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National Development Engineers Ltd.

Director

Iftakhar Karim  
Chief Operating Officer  
CROSS WORLD POWER LTD

**Purchase Agreement**

This Agreement is made on this the 2nd day of February Two thousand and seventeen of the Christian era.

**BETWEEN**

**NATIONAL DEVELOPMENT ENGINEERS LTD.**, House No. 10, Road No. 90, Gulshan, Dhaka-1212, hereinafter referred to as the **PURCHASER**, represented by its Director, Mr. Raihan Mustafizur, which expression where the context so admits, shall include its successors-in-interest and assigns, of the **1st Party**.

**AND**

**Cross World Power Ltd.** Corporate Sales office: House-6, Road-90, Gulshan-2, Dhaka-1212, Bangladesh, hereinafter referred to as the **SELLERS**, represented by its Chief Operating Officer, Mr. Iftakhar Karim, which expression where the context so admits, shall include its successors-in-interest and assigns of the **2nd Party**.

WHEREAS the **PURCHASER** finds the offer of the **SELLERS** competitive and acceptable, and finds the price reasonable, and intends to enter into this Agreement for the purchase of 1x2000 KVA & 3x1600KVA Sub Station equipment & 11KV RMU, 11KV indoor type MV panel as per the enclosed detail technical specifications, catalogue and following price.

NOW the **PARTIES** hereto mutually agree as follows:

That both the **SELLERS** and the **PURCHASER** agree to fulfill their part of the contract as mentioned hereunder, and the **PURCHASER** agrees to pay to the **SELLERS** as per the following terms of payment & conditions:

**1 Scope of work**

Import, supply, install, test and Commission the 1x2000 KVA & 3x1600KVA Sub Station equipment & 11KV RMU, MV panel & others for "British American Tobacco, Project Auctus, at SAVAR, Bangladesh." (Loading, unloading, carrying up to work site), complete in all respect, as per enclosed detail technical specifications, Catalogue and drawing.

**2 Total Price**

As per final offer Ref: 18/01/2017, Total value is given below.

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	1,823,529.00	1,823,529.00
	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	13,705,882.00	13,705,882.00
	Manufacturer: Siemens					
	Model: 8DJH ST E					
	Modular Expandable Type					
	Assembly: Kalwa, India					
3	3. 11kV Automatic Voltage Regulator (AVR)	1	Set		6,275,186.00	6,275,186.00
	Catalog No. 10-07.6-333.0.					
	Make: Siemens Energy Inc.					
	Country origin: USA					
4	4. Indoor Type AVR Bypass Switch.	1	Set		800,000.00	800,000.00
	Manufacturer: Siemens					
	Model: GH21D					
	Assembly: Kalwa, india					
	11/0.380kV Distribution Substation - 1, 2000 KVA					



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National Development Engineers Ltd.

  
Director


  
Iftekhar Kabir  
Chief Operating Officer  
CROSS WORLD POWER LTD

SL	Name of Equipment	Qty	Unit	Standard	Rate in TK	Amount
5	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	1,823,529.00	1,823,529.00
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	4,775,413.00	4,775,413.00
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	10,717,391.00	10,717,391.00
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	5,069,176.00	5,069,176.00
11/0.380kV Distribution Substation - 4,1600KVA						
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	1,823,529.00	1,823,529.00
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	4,079,637.00	4,079,637.00
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	9,237,844.00	9,237,844.00
12	4. 950 KVAR Automatic Power Factor Correction Panel  Manufacturer: Siemens	1	Set	BS 1650 IEC 70 IEC 158-1	4,703,022.00	4,703,022.00



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National Development Engineers Ltd.

Director

Iftekhar Karim

Chief Operating Officer

CROSS WORLD POWER LTD

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SL	Name of Equipment	Qty	Unit	Standard	Rate in TK	Amount
	Assembly: Kalwa, India Model: SIVACON, S8 Degree of Protection: IP41					
	11/0.380kV Distribution Substation - 5,1600KVA					
13	1. 11kV Ring Main Unit (RMU)	1	Set	IEC 62271-200 IEC 62271-100 IEC 62271-1	1,823,529.00	1,823,529.00
	Model: 8DJH ST Manufacturer: Siemens Country of origin: India					
14	2. 1600 KVA, 11/0.380 kV Dry Type Transformer	1	Set	IEC 60076-11 DIN EN 60076-11 VDE 0532-76-11	4,079,637.00	4,079,637.00
	Model: GEAFOL 4GB 6244-3DY05-0AA0 Manufacturer: Siemens Country of origin: Germany.		Set			
15	3. Low Tension Switchgear Panel:	1	Set	IEC 439 IEC 61641 IEC 61439-2	8,423,610.00	8,423,610.00
	Manufacturer: Siemens Assembly: Kalwa, India Model: SIVACON, S8 Degree of Protection: IP41					
16	4. 950 KVAR Automatic Power Factor Correction Panel	1	Set	BS 1650 IEC 70 IEC 158-1	4,703,022.00	4,703,022.00
	Manufacturer: Siemens Assembly: Kalwa, India Model: SIVACON, S8 Degree of Protection: IP41					
	11/0.380kV Distribution Substation - 6,1600KVA					
17	1. 11kV Ring Main Unit (RMU)	1	Set	IEC 62271-200 IEC 62271-100 IEC 62271-1	1,823,529.00	1,823,529.00
	Model: 8DJH ST Manufacturer: Siemens Country of origin: India					
18	2. 1600 KVA, 11/0.380 kV Dry Type Transformer	1	Set	IEC 60076-11 DIN EN 60076-11 VDE 0532-76-11	4,079,637.00	4,079,637.00
	Model: GEAFOL 4GB 6244-3DY05-0AA0 Manufacturer: Siemens Country of origin: Germany.					
19	3. Low Tension Switchgear Panel:	1	Set	IEC 439 IEC 61641 IEC 61439-2	8,603,964.00	8,603,964.00
	Manufacturer: Siemens Assembly: Kalwa, India Model: SIVACON, S8 Degree of Protection: IP41					



20	4. 950 KVAR Automatic Power Factor Correction Panel	1	Set	BS 1650 IEC 70 IEC 158-1	4,703,022.00	4,703,022.00
	Manufacturer: Siemens Assembly: Kalwa, India Model: SIVACON, S8 Degree of Protection: IP41					
	Inter connecting BBT from X-Former to LT Panel			IEC 60439 :1-2		
	Manufacturer: Siemens Model: SIVACON, 8PS					
21	Substation -1 as per standard of REB/PDB/ELB	1	Lot		Rate Included in item	
22	Substation -4 as per standard of REB/PDB/ELB	1	Lot		Rate Included in item	
23	Substation -5 as per standard of REB/PDB/ELB	1	Lot		Rate Included in item	
24	Substation -6 as per standard of REB/PDB/ELB	1	Lot		Rate Included in item	
25	Installation Testing and commissioning	1	Job		3,328,305.00	3,328,305.00
					total TK =	106,402,393.00
					Special Discount TK =	26,402,393.00
					Sub-Total amount of TK=	80,000,000.00
<b>Additional Items</b>						
26	01 (One) unit additional 11 kV Indoor Type Panel - Primary Switchgear (Additional) ( Above Item reference no 2)	1	Set	IEC 62271-200 IEC 62271-100 IEC 60529	2,000,000.00	2,000,000.00
	Manufacturer: Siemens Model: 8DJH ST E Modular Expandable Type Assembly: Kalwa, India					
27	Additional Inter connecting BBT from X-Former to LT Panel ( Above Item reference no 21,22,23,24)	1	Lot	IEC 60439 :1-2	1,400,000.00	1,400,000.00
	Manufacturer: Siemens Model: SIVACON, 8PS Origin-Vietnam					
28	Additional cost for the change of Circuit breaker rating, CT ratio, additional SPD, incoming BBT provision & additional RS485 options with the power meter EM6400 for networking. ( Above Item reference no 7,11,15)	1	Lot		1,600,000.00	1,600,000.00
					Sub-Total amount of TK =	5,000,000.00
					Grand Total=	85,000,000.00

(In words - Taka Eight crore Fifty Lac only)

**3 Terms of Payment:**

- (i) 2nd party will open L/C as per attached Technical Specification and catalogue within 05 working days of signing this contact.
- (ii) Govt. duty, TAX, VAT etc. as per Present Govt. rule, loading, carrying up to site & unloading, shall be carried out by the 2nd party

Taka 200,00,000/= (Two crore) Advance payment shall be made along with Work Order.

Taka 420,00,000/= (Four crore Twenty lac) payment shall be made after arrival of goods at site and submission of shipping documents, all factory test reports & Country of origin certificate.

Taka 185,00,000/= (One crore Eighty five lac) payment shall be made after installation, Electric Licensing Board certificate (ELB), Testing and Commissioning.

Taka 45,00,000/= (Forty Five lac) payment shall be made after Twelve months from the date of Commissioning.

4 **Delivery**

i) Engineering design drawings including Panels and GA drawing will be supplied by 2<sup>nd</sup> party maximum 5 (five) days from the date of signing of the agreement.

ii) 11 KV AVR with Bypass, MV panel (Primary switchgear), Transformer, LT & PFI panels, Feeder BBT (X-Former to LT Panel) & relevant accessories are to be arrived at site within 120 days from the date of signing of the agreement.

iii) Factory QC inspection within 90 days from the date of the agreement.

5 **Warranty**

2nd party will be liable to replace any component/item of this sub-station for manufacturing defects, wrong installation, upto a period of 12 (twelve) months from the date of issue of virtual completion certificate.

6 **After sales service**

2nd party will provide free maintenance services for 12 (twelve) months starting from the date of handing over to "British American Tobacco, Project Auctus, at Savar, Bangladesh."

7 **Specification**

Detailed Technical Specification, Catalogue of the sub Station equipments are attached with the agreement and shall be treated as a Part of this agreement. Any deviation in the CAPITA Technical Specification will not be accepted. Enclosed Page No.....

8 **Completion time**

i) Installation, testing, commissioning & handing over to BATB 10th July 2017.

IN WITNESS WHEREOF the Parties hereto sign and execute this Agreement on the aforementioned date.

**PURCHASER (First Party)**

Raihan Mustafiz

Director

National Development Engineers Ltd.

House No.10, Road No.90

Gulshan, Dhaka-1212, Bangladesh.



**SELLER (Second Party)**

Iftexhar Karim

Chief Operating Officer

Cross World Power Ltd.

Corporate Sales office:

House-6, Road-90, Gulshan-2,

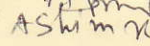
Dhaka-1212, Bangladesh.



In the presence of:

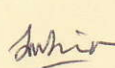
1. Name:

Address

  
ASHIM KUMAR  
H # 10, R # 90, Gulshan.

1. Name:

Address

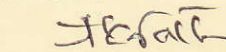
Jubair Hossain Azad  
H # 10, R # 90, Gulshan-2 

1. Name:

Address


1. Name:

Address

  
ASISH K. NATH


1. Name:

Address

  
MD YEZZUM HOSAIN

1. Name:

Address

TAZ UDDIN 





## 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					

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## 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: GEA FOL 4GB 6244-3DY05-0AA0 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



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## 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

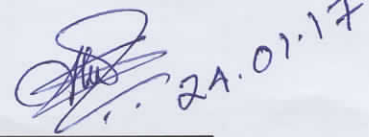
### Terms and conditions-

- 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