



# BANGLADESH GARMENT MANUFACTURERS & EXPORTERS ASSOCIATION (BGMEA)

*"Leading Bangladesh to Prosperity"*

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Ref: BGA/C&M/2019/2291

Date: 04.03.2019

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

**Subject: Issuance of Work Order for Supply, installation, re-installation, testing & commissioning of 5150KVA Substation(2000 KVA new transformer + 3150KVA old transformer) and Supply, installation, re-installation, testing & commissioning of 6 (six) Generators( 2x800 (prime) new Diesel Generator +3x814KVA and 1x500 KVA (prime) old Diesel Generators) for (2B+13) storied BGMEA Complex at Uttara (Phase-III) ,Sector - 17,Dhaka.**

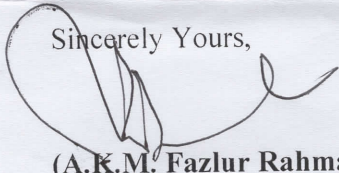
Dear Sir,

With reference to the above subject and your tender submitted on 14.01.2019 we are pleased to inform you that BGMEA management has finally accepted your tender at negotiated total price of Tk.13,01,91,000/-(Taka Thirteen crore one lac ninety one thousand only) which includes Tk7,87,01,000/-(Taka Seven crore eighty seven lac one thousand only) for Sub-station & Tk.5,14,90,000/-( Five crore fourteen lac ninety thousand only) for Generators . We are issuing this work order as per all terms and conditions of the Tender Document.

You are hereby requested to sign the contract agreement within 7(seven) days of receipt of this letter.


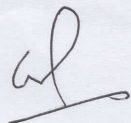
Thanking You,

Sincerely Yours,

  
(A.K.M. Fazlur Rahman)  
Secretary

Copy to:

- ✓1. The Designers.
- ✓2. Chief Accountant, Account Section, BGMEA
- ✓3. Additional Secretary (Admin), BGMEA
- 4. Office file



# Substation

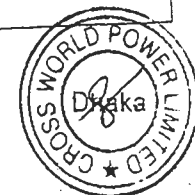
## Price Schedule for Goods and Related Services (Form PG-3A & 3B)



Installation, testing & commissioning of 2000KVA new Transformer, re-installation, testing & commissioning of 3150KVA old Transformer from existing BGMEA and supply, installation, testing and commissioning of other Equipment for 5150KVA (2000KVA + 3150KVA) Sub-Station and Busbar Trunking System for Proposed Substation at Uttara, Dhaka.

Price inclusive of VAT, Tax, profit, materials/equipment, installation, testing and commissioning including other charges like pre-shipment inspection as per technical specification and inland transportation, clearing, forwarding, custom duty, sales taxes, insurance etc.

Description of Items	Country of Origin	Unit of Measurement	Qty of units Required	Unit price	Total price	Point of Delivery	Delivery Period Offered (Note 1)
2	3	4	5	6	7=5*6	8	9
Supply, installation, testing and commissioning of indoor type 11KV, 50 Hz, 5KA (20 KA) dropout fuse complete with mounting accessories etc. (3 nos. in a set)	China/Bangladesh	Set	1	TK 5,300	TK 5,300	BGMEA COMPLEX, UTTARA, DHAKA.	With in 06 month from date of work order.
Rate in word: Taka Five thousand three hundred only							
Supply, installation, testing and commissioning of outdoor type 11 KV, 50 Hz, 300A, (20 KA), 75 KV BIL lightning arrester complete with mounting accessories etc. (3 nos. in a set).	China/Bangladesh	Set	1	TK 5,300	TK 5,300	Ditto	With in 06 month from date of work order.
Rate in word: Taka Five thousand three hundred only							
<b>11KV AUTOMATIC VOLTAGE REGULATOR</b> Supply, Installation, Testing & commissioning of type tested 328A (min.), 6.35KV, 3 nos. (1 set) of single phase, outdoor type Automatic Voltage Regulator (AVR) in sealed tank with the following data The AVR must comply with the latest requirements of BPDB. The work shall be completed with 11KV By-Pass switch including all necessary accessories to complete the installation. The work shall be completed as per technical specification and direction of the Engineer-in-charge.							







Description of Items	Country of Origin	Unit of Measurement	Qty of units Required	Unit price	Total price	Point of Delivery	Delivery Period Offered (Note 1)
2	3	4	5	6	7=5*6	8	9
Rated Current: 328A (min.) Rated Voltage: 6.35KV single phase/11KV three phase, 50 Hz. Voltage Regulation: $\pm 10\%$ in 32 steps or 5/8% each Complete with following spares for the above Regulation - 1 nos. Fuses - 2 nos. Position Indicator Glass - 6 nos. Oil sight glass	USA	Set	1	TK 6,580,000	TK 6,580,000	Ditto	within 06 months from date of work order.
Rate in word: Taka Sixty five Lac Eighty thousand only							
<b>HT. SWITCHGEAR</b> Supply, installation, testing and commissioning of type tested locally assembled confirming to IEC 298/894 high voltage switch gear (11KV) of sheet steel clad, dust and vermin proof, free standing, floor mounting indoor type, 11KV, 50Hz, 630A (min.), 350 MVA rated capacity. The switchgear shall be exclusive of withdrawable type Vacuum circuit breaker (VCB), CT, PT, relay, ammeter, voltmeter, energy meter, bus-bar, interlocked earth switch, internal wiring etc all equipment and accessories complete as per design, specification, standard, and instruction of Engineer-in-charge. Components of HT switchgear shall be Siemens/ABB/Areva/Merlin Gerin. The switchgear must comply with the requirement of the SA/DESCO and relevant local Authority.							



Description of Items	Country of Origin	Unit of Measurement	Qty of units Required	Unit price	Total price	Point of Delivery	Delivery Period Offered (Note 1)
2	3	4	5	6	7=5*6	8	9
<p><b>Feeding Feeder:</b></p> <p>1. 11KV, 50HZ, 20KA (1 sec), Earthing switch to be interlocked with the vacuum circuit breaker</p> <p>2. 330A, 11KV, 50HZ, 20KA (3 sec) triple pole with-drawable horizontal isolation type Vacuum Circuit Breaker with both manual and motor operated mechanism with closing solenoid, trip solenoid, shunt releases, operating cycle counter, 6 NO + 6 N/C contacts, mechanical ON/OFF indicators etc.</p> <p>3. 2 Nos. 11KV cast resin insulated, double pole potential transformer having ratio 11000/110V, class 0.5 of 50VA burden (in open delta connection) for metering and protection.</p> <p>4. 1 No. of TP MCB for PT secondary protection.</p> <p>5. 2 Nos. of cast resin insulated 11 KV double core current transformer having ratio 300/5/5A Core-1, 10VA, Class 0.5M10 Core-2, 15VA, Class 10 P10</p> <p>6. 1 No. of 0-15KV voltmeter with selector switch</p> <p>7. 1 No. of 0-300A Ammeter with selector switch</p> <p>8. 1 No. 3 phase 3 wire, two part time of the day solid state micro-computer operated digital KWH meter with indicating "PEAK" &amp; OFF PEAK energy with maximum demand indicator in KW with integrating time of 30 minutes.</p> <p>9. 1 No. of synchronous time switch for double tariff operation of KWH meter</p> <p>10. 3 Nos. of indicating lamps (ON/OFF/TRIP)</p>							



Description of Items	Country of Origin	Unit of Measurement	Qty of units Required	Unit price	Total price	Point of Delivery	Delivery Period Offered (Note 1)
2	3	4	5	6	7=5*6	8	9
<p>1 No. of panel heater with thermostat</p> <p>3 Nos of indicating lamp for presence of three phase (R.Y.B.)</p> <p>1 No. of operating handle.</p> <p>1 No. of Triple pole solid state micro processor operated IDMT relay with 2 (two) over current and 1 (one) earth fault protection element with standard settings.</p> <p><b>Outgoing Feeder - 1 :</b></p> <p>Outgoing feeder-1 shall be equipped with the followings:</p> <p>1 No. 11KV, 50HZ, 20KA (1 sec), Earthing switch to be inter locked with the vacuum circuit breaker</p> <p>1 No. 630A, 11KV, 50HZ, 20KA (3 sec) triple pole with drawable horizontal isolation type Vacuum Circuit Breaker with both manual and motor operated mechanism with closing solenoid, trip button shunt releases, operating cycle counter, 6 N/O + 6 N/C contacts, mechanical ON/OFF indicators etc.</p> <p>1 No. 11KV cast resin insulated, double pole potential transformer having ratio 11000/110V, class 0.5 of 50VA burden (in open delta connection) for metering and protection.</p> <p>1 No. of TP MCB for PT secondary protection.</p>							



Description of Items	Country of Origin	Unit of Measurement	Qty of units Required	Unit price	Total price	Point of Delivery	Delivery Period Offered (Note 1)
2	3	4	5	6	7=5*6	8	9
<p>1 nos of cast resin insulated 11 KV double core oil transformer having ratio 175/5/5A Core-1, Class 0.5M10 Core-2, 15VA, Class 10 P10</p> <p>1 nos of 0-15KV voltmeter with selector switch</p> <p>1 nos of 0-175A Ammeter with selector switch</p> <p>1 nos of indicating lamps (ON/OFF/TRIP)</p> <p>1 nos of Indicating lamp for presence of three phase (R.Y.B.)</p> <p>1 nos of operating handle.</p> <p>1 Nos of Triple pole solid state micro processor operated (DMT) relay with 2 (two) over current and 1 time earth fault protection element with standard settings</p> <p>1 tripping coil of the circuit breakers shall be powered by a capacitor storage tripping device connected to DC (battery) supply source for trip coil.</p> <p><b>Outgoing Feeder - 2 :</b></p> <p>2 nos outgoing feeders, each shall be equipped with the followings:</p> <p>1 Nos. 11KV, 50HZ, 20KA (1 sec), Earthing switch to be interlocked with the vacuum circuit breaker</p>							



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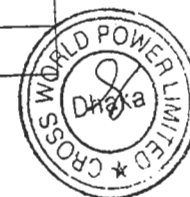
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Description of Items	Country of Origin	Unit of Measurement	Qty of units Required	Unit price	Total price	Point of Delivery	Delivery Period Offered (Note 1)
2	3	4	5	6	7=5*6	8	9
<p>No. 630A, 11KV, 50HZ, 20KA (3 sec) triple pole totally with-drawable horizontal isolation type Vacuum Circuit Breaker with both manual and motor operated mechanism with closing solenoid, trip button, shunt releases, operating cycle counter, 6 N/O - 6 N/C contacts, mechanical ON/OFF indicators etc.</p> <p>No. 11KV cast resin insulated, double pole potential transformer having ratio 11000/110V, class 0.5, of 50VA burden (in open delta connection) for metering and protection.</p> <p>No. of TP MCB for PT secondary protection.</p> <p>Nos. of cast resin insulated 11 KV double core current transformer having ratio 125/5/5A Core-1, 125/5 Class 0.5M10 Core-2, 15VA, Class 10 P10</p> <p>No. of C-15KV voltmeter with selector switch</p> <p>No. of C-125A Ammeter with selector switch</p> <p>Nos. of indicating lamps (ON/OFF/TRIP)</p> <p>Nos. of indicating lamp for presence of three phase (P.Y.B.)</p> <p>No. of operating handle.</p> <p>No. of Triple pole solid state micro processor operated IDMT relay with 2 (two) over current and 1 (one) earth fault protection element with standard settings.</p> <p>The tripping coil of the circuit breakers shall be activated by a capacitor storage tripping device without DC (battery) supply source for trip coil.</p>	<p>Component ABB/Equivalent Assembled in BD</p>	Set	1	TK 2,088,000	TK 2,088,000	Ditto	<p>within 06 month from date of work order.</p>

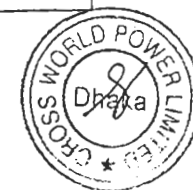


Description of Items	Country of Origin	Unit of Measurement	Qty of units Required	Unit price	Total price	Point of Delivery	Delivery Period Offered (Note 1)
2	3	4	5	6	7=5*6	8	9
Rate in word: <b>Taka Twenty Lac Eighty Eight thousand only</b>							
<b>TRANSFORMER</b> Installation, re-installation, testing and commissioning of following dry type cast resin, oil cooled 3-phase, 50 Hz, 11KV/0.415KV distribution Transformer of DYN11 vector group having percentage impedance 4 - 6%, basic impulse insulation level 75KV, HV & LV bushings, complete with two windings, earthing terminals, temperature sensor with thermometer, lifting lugs, name plate etc. complete as required and suitable for operation at 40°C ambient temperature. Brand name as tesar, ABB/Arava or equivalent.							
<b>New Transformer Capacity : 2000 KVA.</b> No load loss : 3500 watts (Maximum) Full load loss : 17000 watts (Maximum) Degree of protection : IP20 Dry type Cast resin.	Italy	Each	1	TK 3,826,000	TK 3,826,000	Ditto	With in 06 month from date of work order.
Rate in words: <b>Taka Thirty Eight Lac Twenty Six thousand only</b>							
<b>i) Re-installation of 3150VA Transformer</b> Re-installation, testing and commissioning of 3150VA Dry type transformer from existing BGMEA Bhaban to the proposed BGMEA Complex at Uttara, Dhaka. The rate includes un-installation works of the existing transformer, transportation cost, re-installation works including necessary materials as per direction of the Engineer-in-charge.	BD	Each	1	TK 68,000	TK 68,000	Ditto	With in 06 month from date of work order.
Rate in words: <b>Taka sixty eight thousand only</b>							





Description of Items	Country of Origin	Unit of Measurement	Qty of units Required	Unit price	Total price	Point of Delivery	Delivery Period Offered (Note 1)
2	3	4	5	6	7=5*6	8	9
<p><b>SWITCHGEAR</b></p> <p>Installation, testing and commissioning of 3-phase, 50 Hz, indoor type low tension switchgear of following specification complete with (1) 100A, 100KA, Triple pole withdrawable type Air Circuit Breaker with motor operated mechanism, controlled time dependent selectively operating with built in adjustable overload, adjustable short circuit protection, under voltage releases and auxiliary contacts.</p> <p>3 Nos - 415V, 5000/5A ratio current transformer with suitable accuracy and burden.</p> <p>1 - Digital Meter System</p> <p>1 - Push button trip</p> <p>3 - Indicating lamps (ON/OFF/TRIP)</p> <p>3 - Indicating lamps for R.Y.B. phases.</p>							



Description of Items	Country of Origin	Unit of Measurement	Qty of units Required	Unit price	Total price	Point of Delivery	Delivery Period Offered (Note 1)
2	3	4	5	6	7=5*6	8	9
<p>1x 4000A, 100KA, Triple pole with drawable type Metal clad Air Circuit Breaker with motor operated electronic controlled time dependent selectively operating with built in adjustable overload, adjustable short circuit protection, under voltage releases and auxiliary contacts.</p> <p>1x 3200A, 100KA, Triple pole with drawable type Metal clad Air Circuit Breaker with motor operated electronic controlled time dependent selectively operating with built in adjustable overload, adjustable short circuit protection, under voltage releases and auxiliary contacts.</p> <p>1x 2000A, 100KA, Triple pole with drawable type Metal clad Air Circuit Breaker with motor operated electronic controlled time dependent selectively operating with built in adjustable overload, adjustable short circuit protection, under voltage releases and auxiliary contacts.</p> <p>1x 630A (50KA), TPMCCB breaker with thermal overload and instantaneous Electro-magnetic short circuit release</p> <p>1x 160A (35KA), TPMCCB breaker with thermal overload and instantaneous Electro-magnetic short circuit release</p> <p>2x 100A (25KA), TPMCCB breaker with thermal overload and instantaneous Electro-magnetic short circuit release</p>							

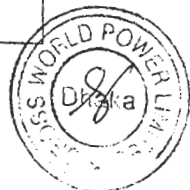


Description of Items	Country of Origin	Unit of Measurement	Qty of units Required	Unit price	Total price	Point of Delivery	Delivery Period Offered (Note 1)
2	3	4	5	6	7=5*6	8	9
1 x 25KA TPMCCB with thermal overload and instantaneous Electro-magnetic short circuit release.	Component: Schneider Assembled in BD	Set	1	TK 3,615,000	TK 3,615,000	Ditto	With in 06 month from date of work co.

Rate in words:

Taka Thirty six Lac fifteen thousand only

<p><b>PANEL-2</b></p> <p>Incoming:</p> <p>1 Set- 415V, 5000A, TPN&amp;E hard drawn electrolytic insulated copper busbar.</p> <p>2 x 3600A, 65KA, Triple pole withdrawable type Metal clad Air Circuit Breaker with motor operated electronic controlled time dependent selectively operating with built in adjustable overload, adjustable short circuit protection, under voltage releases and auxiliary contacts.</p> <p>2 nos - 415V, 3200/5A ratio current transformer with 5% tap accuracy and burden.</p> <p>1 - Digital Meter System</p> <p>1 - Push button trip</p> <p>3 - Indicating lamps (ON/OFF/TRIP)</p> <p>3 - Indicating lamps for R.Y.B. phases.</p> <p>Outgoing:</p> <p>2 x 2000A, 100KA, Triple pole with drawable type Metal clad Air Circuit Breaker with motor operated electronic controlled time dependent selectively operating with built in adjustable overload, adjustable short circuit protection, under voltage releases and auxiliary contacts.</p>							
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Description of Items	Country of Origin	Unit of Measurement	Qty of units Required	Unit price	Total price	Point of Delivery	Delivery Period Offered (Note 1)
2	3	4	5	6	7=5*6	8	9
<p>1 x 1250A 100KA, Triple pole with drawable type Motorised Air Circuit Breaker with motor operated Electronic controlled time dependent selectively operating with built in adjustable overload, adjustable short circuit protection, under voltage releases and anti-pump contacts.</p> <p>1 x 1250A 35KA TPMCCB breaker with thermal overload and instantaneous Electro-magnetic short circuit release</p> <p>1 x 1250A 35KA TPMCCB breaker with thermal overload and instantaneous Electro-magnetic short circuit release</p> <p>1 x 1250A 35KA TPMCCB breaker with thermal overload and instantaneous Electro-magnetic short circuit release</p> <p>1 x 63A (25KA), TPMCCB with thermal overload and instantaneous Electro-magnetic short circuit release.</p>	<p>Assembled in BD</p> <p>Component Schneider/Equivalent Set</p>		1	TK 2,099,000	TK 2,099,000	Ditto	<p>with in 06 month from date of work order.</p>

Rate in words:

Taka Twenty Lac Ninety Nine thousand only





Description of Items	Country of Origin	Unit of Measurement	Qty of units Required	Unit price	Total price	Point of Delivery	Delivery Period Offered (Note 1)
2	3	4	5	6	7=5*6	8	9
<b>BUS COUPLER</b> Supply, installation, testing and commissioning of 12500A, 65KA 3 pole withdrawable type, metal clad Air Circuit Breaker with motor and manual operated electric controlled time dependent selectively ACB with built in adjustable overload and short circuit protection, under voltage release & will be auxiliary contacts. This will be used as BUS COUPLER between the LT PANEL-1 & LT PANEL-2. This breaker and the main incoming breakers of LT PANEL-1 & LT PANEL-2 shall be electrically interlocked such that this bus coupler breaker can only be closed if either one of the main incoming breaker is opened complete with auto/manual closing option.	Component Schneider/Equivalent Assembled in BD	Set	1	TK 711,000	TK 711,000	Ditto	Witten in 06 months from date of work order
Rate in words: Taka Seven Lac Eleven thousand only							
<b>P.F. PLANT</b> Supply, installation, testing and commissioning of 415 volt, 3 phase, 50 Hz power factor improvement plants complete with TP busbars and earth block micro processor control auto power factor correction relay with digital PF reading display, capacitor bank, contactor, fuse, ON/OFF indicators for every stage of capacitor bank (except directly connected one) etc. locally factory assembled in 16 SAG sheet steel clad dust & vermin proof, free standing, floor mounting, epoxy resin powder coat painted cabinet, contactors, capacitor bank, relays, discharge resistor, fuse etc. shall comply MENA/MDE/IEC/JIS/BSS standard. Component: Siemens/Areva/Frako or Equiv.							



Description of Items	Country of Origin	Unit of Measurement	Qty of units Required	Unit price	Total price	Point of Delivery	Delivery Period Offered <sup>(Note 1)</sup>
2	3	4	5	6	7=5*6	8	9
<p><b>CAPACITIVITY 1900 KVAR</b></p> <p>1 Nos. - 415V, 4000A hard drawn electrolytic anodized copper busbar</p> <p>1 No. - 415V, 75 KVAR, 50Hz TP Power capacitor bank with built-in/separate discharge coil for connection directly with line through fuse.</p> <p>3 Nos. - 415V, 25 KVAR, 50Hz TP Power capacitor bank with built-in/separate discharge resistor.</p> <p>5 Nos. - 415V, 50 KVAR, 50Hz TP Power capacitor bank with built-in/separate discharge resistor.</p> <p>5 Nos. - 415V, 100 KVAR, 50Hz TP Power capacitor bank with built-in/separate discharge resistor.</p> <p>5 Nos. - 415V, 150 KVAR, 50Hz TP Power capacitor bank with built-in/separate discharge resistor.</p> <p>3 Nos. - 415V, 40 Amps, 50 Hz TP magnetic contactor with AC3 duty</p> <p>5 Nos. - 415V, 80 Amps, 50 Hz TP magnetic contactor with AC3 duty</p> <p>8 Nos. - 415V, 160 Amps, 50 Hz TP magnetic contactor with AC3 duty</p> <p>6 Nos. - 415V, 250 Amps, 50 Hz TP magnetic contactor with AC3 duty</p> <p>3 Nos. - 415V, 50 Amps TP MCCB</p> <p>5 Nos. - 415V, 100 Amps TP MCCB</p>							



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Description of Items	Country of Origin	Unit of Measurement	Qty of units Required	Unit price	Total price	Point of Delivery	Delivery Period Offered (Note 1)
2	3	4	5	6	7=5*6	8	9
1 Nos - 415V, 160 Amps TP MCCB	Assembled in BD	Set	1	TK 2,216,000	TK 2,216,000	Ditto	within 06 months from date of work
1 Nos - 415V, 200 Amps TP MCCB							
1 Nos - 415V, 300 Amps TP MCCB							
Rate in words: Taka Twenty Two Lac Sixteen thousand only							
BP CAPACITY 1200 KVAR							
3 Nos - 415V, 2000A hard drawn electrolytic insulated copper busbar							
1 No - 415V, 50 KVAR, 50Hz TP Power capacitor bank with built-in/separate discharge coil for connection directly with line through fuse.							
2 Nos - 415V, 25 KVAR, 50Hz TP Power capacitor bank with built-in/separate discharge resistor.							
4 Nos - 415V, 50 KVAR, 50Hz TP Power capacitor bank with built-in/separate discharge resistor.							
3 Nos - 415V, 100 KVAR, 50Hz TP Power capacitor bank with built-in/separate discharge resistor.							
4 Nos - 415V, 150 KVAR, 50Hz TP Power capacitor bank with built-in/separate discharge resistor.							
3 Nos - 415V, 40 Amps, 50 Hz TP magnetic contactor with AC3 duty							
4 No - 415V, 80 Amps, 50 Hz TP magnetic contactor with AC3 duty							
3 Nos - 415V, 160 Amps, 50 Hz TP magnetic contactor with AC3 duty							
4 Nos - 415V, 250 Amps, 50 Hz TP magnetic contactor with AC3 duty							

Description of Items	Country of Origin	Unit of Measurement	Qty of units Required	Unit price	Total price	Point of Delivery	Delivery Period Offered (Note 1)
2	3	4	5	6	7=5*6	8	9
MCCBs - 415V, 50 Amps TP MCCB	Assembled in BD	Set	1	TK 1,389,000	TK 1,389,000	Ditto	Within 06 months date of work order
MCCBs - 415V, 100 Amps TP MCCB							
MCCBs - 415V, 200 Amps TP MCCB							
MCCBs - 415V, 300 Amps TP MCCB							
Rate in words: Taka Thirteen Lac Eighty nine thousand only							
<b>BUS-BAR TRUNKING (BBT) SYSTEM</b> Supply, installation, testing and commissioning of 415V, 50 C/S, compact design Copper bus bar trunking system conforming to IEC-439 of the following sizes as per the technical specification, drawings and instruction of the Engineer-in-charge. The contractor must inspect the site for determining the BBT route, check the guideline enclosed drawing, technical specification and supply accordingly to complete the bus bar trunking system to make the system complete. The tender must submit manufacturer's drawing after taking catalogue and type test report along with the offer must be submitted otherwise the offer will be rejected. The rate should be quoted inclusive of all required material for this item as per specification, drawing and instruction of the Engineer-in-charge. Brand: Siemens/Schneider/Eaton/GE or equiv.							

**BBT**





Description of Items	Country of Origin	Unit of Measurement	Qty of units Required	Unit price	Total price	Point of Delivery	Delivery Period Offered (Note 1)
2	3	4	5	6	7=5*6	8	9
<del>BBT-3: 2000A TPN + PE Bus Bar trunking from LT PANEL-2 in sub-station room at ground floor to Roof floor electrical room floor, from bottom through electric duct as mentioned in the drawing. There shall be 18 nos. of 250A TPN+PE Tap off boxes with 18 nos. of 100-250A TP MCCB, adjustable (35 KA) and 15 nos. of 63A TPN+PE Tap off boxes with 15 nos. of 63A TP MCCB, adjustable (25 KA). The MCCB shall have thermally delayed over load and short circuit protections.</del>	Italy	Lot	1	<del>TK 11,280,236</del>	<del>TK 11,280,236</del>	Ditto	<del>Within 06 months from date of work order.</del>
Rate in words: Taka one core twelve lac eighty thousand two hundred twenty six only							
<b>HT CABLE WORK</b> Providing and laying following sizes 11KV XLPE insulated HT cable HT Cable manufactured by M/S BRB/Paradise Cables Ltd. 140 sq. mm XLPE insulated HT cable through 6" dia. pipe	BD	Rm	50	TK 13,220	TK 661,000	Ditto	Do
Rate in words: Taka nineteen thousand two hundred twenty only							
<b>LT CABLE WORK</b> Supply, laying including installation, testing and commissioning of the following sizes XLPE insulated and PVC sheathed (N2XY) cable manufactured by M/S BRB/Paradise Cables Ltd. <b>10-500sq.mm N2XY cable</b>	BD	Metre	250	TK 7922	TK 1,982,250	Ditto	Do
Rate in words: Taka seven thousand nine hundred twenty nine only							
<b>10-120sq.mm N2XY cable</b>	BD	Metre	300	PK 1360	TK 408,000	Ditto	Do



Description of Items	Country of Origin	Unit of Measurement	Qty of units Required	Unit price	Total price	Point of Delivery	Delivery Period Offered (Note 1)
2	3	4	5	6	7=5*6	8	9
Rate in words: Taka one thousand three hundred sixty only							
10-50sq.mm N2XY cable	BD	Metre	350	TK 440	TK 154,000	Ditto	Write in
Rate in words:							
11 EARTHING							
Earthing the electrical installation with 50 mm (2") dia G.I. pipe (earth electrode) having 12.7 mm dia copper rods the dia at 305 mm interval securedly bonded with 2 SWG HDSC earth lead with washer, nuts, bolts etc. sunk upto undermentioned depth and protection of earth lead by 20mm mm (3/4") dia G.I. pipe upto main level run at a depth of 609.6 mm (2') below G.L. upto main board to be earthed including necessary connecting copper sockets, bolts, nuts including additional vertical run of 12.7 mm dia G.I. pipe upto G.L. from 609.6 mm (2') depth with blind socket for water pouring facility etc. complete for maintaining earth resistance less than 1 ohm.							
11.1 Depth of bottom of main electrode at 37338 mm. (122.5 ft) from GL & length of electrode 36576 mm. (120 ft).	BD	Job	15	TK 30,000	TK 450,000	Ditto	DO
Rate in words: Taka Thirty Thousand only							

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Description of Items	Country of Origin	Unit of Measurement	Qty of units Required	Unit price	Total price	Point of Delivery	Delivery Period Offered (Note 1)
2	3	4	5	6	7=5*6	8	9
Construction of Earthen inspection pit inside sub-station 600mm x600mm with 250mm thick concrete base (1:4) with 100mm thick RCC base (1:2.4) with 1% re-inforcement 450mm dia. casted CI man hole cover with locking mechanism including necessary earth works, site clearing and one brick flat soiling 75mm thick (1:3:6) concrete for making inlet channel & 12mm thick 1:2 cement plaster with neat finishing etc. all work up to a depth of .75 meter.	BD	Set	12	TK 10,600	TK 127,200	Ditto	With in 06 months from date of work order.
Rate in words: Taka Ten Thousand Six Hundred only							
Supply and drawing NO.2 SWG HDPC wire 12mm (3/4") dia G.I. pipe including fitting, 12mm (3/4") dia G.I. pipe in wall or column complete as per drawing. The rate includes the supply & installation of earthing block of size 30"x2.5"x3/4" (as required) to be installed on sub-station using suitable insulator.	BD	Metre	350	TK 690	TK 241,500	Ditto	With in 06 months from date of work order.
Rate in words: Taka Six Hundred Ninety only							
<b>CABLE KITS</b> Supply and fixing of heat shrink termination kit outdoor/indoor use complete with DIN lugs earth connection hardware and cable preparation kit (Indoor and Outdoor) at the point of cable termination for 11 KV, 3-core XLPE insulated and PVC sheathed & armoured cable of the following sizes (Made in GERMANY/USA/UK/France)							With in 06 months from date of work order.
11KV 3-core (FOR OUTDOOR USE)	EU	Set	6	TK 2600	TK 15,600	Ditto	



Description of Items	Country of Origin	Unit of Measurement	Qty of units Required	Unit price	Total price	Point of Delivery	Delivery Period Offered (Note 1)
2	3	4	5	6	7=5*6	8	9
Words: Taka Two Thousand Six Hundred only							
40 mm (FOR INDOOR USE)	EU	Set	8	TK 2600	TK 20,800	Ditto	within 06 months
Words: Taka Two Thousand Six Hundred only							
<p>The contractor shall be responsible for communicating with the local electric supply office (SSCO/DPDC) and other authority viz. Chief Inspector of electric licence board, Govt. of Bangladesh for their inspection/clearance and sanction of electric load. The contractor shall submit the application for required load sanction and other formalities on behalf of the employer till the sub-station is commissioned and handed over to the Employer. However, the security deposit money and SSCO/DPDC meter panel installation charges for proposed sub-station will be directly paid to SSCO/DPDC by the employer on submission of bill and but other incidental charge will be borne by the contractor.</p> <p>The contractor shall also be responsible for communicating with the local electric supply office (SSCO/DPDC) including all official paper formalities on behalf of the Employer for Ring Main Unit (RMU) installation and line construction if required. Charges for RMU purpose will be paid by the Employer.</p>	BD	L.S.	L.S.	TK 1,875,000	TK 1,875,000		within 06 months from date of P.O.
Words: Taka Eighteen Lac seventy Five Thousand only							

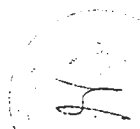




Description of Items	Country of Origin	Unit of Measurement	Qty of units Required	Unit price	Total price	Point of Delivery	Delivery Period Offered (Note 1)
2	3	4	5	6	7=5*6	8	9
Supply and fixing of following capacities: purpose ABCE dry chemical powder stored pressure type with manometer system Fire Extinguisher suitable for repeated use complete with wall bracket, CO2 cartridge, easy refilling system etc. as per sample approved by the Engineer-in-charge.							
5 Kg. capacity.	BD/china	Each	12	TK 4000	TK 48,000	Ditto	With in 06 months
Rate in words:							
15 Supply and installation of required no./quantity of approved type danger sign and rubber floor mat in the sub-station area as per direction of the Engineer.	BD	Job	1	TK 15,000	TK 15,000	Ditto	With in 06 months
Rate in words: Taka Fifteen thousand only							
					Total(Tk.)	TK 78,701,000/-	
(In words): Taka seven core Eighty seven Lac one thousand							



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