

SAYED ELECTRIC & CO.

Engineers ■ Builders ■ Importers ■ Suppliers & Special Class Government Contractors

Ref: SM W.O | BB. MYM | 03 | 2021.

সৈয়দ ইলেকট্রিক এন্ড কোং

প্রকৌশলী, নির্মাতা, আমদানীকারক, সরবরাহকারী ও বিশেষ শ্রেণীর সরকারী ঠিকাদার

Date: 28 02 2021.

To CEO

CROSS WORLD POWER LTD.

Plot 1/B, Road 90, Gulshan - 2, Dhaka 1212, Bangladesh.

Attention: Ariful Islam (Manager, Sales).

Subject:

Work order for Supply of following Equipment's as per your Offer for

Bangladesh Bank, Mymensingh office, Mymensingh.

Project:

Bangladesh Bank, Mymensingh.

Ref. No: CWPL/SS/BB/20072020. (A).

Dated: 20/07/2020.

Ref. No: CWPL/SS/BB/20072020. (B).

Dated: 20/07/2020.

Ref. No: CWPL/BBT-221/120.

Dated: 20/07/2020.

Ref. No : Generator. (Refer by Mailed).

Dated: 20/07/2020.

Dear Concern.

With due respect, we like to place the work order for LT Switchgear Panel-1 Set, ELT Panel (ATS Panel) -1 Set, 750 KVAR PFI Plant -1 Set, 500 KVA & 200 KVA Diesel Generator with foreign Canopy Set -1 Set, Generator Synchronizing Panel -1 Set, Floor MDB-1-1 Set, Floor MDB-2-1 Set, Floor MDB-3-1 Set, Floor MDB-AC-1 Set, Server MDB-1-1 Set, Busbar Trunking System (with Installation) BBT-1 (2000A) 1 Lot, BBT-2 (1250A) 1 Lot, BBT-3 (1250A) 1 Lot), Server SDB -1 Set, AC SDB-1 -1 Set, AC SDB-2 -4 Set, SDB Gate House 1 Set, SDB-M -1 Set as your financial Offer.

Total Work Order Value:

CWPL/SS/BB/20072020. (A). BDT:

BDT: 2,926,000/=

CWPL/SS/BB/20072020. (B).

BDT: 29,259,900/=

CWPL/BBT-221/120.

BDT: 4,710,000/=

Generator (Ref. Mailed)

BDT: 7,700,000/=

Total Value

BDT:

44,595,900/=

(Taka: Four Crore Forty-Five Lac Ninety-Five Thousand and Nine Hundred Only)



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সৈয়দ ইলেকট্রিক এন্ড কোং

প্রকৌশলী, নির্মাতা, আমদানীকারক, সরবরাহকারী ও বিশেষ শ্রেণীর সরকারী ঠিকাদার

Date:

Ref:

Terms & Conditions:

- 01. Drawing must be provided within 15 days from the Advance Payment date.
- 02. Goods must be delivered Within 180 days after receipt of confirmed order.
- 03. Payment Method:
- Advance 20% payment As Token By 10/03/2021.
- ii) Rest 20% payment After Receiving Drawing.
- iii) Rest 50% payment After receiving the equipment's at

site.

lv) Final 10% payment after Installation.

04. Warranty will be provided One year after Commissioning or One & Half year from the date of Delivery.

Thanking You.

Syed Mosharrof Hossain,

Proprietor.

SAYED ELECTRIC & CO.

Contact: +8801714066725.

CROSS WORLD POWER LTD



FINANCIAL OFFER

DATE : Feb 25, 2021 REF : CWPL-SB/0012/21F

Sayed Electric & CO. Ltd. 5/17, Humayun Road, Block-B, Mohammodpur, Dhaka.

FINANCIAL OFFER FOR SUPPLY OF LT, ELT, PFI, FLOOR MDB

Dear Sir,

We are pleased to submit our financial offer with reference to our technical offer# CWPL-SB/0012/21T dated Feb 25, 2021 :

1. Price:

SL#	Product Name	Unit	Price (BDT)	Qty.	Total Price(BDT)
1)	LT SWITCHGEAR PANEL	Set	6,228,738.00	1.00	6,228,738.00
	(as per attached technical specifications)				
2)	ELT PANEL (As Per Attached Technical)	Set	6,367,847.00	1.00	6,367,847.00
3)	750 KVAR AUTO/MANUAL PFI PLANT	Set	2,885,000.00	1.00	2,885,000.00
	(as per attached technical specifications)				
4)	Gen. Sync Panel (As per attached technical	Set	5,770,002.00	1.00	5,770,002.00
	specification)				
5)	Floor MDB 01 (As per attached technical specification)	Set	1,845,000.00	1.00	1,845,000.00
6)	Floor MDB 02 (As per attached technical specification)	Set	1,655,000.00	1.00	1,655,000.00
7)	Floor MDB 03 (As per attached technical specification)	Set	1,458,322.00	1.00	1,458,322.00
8)	Floor MDB AC (As per attached technical specification)	Set	1,910,000.00	1.00	1,910,000.00
9)	Server MDB 01 (As per attached technical specification)	Set	1,139,991.00	1.00	1,139,991.00

Total Price (Ready Stock) in BDT 29,259,900.00

GRAND TOTAL (Excluding VAT & AIT) in BDT 29,259,900.00

Amount in words: <u>BDT Twenty-Nine Million Two Hundred and Fifty-Nine Thousand Nine Hundred Only.</u>

CROSS WORLD POWER LTD

1. VALIDITY: Our offer will remain valid for a period for 30 days from the date of this offer. 2. DELIVERY: Within 60 days after receipt of confirmed order and payment as per clause #3 3. PAYMENT: 50% Cash/PO/DD along with order and remaining 50% at the time of taking delivery. 4. FABRICATION and ASSEMBLY: Fabrication and assembly will be done at our Dhaka factory. **5. GUARANTEE:** One year if any manufacture defects. **6. AFTER SALES SERVICE:** One year free of cost. We hope the above offer is acceptable to you and we look forward to your valued work order in our favour. Should you require further information or discussion, please feel free to contact the undersigned. Sincerely, Md. Ariful Islam Manager, Sales & Marketing Mobile: 01755 514 731





Specifications Submission and Compliance Sheet (Form PG3-5)

Invitation for Tender No:

20/mymensingh/SST/2020-32

Date:

11/06/2020

Tender Package No:

N/A

Package Description:

Single

Tender Lot No:

N/A

Lot Description:

Single

Instruction to fill-up:

*To be filled up by the Tenderer & Manufacturer in letterhead pad with appropriate data as per manufacturer specification, otherwise the tender shall be rejected.

* Must mention specific value/data model, brand & origin as per manufacturer offered model specification; should not write complied or as per required/specification, as it is not GTP rather specification submission sheet. (Page 91-140)

*All incoming & outgoing ACB of LT Panel shall be installed in single enclosure/cubicle.

Item No. 9.0 Automatic & Manual PFI Plants: 750KVAR PFI:

Description	Bangladesh Banks Requirement	Tenderers offered Specification
Brand and Model (Siemens /ABB /Eaton / Schneider or equivalent)	Mentioned by bidder	Brand: SIEMENS Model: SIVACON S8
Manufacturing Standard	ISO 9001, ISO 14001, OHSAS 18001, Seismic Test(Enclosure) & IEC 61439-1/2, Type test from KEMA/CESI/ASTA/Pehla or equivalent EU lab	ISO 9001, ISO 14001, OHSAS 18001, Seismic Test (Enclosure) & IEC 61439-2, Type test from DAR & LOVAG/ASTA. Certificate Submitted
Country of Origin & manufacturing (LT Enclosure & Components):	USA/UK/EU or equivalent	Germany
Name & Address of Assembling(with e-mail) plant	Mentioned by bidder	Manufacturer: SIEMENS AG, Leipzig, Germany. Assembling Plant: CEG ELETTRONICA INDUSTRIALE SpA Via Nave 11, 52011 Bibbiena (AR) Italy Email: sales.intercompany@cegspa.com SIEMENS LICENSE
Country of Assembling	USA/UK/EU or equivalent	Italy
Operating voltage	415V	415V
Max permissible operating voltage	460V	460V
Operating Frequency	50Hz	50Hz
Busbar Material	Solid Copper	Solid Copper
Rated current for bus	1500Amps	1500Amps
Number of bus bars	4 (L1, L2, L3 & PE)	4 (L1, L2, L3 & PE)
Busbar Size (sqmm)	Size including brand & origin Mentioned by Bidder	1x3x30x10 Brand – Profital Srl Origin – Italy
Degree of protection of Bus bar chamber	IP41	IP41
Short circuit withstand current of Busbar	50kA	50kA
Maximum peak current of Bus bar	112kA	112kA



LT Enclosure/Panel(Compartmentalized)	Size, Brand & Model mentioned by bidder (Siemens /ABB /Eaton / Schneider or equivalent)	Size: 2200mmX2400mm x 600mm Brand: SIEMENS Model: SIVACON S8; Compartmentalized
LT Enclosure Origin	USA/UK/EU or equivalent	Germany
Degree of protection of Enclosure/Panel	IP41	IP41
Spacing Factor	Form 2B or better	Form 2B
Rated impulse withstand voltage	8kV	8kV
Rated insulation voltage	1000V	1000V
Short circuit withstand current	50KA	50KA
Safety Class	I	I
Over Voltage Category	IV	IV
Pollution degree	3	3
Max. permissible current	1.5 x rated current	1.5 x rated current
Capacitance tolerances	-5% to +10%	-5% to +10%
Foil/Foil test voltage	AC test with 2.15 x rated voltage	AC test with 2.15 x rated voltage
Foil/enclosure test voltage	3KV	3KV
Cooling	Self-cooled	Self-cooled
PF Control Relay		
Brand, Model and Origin (Siemens /ABB /Eaton / Schneider/Frako or equivalent from USA/UK/EU)	mentioned by Bidder with auxiliary components * Catalog need to be submitted	SIEMENS SIEMENS 4RB Germany
Standard	IEC 61010-1	IEC 61010-1
Rated Voltage	200V to 690V	200V to 690V
Supply Voltage	230(±10%)	230(±10%)
Rated frequency	50Hz	50Hz
Consumption	Mentioned by Bidder	<10VA
No of steps	12	12
Step function ratio	Variable	Variable
Response time (increase)	30 second	30 second
Response time (decrease)	3 second	3 second
C/K value	Automatic adjusted in the controller range	Automatic adjusted in the controller range
Protection class	IP54 (front) and IP20(rear)	IP54 (front) and IP20(rear)
Connection	Wire terminals	Wire terminals
Ambient temp	40° C	40° C
Display	Multifunctional LCD (Graphic & Alphanumeric)	Multifunctional LCD (Graphic & Alphanumeric)
Display parameters	Real time Cos phi(PF), Apparent current(A), Measuring circuit Voltage(V), Active power(KW), Apparent power(KVA), Reactive power actual(KVAR), Frequency, Individual capacitor currents, Target Cos phi, Kvar value of target Cos phi, Temperature, harmonics up to 19 th	Real time Cos phi(PF), Apparent current(A), Measuring circuit Voltage(V), Active power(KW), Apparent power(KVA), Reactive power actual(KVAR), Frequency, Individual capacitor currents, Target Cos phi, Kvar value of target Cos phi, Temperature, harmonics up to 19 th
Alarm	Insufficient compensation, Overcompensation, Overcurrent, Thermal, exceeded Compensation, Undercurrent, Harmonics	Insufficient compensation, Overcompensation, Undercurrent, Overcurrent, Thermal, Harmonics





Magnetic Contactor:		
Operating Voltage	415V	415V
Operating Frequency	50Hz	50Hz
Standard	IEC 60947	IEC 60947
Insulation rating	750 Volt(minimum)	750 Volt
Ambient temperature	25°C to 55°C	25°C to 55°C
Coil Voltage tolerances	0.85 to 1.1 times rated control voltage	0.85 to 1.1 times rated control voltage
Switching frequency in make/ break operations per hour when switching on to discharged capacitors	90	90
40 Amps or better auto TP magnetic contactor with AC-6b duty	Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU) * Catalog need to be submitted	SIEMENS Capacitor contactor, AC-6b; 3RT Germany
80 Amps or better auto TP magnetic contactor with AC-6b duty	Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU) * Catalog need to be submitted	SIEMENS Capacitor contactor, AC-6b; 3RT Germany
160 Amps or better auto TP magnetic contactor with AC-6b duty	Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU) * Catalog need to be submitted	SIEMENS Capacitor contactor, AC-6b; 3RT Germany
Capacitor Bank		
Operating Voltage	415V	415V
Operating Frequency	50Hz	50Hz
Standard	IEC 60831	IEC 60831
Discharge Coil	suitable for discharging of capacitor banks	suitable for discharging of capacitor banks in
25 KVAR TP power capacitor bank with built in/separate discharge coil for connection directly with line through MCCB.	in less than 5 second Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider/ Frako or equivalent from USA/UK/EU) * Catalog need to be submitted	Frako LKT SERIES Origin - Germany
25 KVAR, TP power capacitor bank with built in / separate discharge Coil.	Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider/ Frako or equivalent from USA/UK/EU) * Catalog need to be submitted	Frako LKT SERIES Origin - Germany
50 KVAR, 50 Hz TP power capacitor bank with built in/separate discharge Coil.	Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider/ Frako or equivalent from USA/UK/EU) * Catalog need to be submitted	Frako LKT SERIES Origin - Germany
100 KVAR, 50 Hz TP power capacitor bank with built in/separate discharge coil.	Brand, Model & Origin mentioned by Bidder	Frako LKT SERIES Origin - Germany





	(Siemens /ABB /Eaton / Schneider/ Frako or equivalent from USA/UK/EU) * Catalog need to be submitted	
MCCB		
415V, 50 A, 36KA, TP MCCB.	Brand, Model & Origin mentioned by Bidder with auxiliary components (Siemens /ABB/Eaton/Schneider or equivalent from USA/UK/EU)	SIEMENS 3VA1 Czech Republic
415V, 100 A, 36KA, TP MCCB.	Brand, Model & Origin mentioned by Bidder with auxiliary components (Siemens /ABB/Eaton/Schneider or equivalent from USA/UK/EU)	SIEMENS 3VA1 Czech Republic
415V, 200 A, 36KA, TP MCCB.	Brand, Model & Origin mentioned by Bidder with auxiliary components (Siemens /ABB /Eaton /Schneider or equivalent from USA/UK /EU)	SIEMENS 3VA1 Czech Republic
Dimension of Switchgear (HxWxD)	Mentioned by bidder	2200mmX2400mm x 600mm





Specifications Submission and Compliance Sheet (Form PG3-5)

Invitation for Tender No:

20/mymensingh/SST/2020-32

Date:

11/06/2020

Tender Package No: Tender Lot No: N/A

Package Description:

Single

N/A

Lot Description:

Single

Instruction to fill-up:

*To be filled up by the Tenderer & Manufacturer in letterhead pad with appropriate data as per manufacturer specification, otherwise the tender shall be rejected.

* Must mention specific value/data model, brand & origin as per manufacturer offered model specification; should not write complied or as per required/specification, as it is not GTP rather specification submission sheet.(Page 91-140)

*All incoming & outgoing ACB of LT Panel shall be installed in single enclosure/cubicle.

Item No. 22 FLOOR DISTRIBUTION BOARD (FDB): 22.1 FDB Panel-1:

Description	Bangladesh Banks Requirement	Tenderers offered Specification
Brand and Model (Siemens /ABB /Eaton / Schneider or equivalent)	Mentioned by bidder	Brand: SIEMENS Model: SIVACON S8
Manufacturing Standard	ISO 9001, ISO 14001, OHSAS 18001, Seismic Test(Enclosure) & IEC 61439-1/2, Type test from KEMA/CESI/ASTA or equivalent EU lab	ISO 9001, ISO 14001, OHSAS 18001, Seismic Test (Enclosure) & IEC 61439-2, Type test from ASTA. Certificate Submitted
Country of Origin & Manufacturing (LT Enclosure & Components):	USA/UK/EU or equivalent	Germany
Name & Address of Assembling (with e-mail) plant	Mentioned by bidder	Manufacturer: SIEMENS AG, Leipzig, Germany. Assembling Plant: CEG ELETTRONICA INDUSTRIALE SpA Via Nave 11, 52011 Bibbiena (AR) Italy Email: sales.intercompany@cegspa.com SIEMENS LICENSE
Country of Assembling	USA/UK/EU or equivalent	Italy
Operating voltage	415V	415V
Operating Frequency	50Hz	50Hz
Busbar Material	Solid Copper	Solid Copper
Rated current for bus	1000Amps	1000Amps
Number of bus bars	5 (L1, L2, L3, N&PE)	5 (L1, L2, L3, N&PE)
Busbar Size (sqmm)	Size including brand & origin Mentioned by Bidder	1x2x20x10 Brand – Profital Srl Origin – Italy
Degree of protection of Bus bar chamber	IP41	IP41
Short circuit withstand current of Bus	35kA	35kA
Maximum peak current of Bus bar	72kA	72kA
LT	12RA	Size: 2300 mmX1000mmX 600mm
Enclosure/Panel(Compartmentalized)	Size, Brand & Model mentioned by bidder	Brand: SIEMENS



	(Siemens /ABB /Eaton / Schneider or equivalent)	Model: SIVACON S8; Compartmentalized
LT Enclosure Origin	USA/UK/EU or equivalent	Germany
Degree of protection of Enclosure/Panel	IP41	IP41
Spacing Factor	Form 3B or better	Form 3B
Rated impulse withstand voltage	8KV	8KV
Rated insulation voltage	1000V	1000V
Short circuit withstand current	35KA	35KA
Safety Class	I	I
Over Voltage Category	IV	IV
Pollution degree	3	3
Indicating lamps ON/OFF/TRIP:	Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider or	SIEMENS 3SU Origin - Czech Republic
Voltage Indicating lamps	equivalent from USA/UK/EU) Brand, Model & Origin mentioned by	
Red/Blue/Yellow	Bidder	SIEMENS 3SU
	(Siemens /ABB /Eaton / Schneider or	Origin - Czech Republic
	equivalent from USA/UK/EU)	Origin - Czech Kepublic
Incoming		
1X500A, 50KA, 4P-MCCB with		Brand: SIEMENS
microprocessor based Electronic Tripping Unit(LSI), built in adjustable overload & adjustable short circuit & instantaneous	Brand, Model & Origin mentioned by	Model: 3VA2463-5HN42-0AA0 Complete with ETU350 (LSI), ON-OFF & Trip indicating auxiliary with indicating
protection, ON-OFF & Trip indicating auxiliary contacts, rotary handle with pad lock facilities,	Bidder with auxiliary components (Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU)	Lamp, rotary handle, and pad lock facilities Origin: Czech Republic
provision for data management interface module, diagnostic &	* Catalog need to be submitted	Origin. Czech Republic
parameterization software etc and suitable for 1no NYY cable		
Connection.		
3 nos. Current Transformer with	Brand, Model & Origin mentioned by	IMEITALY
adequate ratio, accuracy and burden.	Bidder	CT600/5A
	* Catalog need to be submitted	Italy
1No- Digital Multi-function meter	Brand, Model & Origin mentioned by	
with Power Analyzer and Data	Bidder	PAC4200
Logger:	(Siemens /ABB /Eaton / Schneider or	Hungary
e	equivalent from USA/UK/EU) * Catalog need to be submitted	
Function/ Feature	Voltage: Phase-phase / phase-neutral,	Voltage: Phase-phase / phase-neutral, Current:
Tunonom Toutaro	Current: Per phase and neutral, (kW, kVAR,	Per phase and neutral, (kW, kVAR, kVA, PF):
	kVA, PF): Per phase & total, Frequency: 45	Per phase & total, Frequency: 45 to 62Hz,
	to 62Hz, THD for voltage and current: per	THD for voltage and current: per Phase,
	Phase, Individual harmonics: up to 63 rd for	Individual harmonics: up to 63 rd for V&I, Min.
	V&I, Min. / max. values, Avg value &	/ max. values, Avg value & Demand
	Demand calculation for all component, Digital I/P & O/P	calculation for all component, Digital I/P & O/P
Communication	RJ45 port integrated	RJ45 port integrated





Event logging	4000 or more	4000
Accuracy class	0.2	0.2
Graphical Display	Yes	Yes
Impulse withstand voltage	> 9.5 kV (1.2/50 μs)	> 9.5 kV (1.2/50 μs)
Power Supply	95~240 V AC (50 Hz) & 110~340 V DC	95~240 V AC (50 Hz) & 110~ 340 V DC
RS485 port:	Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider from USA/UK/EU) * Catalog need to be submitted	SIEMENS 7KM9300-0AM00-0AA0 Hungary
1x Surge Protective Device (100KA)(Type 1+2) with 160A 4P-MCCB (36KA) with built in adjustable overload & adjustable short circuit protection.	Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider from USA/UK/EU) * Catalog need to be submitted	Brand: SIEMENS Model: MCCB- 3VA1116-4EF32-0AA0 With related auxiliary, indication & SPD: 5SD7444-1 Origin: MCCB- Czech Republic & SPD: Germany
Outgoing		
2X320A, 50KA, TP-MCCB with microprocessor based Electronic Tripping Unit(LSI), built in adjustable overload & adjustable short circuit & instantaneous protection, auxiliary contacts, rotary handle with pad lock facilities, provision for data management interface module	Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU) * Catalog need to be submitted)	Brand: SIEMENS Model: 3VA2440-5HN32-0AA0 Complete with ETU350 (LSI), rotary handle, and pad lock facilities Origin: Czech Republic
1X200A, 36KA, TP MCCB with built in adjustable overload & adjustable short circuit protection, rotary handle with padlocking facilities & box terminals.	Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU) * Catalog need to be submitted	Brand: SIEMENS Model: 3VA1220-4EF32-0AA0 Complete with TM240, rotary handle, and pad lock facilities. Origin: Czech Republic
1X100, 36KA, TP MCCB with built in adjustable overload & adjustable short circuit protection, rotary handle with padlocking facilities & box terminals.	Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU) * Catalog need to be submitted	Brand: SIEMENS Model: 3VA1110-4EF36-0AA0 Complete with TM240, rotary handle, and pad lock facilities. Origin: Czech Republic
1X63, 36KA, TP MCCB with built in adjustable overload & adjustable short circuit protection, rotary handle with padlocking facilities & box terminals.	Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU) * Catalog need to be submitted	Brand: SIEMENS Model: 3VA1163-4EF36-0AA0 Complete with TM240, rotary handle, and pad lock facilities. Origin: Czech Republic
		2300 mmX1000mmX 600mm
Dimension of Switchgear (HxWxD)	Mentioned by bidder	





Item no. 22.2 FDB Panel-2:

Description	Bangladesh Banks Requirement	Tenderers offered Specification
Brand and Model (Siemens /ABB /Eaton / Schneider or equivalent)	Mentioned by bidder	Brand: SIEMENS Model: SIVACON S8
Manufacturing Standard	ISO 9001, ISO 14001, OHSAS 18001, Seismic Test(Enclosure) & IEC 61439-1/2, Type test from KEMA/CESI/ASTA or equivalent EU lab	ISO 9001, ISO 14001, OHSAS 18001, Seismic Test (Enclosure) & IEC 61439-2, Type test from ASTA. Certificate Submitted
Country of Origin & Manufacturing (LT Enclosure & Components):	USA/UK/EU or equivalent	Germany
Name & Address of Assembling(with e-mail) plant	Mentioned by bidder	Manufacturer: SIEMENS AG, Leipzig, Germany. Assembling Plant: CEG ELETTRONICA INDUSTRIALE SpA Via Nave 11, 52011 Bibbiena (AR) Italy Email: sales.intercompany@cegspa.com SIEMENS LICENSE
Country of Assembling	USA/UK/EU or equivalent	Italy
Operating voltage	415V	415V
Operating Frequency	50Hz	50Hz
Busbar Material	Solid Copper	Solid Copper
Rated current for bus	1000Amps	1000Amps
Number of bus bars	5 (L1, L2, L3, N&PE)	5 (L1, L2, L3, N&PE)
Busbar Size (sqmm)	Size including brand & origin Mentioned by Bidder	1x2x20x10 Brand – Profital Srl Origin – Italy
Degree of protection of Bus bar chamber	IP41	IP41
Short circuit withstand current of Bus bar	35kA	35kA
Maximum peak current of Bus bar	72kA	72kA
LT	Size, Brand & Model mentioned by bidder	Size: 2200mmX1000mmX600mm
Enclosure/Panel(Compartmentalized)	(Siemens /ABB /Eaton / Schneider or	Brand: SIEMENS
	equivalent)	Model: SIVACON S8; Compartmentalized
LT Enclosure Origin	USA/UK/EU or equivalent	Germany
Degree of protection of Enclosure/Panel	IP41	IP41
Spacing Factor	Form 3B or better	Form 3B
Rated impulse withstand voltage	8KV	8KV
Rated insulation voltage	1000V	1000V
Short circuit withstand current	35KA	35KA
Safety Class	I	I
Over Voltage Category	IV	IV
Pollution degree	3	3
Indicating lamps ON/OFF/TRIP :	Brand, Model & Origin mentioned by	SIEMENS
manufaction of the state of the	Bidder	3SU





	(Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU)	Origin - Czech Republic
Voltage Indicating lamps	Brand, Model & Origin mentioned by Bidder	SIEMENS
Red/Blue/Yellow	(Siemens / ABB / Eaton / Schneider or equivalent	3SU
	from USA/UK/EU)	Origin - Czech Republic
Incoming		D 1 CVEN CENTS
1X500A, 50KA, 4P-MCCB with microprocessor based Electronic Tripping Unit(LSI), built in adjustable overload & adjustable short circuit & instantaneous protection, ON-OFF & Tripindicating auxiliary contacts, rotary handle with pad lock facilities, provision for data management interface module, diagnostic & parameterization software etc and suitable for Ino NYY cable Connection.	Brand, Model & Origin mentioned by Bidder with auxiliary components (Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU) * Catalog need to be submitted	Brand: SIEMENS Model: 3VA2463-5HN42-0AA0 Complete with ETU350 (LSI), ON-OFF & Trip indicating auxiliary with indicating Lamp, rotary handle, and pad lock facilities Origin: Czech Republic
2nos. Current Transformer with	Brand, Model & Origin mentioned by	IMEITALY
adequate ratio, accuracy and burden.	Bidder	CT600/5A
adequate ratio, accuracy and burden.	* Catalog need to be submitted	Italy
1No- Digital Multi-function meter	Brand, Model & Origin mentioned by	SIEMENS
with Power Analyzer and Data	Bidder	PAC4200
Logger:	(Siemens /ABB /Eaton / Schneider or	Hungary
Loggett	equivalent from USA/UK/EU)	gy
	* Catalog need to be submitted	
Function/ Feature	Voltage: Phase-phase / phase-neutral, Current: Per phase and neutral, (kW, kVAR, kVA, PF): Per phase & total, Frequency: 45 to 62Hz, THD for voltage and current: per Phase, Individual harmonics: up to 63 rd for V&I, Min. / max. values, Avg value & Demand calculation for all component, Digital I/P & O/P	Voltage: Phase-phase / phase-neutral, Current: Per phase and neutral, (kW, kVAR, kVA, PF): Per phase & total, Frequency: 45 to 62Hz, THD for voltage and current: per Phase, Individual harmonics: up to 63 rd for V&I, Min. / max. values, Avg value & Demand calculation for all component, Digital I/P & O/P
Communication	RJ45 port integrated	RJ45 port integrated
Event logging	4000 or more	4000
Accuracy class	0.2	0.2
Graphical Display	Yes	Yes
Impulse withstand voltage	> 9.5 kV (1.2/50 μs)	> 9.5 kV (1.2/50 μs)
Power Supply	95~240 V AC (50 Hz) & 110~ 340 V DC	95~240 V AC (50 Hz) & 110~ 340 V DC
RS485 port:	Brand, Model & Origin mentioned by	SIEMENS
	Bidder	7KM9300-0AM00-0AA0
	(Siemens /ABB /Eaton / Schneider from	Hungary
	USA/UK/EU)	
1 0 7	* Catalog need to be submitted	D d. CIEMENIC
1x Surge Protective Device	Brand, Model & Origin mentioned by	Brand: SIEMENS
(100KA)(Type 1+2) with 160A	Bidder	Model: MCCB- 3VA1116-4EF42-0AA0
4P-MCCB (36KA) with built in	(Siemens /ABB /Eaton / Schneider from	With related auxiliary, indication & SPD: 5SD7444-1
adjustable overload & adjustable	USA/UK/EU) * Catalog need to be submitted	Origin: MCCB- Czech Republic &
short circuit protection.	Catalog need to be sublifited	SPD: Germany





Outgoing		
1X200A, 36KA, TP MCCB with	Brand, Model & Origin mentioned by	Brand: SIEMENS
microprocessor based Electronic	Bidder	
Tripping Unit(LI), built in adjustable	(Siemens /ABB /Eaton / Schneider or	Model: 3VA2225-4HL32-0AA0
overload & adjustable short circuit &	equivalent from USA/UK/EU)	Complete with ETU320 (LI), rotary handle,
instantaneous protection, rotary	* Catalog need to be submitted)	and pad lock facilities
handle with pad lock facilities and		Ovining Const. Donahlia
suitable for Ino NYY cable Connection.		Origin: Czech Republic
1X160A, 36KA, TP MCCB with built	Brand, Model & Origin mentioned by	Brand: SIEMENS
in adjustable overload & adjustable	Bidder	Dialid. SIEWENO
short circuit protection, rotary handle	(Siemens /ABB /Eaton / Schneider or	Model: 3VA1116-4EF32-0AA0
with padlocking facilities & box	equivalent from USA/UK/EU) * Catalog	Complete with TM240, rotary handle, and pad
terminals.	need to be submitted	lock facilities.
		Origin: Czech Republic
6X100A, 36KA, TP MCCB with	Brand, Model & Origin mentioned by	Brand: SIEMENS
microprocessor based Electronic	Bidder	
Tripping Unit(LI), built in adjustable	(Siemens /ABB /Eaton / Schneider or	Model: 3VA2010-4HL32-0AA0
overload & adjustable short circuit &	equivalent from USA/UK/EU) * Catalog	Complete with ETU320 (LI), rotary handle,
instantaneous protection, rotary	need to be submitted	and pad lock facilities
handle with pad lock facilities and		0:: 0 1 0 11:
suitable for Ino NYY cable		Origin: Czech Republic
Connection.	Months and healthday	2200mmV1000mmV600mm
Dimension of Switchgear (HxWxD)	Mentioned by bidder	2200mmX1000mmX600mm





Item no. 22.3 FDB Panel-3:

Description	Bangladesh Banks Requirement	Tenderers offered Specification
Brand and Model	Mentioned by bidder	Tenderers offered Specification
(Siemens / ABB / Eaton / Schneider or	Withholled by bidder	Brand: SIEMENS
equivalent)		Model: SIVACON S8
	ISO 9001, ISO 14001, OHSAS 18001,	ISO 9001, ISO 14001, OHSAS 18001
Manufacturing Standard	Seismic Test(Enclosure) & IEC 61439-1/2,	Seismic Test (Enclosure) & IEC 61439-2
	Type test from KEMA/CESI/ASTA or	Type test from ASTA. Certificate
Country of Origin & Manufacturing	equivalent EU lab	Submitted
(LT Enclosure & Components):	USA/UK/EU or equivalent	Germany
Name & Address of Assembling(with	Mentioned by bidder	Manufacturer: SIEMENS AG, Leipzig,
e-mail) plant		Germany.
		Assembling Plant: CEG ELETTRONICA
		INDUSTRIALE SpA
		Via Nave 11, 52011 Bibbiena (AR) Italy
		Email: sales.intercompany@cegspa.com
		SIEMENS LICENSE
Country of Assembling	USA/UK/EU or equivalent	Italy
Operating voltage	415V	415V
Operating Frequency	50Hz	50Hz
Busbar Material Rated current for bus	Solid Copper	Solid Copper
Number of bus bars	600Amps	600Amps
Busbar Size (sqmm)	5 (L1, L2, L3, N&PE)	5 (L1, L2, L3, N&PE)
Busbar Size (sqriiii)	Size including brand & origin Mentioned by Bidder	1x25x10
	Bidder	Brand – Profital Srl Origin – Italy
Degree of protection of Bus bar	IP41	IP41
chamber		1141
Short circuit withstand current of Bus	25kA	35kA
bar		
Maximum peak current of Bus bar	52kA	72kA
LT	Size, Brand & Model mentioned by bidder	Size: 2200mmX1000mmX600mm
Enclosure/Panel(Compartmentalized)	(Siemens / ABB / Eaton / Schneider or	Brand: SIEMENS
ITTE I O''	equivalent)	Model: SIVACON S8; Compartmentalized
LT Enclosure Origin	USA/UK/EU or equivalent	Germany
Degree of protection of	IP41	IP41
Enclosure/Panel		
Spacing Factor	Form 3B or better	Form 3B
Rated impulse withstand voltage	8KV	8KV
Rated insulation voltage	1000V	1000V
Short circuit withstand current	25KA	35KA
Safety Class	I	I
Over Voltage Category	IV	IV
Pollution degree	3	3



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Indicating lamps ON/OFF/TRIP:	Brand, Model & Origin mentioned by Bidder	SIEMENS
	(Siemens / ABB / Eaton / Schneider or	3SU
Waltaga Indicating lawns	equivalent from USA/UK/EU)	Origin - Czech Republic
Voltage Indicating lamps Red/Blue/Yellow	Brand, Model & Origin mentioned by Bidder	SIEMENS
Red/Blue/ Yellow	(Siemens / ABB / Eaton / Schneider or	3SU
Incoming	equivalent from USA/UK/EU)	Origin - Czech Republic
Incoming 1X320A, 50KA, 4P MCCB with	Brond Model & Origin would and I	D I CIEMENIC
microprocessor based Electronic	Brand, Model & Origin mentioned by Bidder with auxiliary components	Brand: SIEMENS
Tripping Unit(LSI), built in adjustable	Bidder with auxiliary components (Siemens /ABB /Eaton / Schneider or	Model: 3VA2440-5HN42-0AA0
overload & adjustable short circuit &	equivalent from USA/UK/EU)	Complete with ETU350 (LSI), ON-OFF &
instantaneous protection, ON-OFF &	* Catalog need to be submitted	Trip indicating auxiliary with indicating
Trip indicating auxiliary contacts,	catalog need to be submitted	Lamp, rotary handle, and pad lock facilities
rotary handle with pad lock facilities		Earlip, rotary handle, and pad lock facilities
and suitable for Ino NYY cable		Origin: Czech Republic
Connection.		origini ozoon republic
3 nos. Current Transformer with	Brand, Model & Origin mentioned by Bidder	IMEITALY
adequate ratio, accuracy and burden.	* Catalog need to be submitted	CT400/5A
	U	Italy
1No- Digital Multi-function meter	Brand, Model & Origin mentioned by Bidder	SIEMENS
with Power Analyzer and Data	(Siemens /ABB /Eaton / Schneider or	PAC4200
Logger:	equivalent from USA/UK/EU)	Hungary
9600000	* Catalog need to be submitted	
Function/ Feature	Voltage: Phase-phase / phase-neutral,	Voltage: Phase-phase / phase-neutral,
	Current: Per phase and neutral, (kW, kVAR,	Current: Per phase and neutral, (kW, kVAR,
	kVA, PF): Per phase & total, Frequency: 45	kVA, PF): Per phase & total, Frequency: 45
	to 62Hz, THD for voltage and current: per	to 62Hz, THD for voltage and current: per
	Phase, Individual harmonics: up to 63 rd for	Phase, Individual harmonics: up to 63 rd for
	V&I, Min. / max. values, Avg value &	V&I, Min. / max. values, Avg value &
	Demand calculation for all component,	Demand calculation for all component,
	Digital I/P & O/P	Digital I/P & O/P
Communication	RJ45 port integrated	RJ45 port integrated
Event logging	4000 or more	4000
Accuracy class	0.2	0.2
Graphical Display	Yes - 0.5 LV (1.2/50)	Yes
Impulse withstand voltage	> 9.5 kV (1.2/50 µs)	> 9.5 kV (1.2/50 μs)
Power Supply	95~240 V AC (50 Hz) & 110~ 340 V DC	95~240 V AC (50 Hz) & 110~ 340 V DC
RS485 port:	Brand, Model & Origin mentioned by Bidder	SIEMENS
	(Siemens /ABB /Eaton / Schneider from	7KM9300-0AM00-0AA0
W	USA/UK/EU)	Hungary
1x Surge Protective Device	* Catalog need to be submitted	December of CUENCENC
	Brand, Model & Origin mentioned by Bidder	Brand: SIEMENS
(100KA)(Type 1+2) with 160A 4P-MCCB (36KA) with built in	(Siemens /ABB /Eaton / Schneider from	Model: MCCB- 3VA1116-4EF42-0AA0
adjustable overload & adjustable short	USA/UK/EU) * Catalog need to be submitted	With related auxiliary, indication &
circuit protection.	Catalog field to be subliffied	SPD: 5SD7444-1 Origin: MCCB- Czech Republic &
eneun protection.		SPD: Germany
Outgoing		of D. Germany
1X200A, 36KA, TP MCCB with	Brand, Model & Origin mentioned by Bidder	Brand: SIEMENS
microprocessor based Electronic	(Siemens /ABB /Eaton / Schneider or	Diana. Oldividivo
Tripping Unit(LI), built in adjustable	equivalent from USA/UK/EU)	Model: 3VA2225-4HL32-0AA0
overload & adjustable short circuit &	* Catalog need to be submitted)	THE STATE OF THE S
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	Complete with ETU320 (LI), rotary handle,
	and pad lock facilities
	Origin: Czech Republic
Brand, Model & Origin mentioned by Bidder	Brand: SIEMENS
(Siemens /ABB /Eaton / Schneider or	
equivalent from USA/UK/EU)	Model: 3VA2116-4HL32-0AA0
	Complete with ETU320 (LI), rotary handle,
C	and pad lock facilities
	r
	Origin: Czech Republic
Brand, Model & Origin mentioned by Bidder	Brand: SIEMENS
,	Model: 3VA2010-4HL32-0AA0
	Complete with ETU320 (LI), rotary handle,
	and pad lock facilities
	Origin: Czech Republic
Brand, Model & Origin mentioned by Bidder	Brand: SIEMENS
(Siemens /ABB /Eaton / Schneider or	Simple of the Harden control of the entitle of the Control of the
equivalent from USA/UK/EU)	Model: 3VA1163-4EF36-0AA0
* Catalog need to be submitted	Complete with TM240, rotary handle, and
	pad lock facilities
	•
	Origin: Czech Republic
Brand, Model & Origin mentioned by Bidder	Brand: SIEMENS
(Siemens /ABB /Eaton / Schneider or	
equivalent from USA/UK/EU)	Model: 3VA1132-4EF36-0AA0
* Catalog need to be submitted	Complete with TM240, rotary handle, and
	pad lock facilities
	Origin: Czech Republic
Mentioned by bidder	2200mmX1000mmX600mm
	(Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU) * Catalog need to be submitted Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU) * Catalog need to be submitted Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU) * Catalog need to be submitted Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU) * Catalog need to be submitted





Item No. 22.4 FDB Panel AC:

Description	Bangladesh Banks Requirement	Tenderers offered Specification
Brand and Model	Mentioned by bidder	Tenderers offered Specification
(Siemens /ABB /Eaton / Schneider or	Mentioned by bidder	Brand: SIEMENS
equivalent)		Model: SIVACON S8
	ISO 9001, ISO 14001, OHSAS 18001,	700 0001 700 1111
Manufacturing Standard	Seismic Test(Enclosure) & IEC 61439-1/2,	ISO 9001, ISO 14001, OHSAS 18001,
	Type test from KEMA/CESI/ASTA or	Seismic Test (Enclosure) & IEC 61439-2, Type test from ASTA. Certificate Submitted
	equivalent EU lab	Type test from ASTA. Certificate Submitted
Country of Origin & Manufacturing (LT Enclosure & Components):	USA/UK/EU or equivalent	Germany
Name & Address of Assembling(with	Mentioned by bidder	
e-mail) plant	Mentioned by bidder	Manufacturer: SIEMENS AG, Leipzig, Germany.
o man) plane		Assembling Plant: CEG ELETTRONICA
		INDUSTRIALE SpA
		Via Nave 11, 52011 Bibbiena (AR) Italy
		Email: sales.intercompany@cegspa.com
		SIEMENS LICENSE
Country of Assembling	USA/UK/EU or equivalent	Italy
Operating voltage	415V	415V
Operating Frequency	50Hz	50Hz
Busbar Material Rated current for bus	Solid Copper	Solid Copper
Number of bus bars	600Amps 5 (L1, L2, L3, N&PE)	600Amps
Busbar Size (sqmm)	Size including brand & origin Mentioned by	5 (L1, L2, L3, N&PE) 1x25x10
Busoar Size (sqiiiii)	Bidder	Brand – Profital Srl
	Biddol	Origin – Italy
Degree of protection of Bus bar	IP41	IP41
chamber		
Short circuit withstand current of Bus	35kA	35kA
bar		
Maximum peak current of Bus bar	72kA	72kA
LT	Size, Brand & Model mentioned by bidder	2200mmX2000mmX600mm
Enclosure/Panel(Compartmentalized)	(Siemens /ABB /Eaton / Schneider or	SIEMENS
LT Factor O	equivalent)	SIVACON S8
LT Enclosure Origin	USA/UK/EU or equivalent	Germany
Degree of protection of	IP41	ID41
Enclosure/Panel	11 41	IP41
Spacing Factor	Form 3B or better	Form 3B
Rated impulse withstand voltage	8KV	8KV
Rated insulation voltage	1000V	1000V
Short circuit withstand current	35KA	35KA
	**	JJKA
Safety Class	I	I
Over Voltage Category	IV	IV
Pollution degree	3	3





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Indicating lamps ON/OFF/TRIP:	Brand, Model & Origin mentioned by	SIEMENS
	Bidder	3SU
	(Siemens / ABB / Eaton / Schneider or	Origin - Czech Republic
	equivalent from USA/UK/EU)	
Voltage Indicating lamps	Brand, Model & Origin mentioned by	SIEMENS
Red/Blue/Yellow	Bidder	3SU
	(Siemens / ABB / Eaton / Schneider or	Origin - Czech Republic
	equivalent from USA/UK/EU)	
Incoming		
1X320A, 50KA, 4P MCCB with	Brand, Model & Origin mentioned by	Brand: SIEMENS
microprocessor based Electronic	Bidder with auxiliary components	
Tripping Unit(LSI), built in adjustable	(Siemens /ABB /Eaton / Schneider or	Model: 3VA2440-5HN42-0AA0
overload & adjustable short circuit &	equivalent from USA/UK/EU)	Complete with ETU350 (LSI), ON-OFF &
instantaneous protection, ON-OFF &	* Catalog need to be submitted	Trip indicating auxiliary with indicating
Trip indicating auxiliary contacts, rotary		Lamp, rotary handle, and pad lock facilities
handle with pad lock facilities and		
suitable for 1no NYY cable Connection.		Origin: Czech Republic
3 nos. Current Transformer with	Brand, Model & Origin mentioned by Bidder	IMEITALY
adequate ratio, accuracy and burden.	* Catalog need to be submitted	CT400/5A
		Italy
Digital Multi-function meter with	Brand, Model & Origin mentioned by Bidder	SIEMENS
Power Analyzer:	(Siemens /ABB /Eaton / Schneider or	PAC3200
*	equivalent from USA/UK/EU)	Hungary
	* Catalog need to be submitted	
Function/ Feature	Voltage: Phase-phase / phase-neutral,	Voltage: Phase-phase / phase-neutral,
	Current: Per phase and neutral, (kW, kVAR,	Current: Per phase and neutral, (kW, kVAR,
	kVA, PF): Per phase & total, Frequency: 45	kVA, PF): Per phase & total, Frequency: 45 to
	to 63Hz, THD indication: V & I, Min/Max &	63Hz, THD indication: V & I, Min/Max &
	Average Value Measure, Universal counter,	Average Value Measure, Universal counter,
	Accuracy class: 0.5s, Set point	Accuracy class: 0.5s, Set point monitoring(V,
	monitoring(V, I, power, VAR, VA, Freq.	I, power, VAR, VA, Freq. THD, PF), Phase
	THD, PF), Phase unbalance: V/I, RJ45 port.	unbalance: V/I, RJ45 port. Digital I/P & O/P
	Digital I/P & O/P	
Display	95~240V AC (±10%) / 110~340V DC	95~240V AC (±10%) / 110~340V DC
	(±10%)	(±10%)
Power supply	Background-illuminated graphic LCD	Background-illuminated graphic LCD
Text displays	Multilingual	Multilingual
RS485 port:	Brand, Model & Origin mentioned by Bidder	SIEMENS
-	(Siemens /ABB /Eaton / Schneider from	7KM9300-0AM00-0AA0
	USA/UK/EU)	Hungary
	* Catalog need to be submitted	900 01
1x Surge Protective Device	Brand, Model & Origin mentioned by Bidder	Brand: SIEMENS
(100KA)(Type 1+2) with 160A	(Siemens /ABB /Eaton / Schneider from	Model: MCCB- 3VA1116-4EF42-0AA0
4P-MCCB (36KA) with built in	ÙSA/UK/EU)	With related auxiliary, indication &
adjustable overload & adjustable short	* Catalog need to be submitted	SPD: 5SD7444-1
circuit protection.	0	Origin: MCCB- Czech Republic &
•		SPD: Germany
Outgoing		
1X100A, 36KA, TP MCCB with	Brand, Model & Origin mentioned by Bidder	Brand: SIEMENS
microprocessor based Electronic	The second secon	termination and the description of the control of t



Tripping Unit(LI), built in adjustable overload & adjustable short circuit & instantaneous protection, rotary handle with pad lock facilities and suitable for 1no NYY cable Connection. 8X63A, 36KA, TP MCCB with microprocessor based Electronic	(Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU) * Catalog need to be submitted) Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider or	Model: 3VA2010-4HL32-0AA0 Complete with ETU320 (LI), rotary handle, and pad lock facilities Origin: Czech Republic Brand: SIEMENS Model: 3VA2063-4HL32-0AA0
Tripping Unit(LI), built in adjustable overload & adjustable short circuit & instantaneous protection, rotary handle with pad lock facilities and suitable for Ino NYY cable Connection	equivalent from USA/UK/EU) * Catalog need to be submitted	Complete with ETU320 (LI), rotary handle, and pad lock facilities
2X32A, 36KA, TP MCCB with built in adjustable overload & adjustable short circuit protection, rotary handle with padlocking facilities & box terminals.	Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU) * Catalog need to be submitted	Brand: SIEMENS Model: 3VA1132-4EF36-0AA0 Complete with TM240, rotary handle, and pad lock facilities
Dimension of Switchgear (HxWxD)	Mentioned by bidder	2200mmX2000mmX600mm





Item No. 22.5 FDB Server:

Description	Bangladesh Banks Requirement	Tenderers offered Specification
Brand and Model (Siemens /ABB /Eaton / Schneider or equivalent)	Mentioned by bidder	Brand: SIEMENS Model: SIVACON S8
Manufacturing Standard	ISO 9001, ISO 14001, OHSAS 18001, Seismic Test(Enclosure) & IEC 61439-1/2, Type test from KEMA/CESI/ASTA or equivalent EU lab	ISO 9001, ISO 14001, OHSAS 18001 Seismic Test (Enclosure) & IEC 61439-2 Type test from ASTA. Certificate Submitted
Country of Origin & Manufacturing (LT Enclosure & Components):	USA/UK/EU or equivalent	Germany
Name & Address of Assembling(with e-mail) plant	Mentioned by bidder	Manufacturer: SIEMENS AG, Leipzig, Germany. Assembling Plant: CEG ELETTRONICA INDUSTRIALE SpA Via Nave 11, 52011 Bibbiena (AR) Italy Email: sales.intercompany@cegspa.com
		SIEMENS LICENSE
Country of Assembling	USA/UK/EU or equivalent	Italy
Operating voltage	415V	415V
Operating Voltage Operating Frequency	50Hz	50Hz
Busbar Material	Solid Copper	Solid Copper
Rated current for bus	400Amps	400Amps
Number of bus bars	5 (L1, L2, L3, N&PE)	5 (L1, L2, L3, N&PE)
The state of the s		
Busbar Size (sqmm)	Size including brand & origin Mentioned by Bidder	1x20x10 Brand – Profital Srl Origin – Italy
Degree of protection of Bus bar chamber	IP41	IP41
Short circuit withstand current of Bus bar	25kA	35kA
Maximum peak current of Bus bar	52kA	72kA
LT Enclosure/Panel(Compartmentalized)	Size, Brand & Model mentioned by bidder (Siemens /ABB /Eaton / Schneider or	Size: 2200mmX1000mmX500mm Brand: SIEMENS
LT Enclosure Origin	equivalent) USA/UK/EU or equivalent	Model: SIVACON S8; Compartmentalized Germany
Degree of protection of Enclosure/Panel	IP41	IP41
Spacing Factor	Form 3B or better	Form 3B
Rated impulse withstand voltage	8KV	8KV
Rated insulation voltage	1000V	1000V
Short circuit withstand current	25KA	35KA
Safety Class	1	I
Over Voltage Category	IV	IV
Pollution degree	3	3
Indicating lamps ON/OFF/TRIP:	Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU)	SIEMENS 3SU Origin - Czech Republic





Voltage Indicating lamps Red/Blue/Yellow	Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU)	SIEMENS 3SU Origin - Czech Republic
Incoming		Total Committee
IX200A, 50KA, 4P MCCB with microprocessor based Electronic Tripping Unit(LSI), built in adjustable overload & adjustable short circuit & instantaneous protection, ON-OFF & Trip indicating auxiliary contacts, rotary handle with pad lock facilities and suitable for 1no NYY cable Connection.	Brand, Model & Origin mentioned by Bidder with auxiliary components (Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU) * Catalog need to be submitted	Brand: SIEMENS Model: 3VA2325-5HN42-0AA0 Complete with ETU350 (LSI), ON-OFF & Trip indicating auxiliary with indicating Lamp, rotary handle, and pad lock facilities Origin: Czech Republic
3 nos. Current Transformer with adequate ratio, accuracy and burden.	Brand, Model & Origin mentioned by Bidder * Catalog need to be submitted	IMEITALY CT250/5A Italy
1No- Digital Multi-function meter with Power Analyzer and Data Logger:	Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU) * Catalog need to be submitted	SIEMENS PAC4200 Hungary
Function/ Feature	Voltage: Phase-phase / phase-neutral, Current: Per phase and neutral, (kW, kVAR, kVA, PF): Per phase & total, Frequency: 45 to 62Hz, THD for voltage and current: per Phase, Individual harmonics: up to 63 rd for V&I, Min. / max. values, Avg value & Demand calculation for all component, Digital I/P & O/P	Voltage: Phase-phase / phase-neutral, Current: Per phase and neutral, (kW, kVAR, kVA, PF): Per phase & total, Frequency: 45 to 62Hz, THD for voltage and current: per Phase, Individual harmonics: up to 63 rd for V&I, Min. / max. values, Avg value & Demand calculation for all component, Digital I/P & O/P
Communication	RJ45 port integrated	RJ45 port integrated
Event logging	4000 or more	4000
Accuracy class	0.2	0.2
Graphical Display	Yes	Yes
Impulse withstand voltage	> 9.5 kV (1.2/50 μs)	> 9.5 kV (1.2/50 μs)
Power Supply	95~240 V AC (50 Hz) & 110~ 340 V DC	95~240 V AC (50 Hz) & 110~ 340 V DC
RS485 port:	Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider from USA/UK/EU) * Catalog need to be submitted	SIEMENS 7KM9300-0AM00-0AA0 Hungary
1x Surge Protective Device (100KA)(Type 1+2) with 160A 4P-MCCB (36KA) with built in adjustable overload & adjustable short circuit protection.	Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider from USA/UK/EU) * Catalog need to be submitted	Brand: SIEMENS Model: MCCB- 3VA1116-4EF42-0AA0 With related auxiliary, indication & SPD: 5SD7444-1 Origin: MCCB- Czech Republic & SPD: Germany
Outgoing 1X100A, 50KA, 4P MCCB with microprocessor based Electronic Tripping Unit(LSI), built in adjustable overload & adjustable short circuit & instantaneous protection, ON-OFF & Trip indicating auxiliary contacts, rotary handle with pad lock facilities	Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU) * Catalog need to be submitted)	Brand: SIEMENS Model: 3VA2110-5HN42-0AA0 Complete with ETU350 (LSI), ON-OFF & Trip indicating auxiliary with indicating Lamp, rotary handle, and pad lock facilities



and suitable for Ino NYY cable Connection.		Origin: Czech Republic
5X63A, 36KA, TP MCCB with microprocessor based Electronic	Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider or	Brand: SIEMENS
Tripping Unit(LI), built in adjustable overload & adjustable short circuit & instantaneous protection, rotary handle with pad lock facilities and suitable for Ino NYY cable Connection.	equivalent from USA/UK/EU) * Catalog need to be submitted	Model:3VA2063-4HL32-0AA0 Complete with ETU320 (LI), rotary handle, and pad lock facilities Origin: Czech Republic
Dimension of Switchgear (HxWxD)	Mentioned by bidder	2200mmX1000mmX500mm

