

## Shipan Barua

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

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**From:** Md. Shahidul Islam Tower & Infra Operations Technology <[mdshahidul@grameenphone.com](mailto: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](mailto:ariful@cross-world.com)>  
**Sent:** Saturday, August 14, 2021 2:49:35 PM  
**To:** Md. Shahidul Islam Tower & Infra Operations Technology <[mdshahidul@grameenphone.com](mailto:mdshahidul@grameenphone.com)>  
**Cc:** Mohammad Ashiqur Rahaman Tower & Infra Operations Technology <[ashiqur.rahman@grameenphone.com](mailto:ashiqur.rahman@grameenphone.com)>; 'Harunor Rashid' <[harunor@cross-world.com](mailto:harunor@cross-world.com)>; [zia@cross-world.com](mailto:zia@cross-world.com) <[zia@cross-world.com](mailto:zia@cross-world.com)>; [manwar@cross-world.com](mailto:manwar@cross-world.com) <[manwar@cross-world.com](mailto: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](mailto:ariful@cross-world.com) | w: [www.cross-world.com](http://www.cross-world.com)

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Sensitivity: Internal

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 :**

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

Microprocessor based Protection unit having	Set	1
- 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
Voltmeter (0-15)KV with Selector Switch	Set	1
6A TP MCB for PT secondary protection.	Set	1
ON/OFF Push button.	Set	1
Indicating Lamp	Pcs	5
Panel Heater with thermostat	Set	1

**VCB Brand : Schneider / ABB**

**IDMT Relay Brand : ABB**