



SAYED ELECTRIC & CO.

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

সৈয়দ ইলেকট্রিক এন্ড কোং

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

Ref: SM/WO/BB/MYM/03/2021.

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: 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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ও বিশেষ শ্রেণীর সরকারী ঠিকাদার

Ref:

Date :

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:
 - i) 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.
 - iv) 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.

FINANCIAL OFFER

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

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

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 (as per attached technical specifications)	Set	6,228,738.00	1.00	6,228,738.00
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 (as per attached technical specifications)	Set	2,885,000.00	1.00	2,885,000.00
4)	Gen. Sync Panel (As per attached technical specification)	Set	5,770,002.00	1.00	5,770,002.00
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 : BDT Twenty-Nine Million Two Hundred and Fifty-Nine Thousand Nine Hundred Only.

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 Bus bar	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, Undercurrent, Overcurrent, Thermal, Harmonics exceeded	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 in less than 5 second	suitable for discharging of capacitor banks in less than 5 second
25 KVAR TP power capacitor bank with built in/separate discharge coil for connection directly with line through MCCB.	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


 Elettrotecnica Industriale SpA

Signature with Seal (Tenderer)

Signature with Seal (Manufacturer/Assembler)



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. 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 bar	35kA	35kA
Maximum peak current of Bus bar	72kA	72kA
LT Enclosure/Panel(Compartmentalized)	Size, Brand & Model mentioned by bidder	Size: 2300 mmX1000mmX 600mm 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 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		
1X500A, 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, provision for data management interface module, diagnostic & parameterization software etc 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: 3VA2463-5HN42-0AA0 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 CT600/5A 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- 3VA1116-4EF32-0AA0 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
Dimension of Switchgear (HxWxD)	Mentioned by bidder	2300 mmX1000mmX 600mm

Signature with Seal (Tenderer)
Signature with Seal (Manufacturer/Assembler)


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 Enclosure/Panel(Compartmentalized)	Size, Brand & Model mentioned by bidder (Siemens /ABB /Eaton / Schneider or equivalent)	Size: 2200mmX1000mmX600mm 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 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 3SU



	(Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU)	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		
1X500A, 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, provision for data management interface module, diagnostic & parameterization software etc 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: 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 adequate ratio, accuracy and burden.	Brand, Model & Origin mentioned by Bidder * Catalog need to be submitted	IMEITALY CT600/5A 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 μ s)	> 9.5 kV (1.2/50 μ s)
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		
1X200A, 36KA, TP MCCB with microprocessor based Electronic 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.	Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU) * Catalog need to be submitted)	Brand: SIEMENS Model: 3VA2225-4HL32-0AA0 Complete with ETU320 (LI), rotary handle, and pad lock facilities Origin: Czech Republic
1X160A, 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: 3VA1116-4EF32-0AA0 Complete with TM240, rotary handle, and pad lock facilities. Origin: Czech Republic
6X100A, 36KA, TP MCCB with microprocessor based Electronic 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.	Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU) * Catalog need to be submitted	Brand: SIEMENS Model: 3VA2010-4HL32-0AA0 Complete with ETU320 (LI), rotary handle, and pad lock facilities Origin: Czech Republic
Dimension of Switchgear (HxWxD)	Mentioned by bidder	2200mmX1000mmX600mm


 Elettrotecnica Industriale SpA

Signature with Seal (Tenderer)
Signature with Seal (Manufacturer/Assembler)


Item no. 22.3 FDB Panel-3:

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	600Amps	600Amps
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	1x25x10 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 equivalent)	Size: 2200mmX1000mmX600mm 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 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



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		
1X320A, 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: 3VA2440-5HN42-0AA0 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 CT400/5A 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 μ s)	> 9.5 kV (1.2/50 μ s)
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		
1X200A, 36KA, TP MCCB with microprocessor based Electronic Tripping Unit(LI), built in adjustable overload & adjustable short circuit &	Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU) * Catalog need to be submitted)	Brand: SIEMENS Model: 3VA2225-4HL32-0AA0



instantaneous protection, rotary handle with pad lock facilities and suitable for 1no NYY cable Connection.		Complete with ETU320 (LI), rotary handle, and pad lock facilities Origin: Czech Republic
2X160A, 36KA, TP MCCB with microprocessor based Electronic 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.	Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU) * Catalog need to be submitted	Brand: SIEMENS Model: 3VA2116-4HL32-0AA0 Complete with ETU320 (LI), rotary handle, and pad lock facilities Origin: Czech Republic
2X100A, 36KA, TP MCCB with microprocessor based Electronic 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.	Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU) * Catalog need to be submitted	Brand: SIEMENS Model: 3VA2010-4HL32-0AA0 Complete with ETU320 (LI), rotary handle, and pad lock facilities Origin: Czech Republic
2X63A, 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
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 Origin: Czech Republic
Dimension of Switchgear (HxWxD)	Mentioned by bidder	2200mmX1000mmX600mm


 Elettronica Industriale SpA

Signature with Seal (Tenderer)

Signature with Seal (Manufacturer/Assembler)



Item No. 22.4 FDB Panel AC:

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	600Amps	600Amps
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	1x25x10 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 Enclosure/Panel(Compartmentalized)	Size, Brand & Model mentioned by bidder (Siemens /ABB /Eaton / Schneider or equivalent)	2200mmX2000mmX600mm SIEMENS SIVACON S8
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 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		
1X320A, 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: 3VA2440-5HN42-0AA0 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 CT400/5A Italy
Digital Multi-function meter with Power Analyzer:	Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU) * Catalog need to be submitted	SIEMENS PAC3200 Hungary
Function/ Feature	Voltage: Phase-phase / phase-neutral, Current: Per phase and neutral, (kW, kVAR, kVA, PF): Per phase & total, Frequency: 45 to 63Hz, THD indication: V & I, Min/Max & Average Value Measure, Universal counter, Accuracy class: 0.5s, Set point monitoring(V, I, power, VAR, VA, Freq. THD, PF), Phase unbalance: V/I, RJ45 port. 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 63Hz, THD indication: V & I, Min/Max & Average Value Measure, Universal counter, Accuracy class: 0.5s, Set point monitoring(V, I, power, VAR, VA, Freq. THD, PF), Phase unbalance: V/I, RJ45 port. Digital I/P & O/P
Display	95~240V AC (±10%) / 110~340V DC (±10%)	95~240V AC (±10%) / 110~340V DC (±10%)
Power supply	Background-illuminated graphic LCD	Background-illuminated graphic LCD
Text displays	Multilingual	Multilingual
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, 36KA, TP MCCB with microprocessor based Electronic	Brand, Model & Origin mentioned by Bidder	Brand: SIEMENS



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.	(Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU) * Catalog need to be submitted)	Model: 3VA2010-4HL32-0AA0 Complete with ETU320 (LI), rotary handle, and pad lock facilities Origin: Czech Republic
8X63A, 36KA, TP MCCB with microprocessor based Electronic 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	Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU) * Catalog need to be submitted	Brand: SIEMENS Model: 3VA2063-4HL32-0AA0 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


 Elettrotecnica Industriale SpA

Signature with Seal (Tenderer)

Signature with Seal (Manufacturer/Assembler)



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 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)
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 equivalent)	Size: 2200mmX1000mmX500mm 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 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
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		
1X200A, 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 μ s)	> 9.5 kV (1.2/50 μ s)
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 1no NYY cable Connection.		Origin: Czech Republic
5X63A, 36KA, TP MCCB with microprocessor based Electronic 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.	Brand, Model & Origin mentioned by Bidder (Siemens /ABB /Eaton / Schneider or equivalent from USA/UK/EU) * Catalog need to be submitted	Brand: SIEMENS 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

Signature with Seal (Tenderer)

Signature with Seal (Manufacturer/Assembler)

