictly adhere to the rules, regulations and discipline as demanded by owner's security office.
- Contractor is ready to accept any assignment related to the work under this order or leading to under this work order at a rate which shall be mutually decided as and when such works are identified.
- Log sheet must be maintained for each day by the contractor's supervisor. 10.
- Experienced Project Engineer need to be deployed to complete the whole job. 11.

### Scope of Works:

- All the design drawing should be duly approved by Unitex. 3rd party inspection will be on Unitex 01. Scope. Contractor has to comply all the requirements of 3<sup>rd</sup> party inspector.
- Total works to be completed within 15th August 2020. 02.
- Contractor has to appoint experienced site engineers as many as required who will coordinate the 03. works. Engineer from owner's side shall check the work progress, but this will not relieve the contractor of their responsibility.
- Power/Electricity & Water will supply by Unitex and contractor need to use suitable approved 04. service cable and pipe for the utility use as per direction of Engineer In Charge.
- All materials brought to the site will be unloaded by contractor at their own costs and expenses. The contractor will load and unload all such materials inside the premises and will not raise any carrying bills.
- All the package shall be opened in front of owners personal along with contractor site engineer. 06.
- Owner will have the right to reject any out of specification works. 07.
- The Contractor shall pay liquidated damages to the Employer at the rate of 0.1% (zero point one percent) of the contract price per day of delay from the Completion Date up to a maximum of 20% (twenty percent) of the contract price. Force majeure conditions for delay will be recorded and considered in calculating compensation.
- Contractor must clean the project site as a part of De-mobilization, as per site engineer instruction. 09.
- Contractor will have supervisors to cover 24 hours works. 10.
- The contractor has to accept any assignment related to the work order but rate which is not included 11. in price schedule, shall be mutually decided as and when such works are identified.

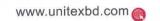
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One year warranty will be applicable for all the supplied items from the date of commissioning.

## Payment Terms:

01. 100% LC at site (USD equivalent)

Total estimated value of work order -----

SI.	Details	Amount	
1	Supply, Installation, Testing & Commissioning of Complete Generator auxiliary panel.	BDT 9,00,000.00	
	Total	BDT 9,00,000.00	
In V	Vords: Nine Hundred Thousand Only.	22 , 3,33,33	

We assure you of our best co- operation in successful completion of works. Please sign a copy of this Work Order and return to us a confirmation of your acceptance of the Work Order and Terms of the contract.

For Unitex Spinning Limited.

For Cross World Power Ltd

Mr. Zobaidul Islam Chowdhury

Operation Director,

Unitex Group

Mr. Mosiur Rahman

Manager,

Cross World Power Ltd

Witness:

Witness:

Mr. Pranoy Barua

Project Manager, Unitex Steel

Cross World Power Ltd



www.unitexbd.com

### Copy to:

- 1. Managing Director, Unitex Spinning Limited
- 2. Operation Director, Unitex Group
- 3. Director, Unitex Spinning Limited
- 4. CFO, Unitex Spinning Limited
- 5. Engineering Department, Unitex Spinning Limited
- 6. Accounts, Unitex Spinning Limited
- 7. Cross World Power Limited
- 8. Record File



#### TECHNICAL SPECIFICATION

01)

GENERATOR AUXILIARY PANEL -DB	Set	1
Sheet steel clad powder coated (14 & 16SWG), dust and vermin proof, free standing, floor mounting, 415V, 50 Hz, Indoor type Panel with 800A Hard Drawn Copper Busbar.		
Set of components required for the manufacture of Panel comprising :-		
INCOMING:		
800A,TP,36KA,415V,50Hz, MCCB with having adjustable overcurrent & magnetic short circuit protection. Brand: SHIHLIN, TAIWAN	Pcs	1
800/SA Current Transformer 10/SVA, Class-1 MFM Brand: Schneider/Equivalent Phase Indication lamp 1x6A,TP MCB for the protection of control circuit 1x2A,SP MCB for the protection of control circuit	Pcs Pcs Pcs Pcs Pcs	3 1 3 1 3
OUTGOING:		
GEN-01		
FOR 22KW Raw Water Pump (Star Delta):	Set	2
36-45A MPCB	Pcs	2
Origin: SCHNEIDER	res	•
50A, MC, AC-3, 2NO + 2NC SHIHLIN, TAIWAN 40A, MC, AC-3, 2NO + 2NC SHIHLIN, TAIWAN Overload Relay (18-25A) SHIHLIN, TAIWAN	Pcs Pcs Pcs	4 2 2 4
Push Button ON/OFF Auto/manual selector switch	Pcs Pcs	2
Indication Lamp ON, OFF, TRIP Timer with base	Pcs Pcs	6 2
10A,DP MCB	Pcs	2
FOR 7.5KW Exhaust Room Fan (Delta) :	Set	2
10-16A MPCB Origin: SCHNEIDER	Pcs	2
25A, MC, AC-3 SHIHLIN, TAIWAN	Pcs	2
Overload Relay (10-14A) SHIHLIN, TAIWAN Push Button ON/OFF	Pcs Pcs	2
Auto/manual selector switch	Pcs	2
Indication Lamp ON, OFF, TRIP 10A,DP MCB SHIHLIN, TAIWAN	Pcs Pcs	6 2
	Set	1
FOR 7KW Cooling Tower Motor (Delta):		
10-16A MPCB Origin: SCHNEIDER	Pcs	1
25A, MC, AC-3 SHIHLIN, TAIWAN	Pcs	1
Overload Relay (10-14A) SHIHLIN, TAIWAN	Pcs	1
Push Button ON/OFF	Pcs	2
Auto/manual selector switch	Pcs	1
Indication Lamp ON, OFF, TRIP 10A,DP MCB	Pcs Pcs	3
FOR 11KW Blower Fan-V Fan (Star Delta):	Set	2
Origin: SCHNEIDER (6-20)A-	Pcs	2
32A, MC, AC-3 , 2NO + 2NC SHIHLIN, TAIWAN	Pcs	4
25A, MC, AC-3, 2NO + 2NC SHIHLIN, TAIWAN	Pcs	2
Overload Relay (10-14A) SHIHLIN, TAIWAN	Pcs	2
Push Button ON/OFF	Pcs	4
Auto/manual selector switch	Pcs	4 2 6
Indication Lamp ON, OFF, TRIP Timer with base	Pcs	2
10A,DP MCB SHIHLIN, TAIWAN	Pcs	2
LESIMEN CARROL CONTROL (TOTAL)	2025	2

SA Prof

Malo Zpvo



FOR 8KW A/C Pump (Delta) :	Set	1
Origin: SCHNEIDER (3-20) 4 -	Pcs	1
25A, MC, AC-3 SHIHLIN, TAIWAN		
Overload Relay (10-14A) SHIHLIN, TAIWAN	Pcs	1
Push Button ON/OFF	Pcs	1
Auto/manual selector switch	Pcs	2
Indication Lamp ON, OFF, TRIP	Pcs	1
10A, DP MCB SHIHLIN, TAIWAN	Pcs	3
	Pcs	1
FOR 22KW J/W Pump (Star Delta) :	Set	1
36-45A MPCB	Per-	
Origin: SCHNEIDER	Pcs	1
50A, MC, AC-3, 2NO + 2NC SHIHLIN, TAIWAN	Pcs	
40A, MC, AC-3, 2NO + 2NC SHIHI IN TAILUAN	PCS	2
Overload Relay (22-32A) SHIHLIN, TAIWAN	PCS	1
Push Button ON/OFF	Pcs	2
Auto/manual selector switch	Pcs	1
Indication Lamp ON, OFF, TRIP	Pcs	3
Timer with base	Pcs	1
10A, DP MCB SHIHLIN, TAIWAN	Pcs	î
FOR Fume Filter Motor : 2.5-4A MPCB		·
Brand: SCHNEIDER	Pcs	1
FOR Control Panel Supply :		
20A,6KA, DP, MCB		
Brand: SHIHLIN, TAIWAN	Pcs	1
FOR Alt SP Heater :		
10A,6KA, DP, MCB	Des	
Brand: SHIHLIN, TAIWAN	Pcs	1
FOR Pre Lube Pump :		
GA, GKA, DP, MCB	Pcs	1
Brand: SHIHLIN, TAIWAN	rcs	1
FOR J/W Heater Pump :		
6A,6KA, DP, MCB	Den	
Brand: SHIHLIN, TAIWAN	Pcs	1
FOR J/W Heater :		
63A,6KA, DP, MCB	Pcs	1
Brand: SHIHLIN, TAIWAN		•
Spare		
32A,6KA, TP, MCB	Pcs	2
Brand: SHIHLIN, TAIWAN		
Spare		
32A,6KA, SP, MCB	Pcs	1
Brand: SHIHLIN, TAIWAN	7.53	
GEN 02		
FOR 22KW Raw Water Pump (Star Delta) :	Set	2
		-
36-45A MPCB Origin: SCHNEIDER	Pcs	2
50A, MC, AC-3 , 2NO + 2NC SHIHLIN, TAIWAN	Pcs	4
40A, MC, AC-3, 2NO + 2NC SHIHLIN, TAIWAN	Pcs	2
Overload Relay (22-32A) SHIHLIN, TAIWAN	Pcs	2
Push Button ON/OFF	Pcs	4
Auto/manual selector switch	Pcs	2
Indication Lamp ON, OFF, TRIP	Pcs	6
Timer with base	Pcs	2 4 2 6 2
10A,DP MCB	Pcs	2

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FOR 7.5KW Exhaust Room Fan (Delta) :	Set	2
10-16A MPCB Origin: SCHNEIDER	Pcs	2
AC AC ACCIONANTALWAN	Pcs	2
25A, MC, AC-3 SHIHLIN, TAIWAN	Pcs	2
Overload Relay (10-14A) SHIHLIN, TAIWAN	Pcs	4
Push Button ON/OFF	PCS	2
Auto/manual selector switch	PCS	6
Indication Lamp ON, OFF, TRIP 10A,DP MCB SHIHLIN, TAIWAN	Pcs	2
FOR 7KW Cooling Tower Motor (Delta):	Set	1
	Pcs	1
10-16A MPCB Origin: SCHNEIDER		
25A, MC, AC-3 SHIHLIN, TAIWAN	Pcs	1
Overload Relay (10-14A) SHIHLIN, TAIWAN	Pcs	1
Push Button ON/OFF	Pcs	2
Auto/manual selector switch	Pcs	1
Indication Lamp ON, OFF, TRIP	Pcs	3
10A, DP MCB SHIHLIN, TAIWAN	Pcs	1
FOR 11KW Blower Fan (Star Delta) :	Set	2
CL. a-1 1 Nimer.		-
Origin: SCHNEIDER (16-20) A MOSS.	Pcs	2
32A, MC, AC-3, 2NO + 2NC SHIHLIN, TAIWAN	Pcs	4
25A, MC, AC-3, 2NO + 2NC SHIHLIN, TAIWAN	Pcs	2
Overload Relay (10-14A) SHIHLIN, TAIWAN	Pcs	2
Push Button ON/OFF	Pcs	4
Auto/manual selector switch	Pcs	2
Indication Lamp ON, OFF, TRIP	Pcs	6
Timer with base	Pcs	2
10A,DP MCB	Pcs	2
	X (11/25)	1
FOR SKW A/C Pump (Delta) :	Set	_
16-20A MPCB	Pcs	1
Origin: SCHNEIDER		
25A, MC, AC-3 SHIHLIN, TAIWAN	Pcs	1
Overload Relay (10-14A) SHIHLIN, TAIWAN	Pcs	1
Push Button ON/OFF	Pcs	2
Auto/manual selector switch	Pcs	1
Indication Lamp ON, OFF, TRIP	Pcs	3
10A,DP MCB SHIHLIN, TAIWAN	Pcs	1
FOR 22KW J/W Pump (Star Delta) :	Set	1
36-45A MPCB	Pcs	1
Origin: SCHNEIDER		
50A, MC, AC-3, 2NO + 2NC SHIHLIN, TAIWAN	Pcs	2
40A. MC. AC-3, 2NO + 2NC SHIHLIN, TAIWAN	Pcs	1
Overload Relay (22-32A) SHIHLIN, TAIWAN	Pcs	1
Push Button ON/OFF	Pcs	2
Auto/manual selector switch	Pcs	1
Indication Lamp ON, OFF, TRIP	Pcs	3
Timer with base	Pcs	1
10A, DP MCB SHIHLIN, TAIWAN	Pcs	1
STREET STATE OF STREET STATE S		

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FOR Fume Filter Motor :		4
2.5-4A MPCB		
Brand: SCHNEIDER	Pcs	
Didna Schitcher	FLS	1
FOR Control Panel Supply ;		
20A,6KA, DP, MCB		
Brand: SHIHLIN, TAIWAN	Pcs	1
FOR Alt SP Heater :		
10A,6KA, DP, MCB		
Brand: SHIHLIN, TAIWAN	Pcs	1
FOR Pre Lube Pump :		
6A,6KA, DP, MCB		
Brand: SHIHLIN, TAIWAN	Pcs	1
FOR J/W Heater Pump ;		
6A,6KA, DP, MCB		
Brand: SHIHLIN, TAIWAN	Pcs	1
FOR J/W Heater :		
63A,6KA, DP, MCB		
Brand: Sutul Tal Tarina	Pcs	1
Brand: SHIHLIN, TAIWAN	103	*
Spare		
32A,6KA, TP, MCB		
Brand: SHIHLIN, TAIWAN	Pcs	2
TALVAN	150,000	-
Spare		
32A,6KA, SP, MCB		
Brand: SHIHLIN, TAIWAN	Pcs	1
GEN 03		
FOR 15KW Raw Water Pump (Star Delta) :		
	Set	1
28-40A MPCB		9
Origin: SCHNEIDER	Pcs	1
101 115 15 1		
40A, MC, AC-3 , 2NO + 2NC SHIHLIN, TAIWAN	Pcs	2
32A, MC, AC-3, 2NO + 2NC SHIHI IN TATWAN	Pcs	2
Overload Relay (13-19A) SHIHLIN, TAIWAN	Pcs	1
Push Button ON/OFF	Pcs	2
Auto/manual selector switch Indication Lamp ON, OFF, TRIP	Pcs	ĩ
Timer with base	Pcs	3
10A,DP MCB SHIHLIN, TAIWAN	Pcs	1
The second secon	Pcs	1
FOR 7.5KW Blower Fan (Delta):		
	Set	1
10-16A MPCB		2
Origin: SCHNEIDER	Pcs	1
25A, MC, AC-3 SHIHLIN, TAIWAN	Pcs	1
Overload Relay (10-14A) SHIHLIN, TAIWAN	Pcs	i
Push Button ON/OFF	Pcs	2
Auto/manual selector switch	Pcs	1
Indication Lamp ON, OFF, TRIP	Pcs	3
10A,DP MCB SHIHLIN, TAIWAN	Pcs	1
FOR 5.5KW Blower Fan (Delta) :		
	Set	1
10-16A MPCB (9-12)		
Origin: SCHNEIDER	Pcs	1
25A, MC, AC-3 SHIHLIN, TAIWAN		
Overload Relay (10-14A) SHIHLIN, TAIWAN	Pcs	1
Push Button ON/OFF	Pcs	1
Auto/manual selector switch	Pcs	2
Indication Lamp ON, OFF, TRIP	Pcs	1
10A, DP MCB SHIHLIN, TAIWAN	Pcs	3
	Pcs	1
BUSBAR Details		1
800A TPN + 1/2E Common Busbar		
		1 12
ENCLOSURE As Standard.		11 /12
6		1111
Connection Accessories .	/	//
- 1/	/	1