

20th April 2019

To

Mr. Raziur Rahman Chowdhury
Chairman

Cross world Ltd.

House no 1/B, Road-90, Gulshan -2, Dhaka-1212.

Tel: 025881158,

Attention: Arunangshu Paul & Sultan (cell- 01755514747, 01755514792)

Project Name: SAYEED KHOKON'S AUTOGRAPH, BANANI, DHAKA

Sub: WORK ORDER FOR SUPPLY, INSTALLATION, TESTING, COMMISSIONING, LOADING UNLOADING INCLUDING ROOM CANOPY, LOCAL ATS, SUPPLY INSTALLATION OF ELECTRIC & MECHANICAL SYSTEM COMBINATION POWER UNIT AND FUEL FILLING SYSTEM OF 2x 1000 KVA AND 1X 400 KVA WITH PERKINS ENGINE WITH PLANT MOUNTED SYNCHRONIZING PANNEL WITH 1700 LTR TANK FOR SAYEED KHOKON'S AUTOGRAPH, AT 67 & 68 KEMAL ATTATURK AVENUE, BANANI, DHAKA.

With reference to your revised quotation no: **CWPL-AM/3573/18-R03F**, Dated: **April 17, 2019** and subsequent discussion concerning the subject mentioned above the management of **Sayed Khokon Properties Ltd** is pleased to award the contract in favor of your company for the above mentioned work under the following terms and condition:

A. Terms and conditions:

1. The contract covers the work for designing, shop drawing in relevant to latest architectural drawing supply, installation, testing and commissioning of above mention work as per Drawing and Specification and to complete the job by supplying all materials (Local & imported items), labour, and others service required for Sayeed Khokon's Autograph project at plot no- 67 & 68, kemal Ataturk Avenue, Banani, Dhaka-1213.
2. The supplier shall give Proforma Invoice (PI) within one week of receiving the work order for the import items for which SKPL will open Letter of credit (L/C) in ~~USD~~ GBP. The price of L/C would be adjusted with the approved total price.
3. The specification of supplied Materials should be as per specification mentioned in the BOQ provided by the consultant and approved by the Management of SKPL. No variation on specification and quality of the materials would be accepted.
4. Work shall be done as per the design, drawing and specification supplied by the Consultant/SKPL group and direction of Consultant/Project in Charge.
5. Warranty: 2 years or 3000 hours from the date of delivery which come
6. After warranty period 06 months free maintenance will be done by Cross world Ltd.
7. Proper safety measures have to be taken during erection by the contractor. All sorts of precautionary measures have to be taken by Cross world Ltd to avoid any damage of tiles, glass, work station etc of the floor and any sort of accident/incident.

Received
Arunangshu Paul
24/4/19

Sayed Khokon Properties Ltd. (a concern of 3A Group)

Corporate Office: House 76/C, Block E, Road 11, Banani, Dhaka 1213

Tel: +88 02 9862186, 9894098 Fax: +88 02 9888255 Email: skpl@3agroupbd.com

8. Hot work policy of the project must be followed as per standard rule given relevant authority.
9. Contractor will make their own arrangement for the safety, security of their equipment, materials and manpower.
10. All incidental expenses are to be borne by Cross world ltd. SKPL will not pay any compensation to the workers of the contractor either injured or dead during execution of work for negligence or accidents.

B. Work Schedule:

The total work to be completed within **02 months** from the date of issuing this work order in the following manner. In addition a work schedule to be prepared and submitted to SKPL accordingly.

C. Full Penalty may be imposed:

- a) If supplied materials found different from approved BOQ's and Technical specification.
 - b) Not maintaining quality of the work.
 - c) Inadequate safety measures taken.
 - d) Any damage/loss or delay in completion of the work.
1. The vendor shall employ at least 01 graduate engineer having minimum 05 years of experience on Diesel Generator installation work.
 2. An amount of **Tk. 5,000/- (Five Thousand Taka)** per day may be imposed/deducted for any delay beyond the time frame mentioned at Para B above.
 3. It may be mentioned here that any delay from the client's end for any decision, Procurement and supply, Cross World will not be held responsible or will not be penalized.
 4. SKPL will provide Electricity for Machine/tools to be used /needed for erection.
 5. Any accident/incident during erection is contractor's liability.
 6. No Child labor in respect of labor law of Bangladesh is allowed at site.
 7. Others terms and conditions shall remain same as per your submitted quotation.

D. Schedule of Material and Costs (Imported Items in GBP)

SL No.	DESCRIPTION	Unit	AMOUNT (GBP)	AMOUNT (BDT)
A	Tempest brand 1000 KVA (prime) rating diesel generator with perkins engine and Stamford alternator, plant mounted synchronizing panel with 1700 ltr tank.	02	82000.00	164,000.00

for 24.04.13

B	Tempest brand 400 KVA (prime) rating diesel generator with perkins engine and Stamford alternator, plant mounted synchronizing panel with built-in fuel tank.	01	28,000.00	28,000.00
	Total Price CFR Chattogram against imported part			192,000.00
	GRAND TOTAL IN GBP			192,000.00

Note:

This total offer includes PSI of 2 Persons (Includes 2 persons Economy Class Plane Fare, 2 days hotel accommodation & transportation from London to HULL & Return).

- Loading – Unloading, transportation from Ctg port to Dhaka site (C&F cost will be in client scope)

E. Schedule of Material and Costs (Local Items in BDT.)

SL. No.	DESCRIPTION	Unit	AMOUNT (BDT)	AMOUNT (BDT)
1	Room canopy	01 Set	3,563,060.00	3,563,060.00
2	Local Auto Transfer Switch (as per attached BOQ)	01 pcs	1,579,130.00	1,579,130.00
3	Supply & installation of electric system (as per attached BOQ)	01 Set	1,277,187.00	1,277,187.00
4	Supply installation of mechanical system (as per attached BOQ)	01 Set	2,693,810.00	2,693,810.00
5	Combination Power Unit (as per attached BOQ)	01 Set	975,345.00	975,345.00
6	Fuel tank & fuel filling system (as per attached BOQ)	01 Set	1,11,468.00	1,11,468.00
	Total Cost in BDT against local part			1,02,00000.00
	GRAND TOTAL IN BDT			1,02,00000.00

F. Mode of Payment:

- For Import items payment will be given thorough LC in GBP as per LC terms and condition.
- Mobilization advance: Shall be 30% of the local contract amount along with work order.
- 40% payment will be paid as running bill depending on progress of work.
- 30% payment will be paid after commissioning and successfully handover.

*** SKPL reserves the right for cancellation of this work order in case of non adherence of any clause as written above.

24.04.13

**** If the Contractor needs to supply any other materials not specified here, they will have to get approval of specification/s and quantity of that material/s by the Client before supplying to the site. Any additional material or work not mentioned in the agreement if so required for the purpose of completing the scope of work will be initially approved by the Consultant and finally by the Client.

G. Pipeline Installation, Testing & Commissioning:

- a) Pipes are to be hung from the hangers (both horizontal and vertical) with due approval from consultant.
- b) The welding process has to be approved along with the right electrode from consultant.

H. Works open to inspection:

All works under the contract shall at all times be open to inspection and supervision of the consultant and the contractor shall ensure presence of his representatives at such inspection provided proper advance notice is given by the engineer.

I. Test:

Contractor shall perform all type test widely related to construction work at his own cost instructed by consultant / client as required.

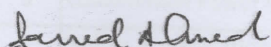
J. Commencement of Work:

- a) Contractor shall commence the work within the number of days stated in the clause B.
- b) Contractor shall furnish a weekly target plan to ensure smooth progress and submit to the consultant earlier
- c) Coordination meeting at least once in a half month will be held at project site office to review progress and to discuss related issue etc.

Sincerely yours,


For Sayeed Khokon Properties Ltd.

Accepted and Signed



Javed Ahmed

Deputy Managing Director


Mr. Raziur Rahman Chowdhury

Chairman

Copy to: 1) Managing Director (For Kind information)

- 2) Work order file.
- 3) Project Office
- 4) Accounts dept
- 5) Consultant

Bill of Quantities for Diesel Generator Power System					
Project: Sayeed Khokon's Autograph				Date: 22 Nov, 2018	
SL NO	DESCRIPTION OF ITEMS	QTY	UNIT	UNIT PRICE (BDT)	TOTAL PRICE (BDT)
1	DIESEL GENERATOR				
	Supply & installation of 400 Volt 3-phase, 50-Hz floor mounted indoor type diesel generating set with 8 hours built in fuel tank, built-in synchronized among 03 nos set and suitable for tropicalised country like Bangladesh. BMS integration (MODBUS or BACNet) for both monitoring & control by BMS. Connection point must be provided by the Vendor to the BMS vendor for full integration (Manufactured in USA/EU/JAPAN or approved equivalent in accordance with NEMA/IEC/VDE/JIS standards etc. all complete in all respect as per direction of the Design Consultant.				
	a) 1000 KVA (prime) Diesel Generator	2	set		
	b) 400 KVA (prime) Diesel Generator	1	set		
2	Auto Transfer Panel (ATS)	1	set		
	Supply & installation of 3200A ATS Panel (3 chambers) with 03 nos ACB (02 incoming from X-former & DG Feed Unit Panel and 01 outgoing to LT Panel) with all other necessary accessories including voltmeter, selector switch, indicating lamp etc. Incoming & outgoing will be done by BBT by substation vendor.				
3	Combination Power Unit	1	set		
	Supply & installation of Feed Unit Panel (2 chambers) with indicating lamps, CU-Bus Bars (TPN+E) for incoming power from 03 nos DG set and outgoing power through Bus bar Trunking.				
	Incoming: 02 x 1600A TP MCCB 01 x 630A TP MCCB				
	Outgoing: 01 x 3200A TP MCCB 01 x 630A TP MCCB				



Bill of Quantities for Diesel Generator Power System

Project: Sayeed Khokon's Autograph

Date: 22 Nov, 2018

SL NO	DESCRIPTION OF ITEMS	QTY	UNIT	UNIT PRICE (BDT)	TOTAL PRICE (BDT)
4	Supply & installation of Electrical System (Cables & others) Cable sizes will be as per standard and cables must be lay with standard cable tray with proper dressing; route of cables must be as per consultant's guideline; all accessories must be included for cabling or cable tray installation works. Cable Brand: BRB/Super-sign				
a)	Power Cable (DG Set to Feed Unit Panel)				
	1c x 240rm NYY FR	180	Meter		
	1c x 150rm NYY FR	120	Meter		
	1c x 120rm NYY FR	135	Meter		
b)	Communication/Control Cable	1	Lot		
c)	Earthing Bar (CU) L 250mm x W 50mm- 10mm thickness; Installed at wall with rubber bush, Rowl Bolt, Nut, Washer; Cable connection with bar using Cable lux	4	set		
d)	Cable Tray: Construction Material- proper painted Galvanized sheet (with capsule hole, 4mm thick ; Threaded Stick MS/GI for Support with nut bolt.				
	Size: W X D - 600 mm X 50mm;	40	Meter		
	Size: W X D - 250 mm X 50mm;	20	Meter		
5	Supply & installation of Mechanical System (Pipe, Duct & others) Silencer exhaust will be taken to the roof through a metal box with 50mm thickness rockwool and aluminium jacketing; metal box will be flange type made of 14 gauge plain sheet; Exhaust pipe will dispartch smoke into the metal box, there will be muffler for sound reducing; Radiator exhaust will be dispartch through galvanized sheet duct with rockwool insulation and aluminium jacketing to the outside at ground floor level;				

Bill of Quantities for Diesel Generator Power System

Date: 22 Nov, 2018

Project: Sayeed Khokon's Autograph

SL NO	DESCRIPTION OF ITEMS	QTY	UNIT	UNIT PRICE (BDT)	TOTAL PRICE (BDT)
	Engine Exhaust Pipe (40 SCH MS) with RESIDENTIAL TYPE SILENCER (Rockwool insulation & sheet jacketing); 01 set residential type silencer for each DG set. Flange joint along with the DG set. Reducer, Elbow, etc. as required. Flexible Joint at each Silencer exhaust pipe. Horizontal & vertical length for each DG sets is around 100 meter from DG set to the riser.				
	a) for 2 x 1000 KVA	220	Meter		
	for 1 x 400 KVA	110	Meter		
	Radiator Exhaust: Each Generator radiator exhaust will be taken to GF outside, length for each DG is around 15 meter. Size of Radiator will be as per manufacturer standard.	480	SQM		
	b) Acoustic Radiator Chamber must be installed. Flexible connection must be install with DG radiator chamber.				
	c) Exhaust Louver (for 2 x 1000 KVA) Aluminium Z-louver @ retaining wall flash	2	Nos		
	d) Exhaust Louver (for 1 x 400 KVA) Aluminium Z-louver @ retaining wall flash	1	No		
6	Room Canopy with proper ventilation mechanism (to maintain 72 dB sound level at room outside) Sandwitch Brick wall (5 inch thk) with 3 inch cock sheet (density: 25kg/m3) and Rockwool with MS Angle frame backside adn perforatted GP sheet outside at ceiling and retaining wall side, Acoustic Louver panel for air inlet, Acoustic Fan for air supply, Acoustic Fans for room ecxhaust with DB panel, Acoustic Doors for entrance/exit, Acoustic panels at ceiling etc... DG Base, Canopy civil works will be done by the client.	1	lot		
7	Fuel Tank & Fuel Filling System				

Asstt

Bill of Quantities for Diesel Generator Power System					
Project: Sayeed Khokon's Autograph					Date: 22 Nov, 2018
SL NO	DESCRIPTION OF ITEMS	QTY	UNIT	UNIT PRICE (BDT)	TOTAL PRICE (BDT)
a)	Tank Capacity: 4,000 Litre Fuel tank must have inlet, outlet, valve control, level monitoring with scale, air vent etc. Two tanks will be merged & outlet will be through a common header to the DG sets. Tank Shape, size should be suitable as per room condition, space management. The tank will be placed inside the Generator room at 03 feet high from floor level (bottom of tank) to keep cleanout space of the tank. These tanks will be used as reserved for Diesel & will be filled from the filling point. Tanks should be 100% leak proof.	2	nos		
b)	Fuel pump	1	set		
c)	Fuel Meter	1	no.		
d)	Fuel Strainer	1	no.		
e)	Water Separator	1	no.		
f)	Fuel Filling Pipe & Fittings Ø25mm (inner), Schedule 40, Seamless MS Pipe; Elbow, Tee, Flange, Nut-bolt, Waher, Gasket, etc as required Welding Joint, leak testing, outside Red-oxide & Enamel Painted.	120	Meter		
g)	Ball Valve (Ø25mm)	12	Nos.		
Net Cost (BDT)					
AIT (BDT)					
Total Cost including AIT (BDT)					
In Words:					

Notes:

- 1 All accessories related to standard installation must be included
- 2 A-Meter, V-Meter, Selector Switch, Indicating Lamp etc. must be included at panels
- 3 Payment will be made based on actual quantity of supply and installation



PROJECT: REVISED & PROPOSED 13-STORIED + 01-STORED COMMERCIAL BUILDING (TYPE F1 & F2) FOR MOHAMMAD SAYEED, ON PLOT NO. 67 & 68, BLOCK B, ROAD NO. 21 & KEMAL ATATURK AVENUE, BANANI MODEL TOWN, BANANI, DHAKA.

OWNER (S): MOHAMMAD SAYEED, PLOT 67 & 68, BLOCK B, KEMAL ATATURK AVENUE, BANANI, DHAKA-1213.

DESIGN & CONSULTANT: VOLUMEZERO

PRINCIPAL ARCHITECT: MOHAMMAD FOYEZ ULLAH

SIGNATURE OF THE ARCHITECT: [Signature]

MOHAMMAD FOYEZ ULLAH
IAB REGD. No. U008

STRUCTURAL ENGINEER: [Signature]

MUHAMMAD SHEIK SADI
M.Eng. (Civil & Structural)
IAB REGD. No. U008

REVISIONS: DATE: 0.0, REMARK: 0.0

DRAWN BY: SHAKIL HOSSAIN KHAN

APPROVAL: DATE: 11th JUNE, 2017, SCALE: AS SHOWN

SHEET No. EE-01, PROJECT No. 11 09 20.73.125

VOLUMEZERO LIMITED • DESIGN CONSULTANTS • HOUSE 98 ROAD 25 BLOCK A BANANI DHAKA 1213 BANGLADESH • TEL (880-2) 9887053, 9887060 • 9887119, 9887205 FAX (880-2) 9887053

