



National Development Engineers Ltd.

Date -19.01.2017.
Cross World Power Ltd.
House #6,Road # 90, Gulshan-2
Dhaka-1212. Bangladesh

Attn: **Sabbir Ahmed**
Asstt. General Manager

Sub: **Provisional Work Order for Supply, Installation ,Testing and Commissioning of 1x2000KVA and 3x1600KVA substations equipment at BATB project ,Savar.**

Dear Sir,

Following our discussion with you on 18.01.2017, we are pleased to give you the provisional work order for the above mentioned subject under following terms and conditions.

Rate and items:-

SL	Name of Equipment	Qty	Unit	Standard	Rate in TK	Amount
1	1. 11kV Ring Main Unit (RMU) at site boundary	1	Set	IEC 62271-200 IEC 62271-100 IEC 62271-1	1823529.00	1823529.00
	Model: 8DJH ST					
	Manufacturer: Siemens					
	Country origin: India					
2	2. 11 kV Indoor Type MV Panels -(Primary Switchgear)	1	Set	IEC 62271-200 IEC 62271-100 IEC 60529	13705882.00	13705882.00
	Manufacturer: Siemens					
	Model: 8DJH ST E					
	Modular Expandable Type					
	Assembly: Kalwa, India					
3	3. 11kV Automatic Voltage Regulator (AVR)	1	Set		6275186.00	6275186.00
	Catalog No. 10-07.6-333.0.					
	Make: Siemens Energy Inc.					
	Country origin: USA					
4	4. Indoor Type AVR Bypass Switch.	1	Set		800000	800000.00
	Manufacturer: Siemens					
	Model: GH21D					
	Assembly: Kalwa, India					
	11/0.380kV Distribution Substation - 1					
5	1. 11kV Ring Main Unit (RMU)	1	Set	IEC 62271-200 IEC 62271-100 IEC 62271-1	1823529	1823529.00
	Model: 8DJH ST					
	Manufacturer: Siemens					
	Country of origin: India					

NDE

National Development Engineers Ltd.

SL	Name of Equipment	Qty	Unit	Standard	Rate in TK	Amount
6	2. 2000 KVA, 11/0.380 kV Dry Type Transformer Model: GEAFOL 4GB 6344-3DY05-0AA0 Manufacturer: Siemens Country of origin: Germany	1	Set	IEC 60076-11 DIN EN 60076-11 VDE 0532-76-11	4775413	4775413.00
7	3. Low Tension Switchgear Panel: Manufacturer: Siemens Assembly: Kalwa, India Model: SIVACON, S8 Degree of Protection: IP41	1	Set	IEC 439 IEC 61641 IEC 61439-2	10717391	10717391.00
8	4.1200kVAR Automatic Power Factor Correction Panel Manufacturer: Siemens Assembly: Kalwa, India Model: SIVACON, S8 Degree of Protection: IP41	1	Set	BS 1650 IEC 70 IEC 158-1	5069176	5069176.00
11/0.380kV Distribution Substation - 4						
9	1. 11kV Ring Main Unit (RMU) Model: 8DJH ST Manufacturer: Siemens Country of origin: India	1	Set	IEC 62271-200 IEC 62271-100 IEC 62271-1	1823529	1823529.00
10	2. 1600 KVA, 11/0.380 kV Dry Type Transformer Model: GEAFOL 4GB 6244-3DY05-0AA0 Manufacturer: Siemens Country of origin: Germany	1	Set	IEC 60076-11 DIN EN 60076-11 VDE 0532-76-11	4079637	4079637.00
11	3. Low Tension Switchgear Panel: Manufacturer: Siemens Assembly: Kalwa, India Model: SIVACON, S8 Degree of Protection: IP41	1	Set	IEC 439 IEC 61641 IEC 61439-2	9237844	9237844.00



National Development Engineers Ltd.

SL	Name of Equipment	Qty	Unit	Standard	Rate in TK	Amount
12	4. 950 KVAR Automatic Power Factor Correction Panel Manufacturer: Siemens Assembly: Kalwa, India Model: SIVACON, S8 Degree of Protection: IP41	1	Set	BS 1650 IEC 70 IEC 158-1	4703022	4703022.00
	11/0.380kV Distribution Substation - 5					
13	1. 11kV Ring Main Unit (RMU) Model: 8DJH ST Manufacturer: Siemens Country of origin: India	1	Set	IEC 62271-200 IEC 62271-100 IEC 62271-1	1823529	1823529.00
14	2. 1600 KVA, 11/0.380 kV Dry Type Transformer Model: GEAFOI 4GB 6244-3DY05-0AAO Manufacturer: Siemens Country of origin: Germany.	1	Set Set	IEC 60076-11 DIN EN 60076-11 VDE 0532-76-11	4079637	4079637.00
15	3. Low Tension Switchgear Panel: Manufacturer: Siemens Assembly: Kalwa, India Model: SIVACON, S8 Degree of Protection: IP41	1	Set	IEC 439 IEC 61641 IEC 61439-2	8423610	8423610.00
16	4. 950 KVAR Automatic Power Factor Correction Panel Manufacturer: Siemens Assembly: Kalwa, India Model: SIVACON, S8 Degree of Protection: IP41	1	Set	BS 1650 IEC 70 IEC 158-1	4703022	4703022.00
	11/0.380kV Distribution Substation - 6					
17	1. 11kV Ring Main Unit (RMU) Model: 8DJH ST Manufacturer: Siemens Country of origin: India	1	Set	IEC 62271-200 IEC 62271-100 IEC 62271-1	1823529	1823529.00

NDE

National Development Engineers Ltd.

SL	Name of Equipment	Qty	Unit	Standard	Rate in TK	Amount
18	2. 1600 KVA, 11/0.380 kV Dry Type Transformer Model: GEAFOL 4GB 6244-3DY05-0AA0 Manufacturer: Siemens Country of origin: Germany.	1	Set	IEC 60076-11 DIN EN 60076-11 VDE 0532-76-11	4079637	4079637.00
19	3. Low Tension Switchgear Panel: Manufacturer: Siemens Assembly: Kalwa, India Model: SIVACON, S8 Degree of Protection: IP41	1	Set	IEC 439 IEC 61641 IEC 61439-2	8603964	8603964.00
20	4. 950 KVAR Automatic Power Factor Correction Panel Manufacturer: Siemens Assembly: Kalwa, India Model: SIVACON, S8 Degree of Protection: IP41	1	Set	BS 1650 IEC 70 IEC 158-1	4703022	4703022.00
	Inter connecting BBT from X-Former to LT Panel			IEC 60439 :1-2		
21	Substation -1	1	Lot		Rate Included in item	
22	Substation -4	1	Lot		Rate Included in item	
23	Substation -5	1	Lot		Rate Included in item	
24	Substation -6	1	Lot		Rate Included in item	
25	Installation Testing and commissioning	1	Job		3328305	3328305.00
					Sub total TK =	106402393.00
					Special Discount 24.81% =	26402393.00
						80000000.00

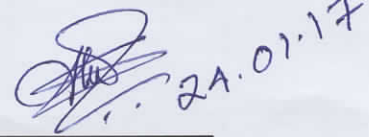
Terms and conditions-

- Specification : Attached herewith (Page -1 to 28)
- Drawing (SLD) : Attached herewith (Page -1)
- Mode of Payment
 - After acceptance of specification & final workorder.
- Warranty Period : 12 months from the date commissioning.
- Delivery time : Five months from the date of final work order
- Miscellaneous : Using any sub- standrd materials other than specification and relevant drawing will not be accepted.

Thanking you,



Raihan Mustafiz
Director



Signature as token of
Acceptance