

14 & 16SWG Sheet steel fabricated 11KV indoor metal enclosed switchgear.
This medium voltage switchgear panel shall be used for secondary distribution sub-station upto 12KV & suitable for an ambient temperature of 45 deg.C and rated rupture capacity of 350MVA complete with all accessories, diagrams, levels, wirings & terminals.

Technical Data :

Service voltage : 12KV
Rated voltage : 11KV
Rated current of circuit breaker : 630A

Insulation level :

Impulse withstand voltage 1.2/50 micro-sec. : 75KV (Peak)

Power frequency withstand voltage/1 min. : 28KV rms.

The equipment proposed under this offer has been designed, manufactured & tested in accordance with the following applicable IEC standards.

- common clause for high voltage switchgear standards	: IEC 694
- high voltage switchgear in metallic enclosure	: IEC 298
- high voltage ac circuit breakers	: IEC 56
- ac switches and earthing switches	: IEC 129
- high voltage switches	: IEC 265
- high voltage combined switch/fuse for ac current	: IEC 420
- current transformers	: IEC 185
- voltage transformers	: IEC 186
- high voltage fuses	: IEC 282
- control monitoring	: IEC 801

The switchgear panels shall comprise of :

630A, 12KV, 20KA, 50Hz triple pole, Fixed type vacuum circuit breaker with motor/manually operated spring charged mechanism with tripping coil & auxiliary contacts.	Set	1
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Protection, Measurement and control unit :

Microprocessor based Protection unit having	Set	1
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- Overcurrent (ANSI code 50/51) &

- Earth fault (50N/51N) protection

The tripping characteristics of the protection unit shall be of IDMT nature with a setting possibility to IDMT & different tripping curves.

Ampere Meter (0-150A) with Selector Switch	Set	1
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Voltmeter (0-15)KV with Selector Switch	Set	1
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6A TP MCB for PT secondary protection.	Set	1
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ON/OFF Push button.	Set	1
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Indicating Lamp	Pcs	5
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Panel Heater with thermostat	Set	1
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VCB Brand : Schneider / ABB

IDMT Relay Brand : ABB

Shipan Barua

To: Abusieed Sobuj; 'Habibur Rahman'
Cc: manwar@cross-world.com
Subject: RE: New Panel Requirement_GP Switch Bogura

From: Md. Shahidul Islam Tower & Infra Operations Technology <mdshahidul@grameenphone.com>
Sent: Saturday, August 14, 2021, 3:17 PM
To: Ariful Islam
Cc: Mohammad Ashiqur Rahaman Tower & Infra Operations Technology; Harunor Rashid; Md. Ziaul Islam; Rahat Fahim Manwar
Subject: Re: New Panel Requirement_GP Switch Bogura

Dear Arif Bhai,

Please proceed.

BR// Shahidul

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From: Md. Ariful Islam <ariful@cross-world.com>
Sent: Saturday, August 14, 2021 2:49:35 PM
To: Md. Shahidul Islam Tower & Infra Operations Technology <mdshahidul@grameenphone.com>
Cc: Mohammad Ashiqur Rahaman Tower & Infra Operations Technology <ashiqur.rahman@grameenphone.com>; 'Harunor Rashid' <harunor@cross-world.com>; zia@cross-world.com <zia@cross-world.com>; manwar@cross-world.com <manwar@cross-world.com>
Subject: New Panel Requirement_GP Switch Bogura

Dear Shoihidul Bhai ,

As per discussion with you , please be informed that , Pricing of HT Panel will be Taka 525,000 ; excluding CT & PT up gradation which is already included in previous PO. Please find attached technical specification in this regard . In addition , also be informed that , our offered pricing is inclusive of AIT & excluding of VAT .

Waiting for your mail confirmation in this regard .

Best Regards,

Ariful Islam | **CROSS WORLD POWER LTD** | Manager , Sales | | Plot 1/B, Road 90, Gulshan - 2, Dhaka 1212, Bangladesh | p: +880 2 5881 1858, 989 1442 | f: +880 2 5881 5160 | m: +8801755-514731, 01917-702 131 | e: ariful@cross-world.com | w: www.cross-world.com

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