### **Habibur Rahman**

From: Ashim Kumar Roy <ashim.roy@summitcommunications.net>

Wednesday, April 04, 2018 12:12 PM Sent:

'Md. Ariful Islam' To:

Cc: 'Habibur Rahman Javed'; moazzem@cross-world.com; 'Rafi Vai'; miraj@cross-

world.com; 'Kowshik Mushfiqur Rahman'

Subject: RE: Dg Installation BOQ FOR UTTARA SITE

### Dear Concern,

At the above BoQ line item 1.2 & 1,4 will be supplied by SCL. On the other hand line item 6.1 will be omitted fully and go forward with rest of the items.

## Thanks with regards **Ashim Roy**

From: Md. Ariful Islam [mailto:ariful@cross-world.com]

Sent: Sunday, April 01, 2018 8:59 PM

**To:** ashim.roy@summitcommunications.net

Cc: 'Habibur Rahman Javed'; moazzem@cross-world.com; Rafi Vai; miraj@cross-world.com

Subject: Dg Installation BOQ FOR UTTARA SITE

Dear Concern,

Please find attached file.

BR

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@crossworld.com | w: www.cross-world.com



please consider the environment before printing this email

From: Habibur Rahman [mailto:habib@cross-world.com]

Sent: Sunday, April 01, 2018 6:45 PM

To: ariful@cross-world.com Cc: <a href="mailto:shipan@cross-world.com">shipan@cross-world.com</a>

Subject: RE:

## Sincerely,

Md. Habibur Rahman | CROSS WORLD POWER LTD | Manager, Customer Relations | House 1/B, Road 90, Gulshan-2 Dhaka 1212, Bangladesh | Cell: +88 (02) 01755514711, p: +880 2 5881 1858, 989 1442 | f: +880 2 5881 5160 e: habib@cross-world.com | w: www.cross-world.com

# CROSS WORLD POWER LIMITED BOO OF 1 X 100kVA GENERATOR INSTALLATION

\*\* All the necessary civil works will be done by client with the instruction of CWPL engineer.



Client Name : Summit Communications Ltd. Address : Uttara Core. Date: 01.04.18 Gen Model: Engine Model: Alternator Model: SI No Job Description Tehcnical Details/ Brand SOS Quantity Unit Rate Total Rate Remarks Unit ELECTRICAL INSTALLATION 4X1CX50rm NYY DG to ATS As per client, already done. ATS location will be Generator Power Cable (35 °C Ambient on air ) 4X1CX50rm NYY MDB to ATS N/A Meter(Approx) 4X1CX50rm NYY ATS to Load (3rd Floor) adjacent to DG. 1.3 Power Cable Lugs 50 rm , Material -Copper , Surface-Electro Tinned N/A Pcs 1.5 PVC Tape Adhesive Tape 04 color (Red/Yellow/Black/Blue) Pcs 8 26 208 Out of WO 1.6 PIB Tape Pcs 388 388 As per WO. 1.7 Cable Tie 153 As per WO. Pack 1 153 GENERATOR EARTHING SYSTEM 2 Earthing of electrical installation with 38.1 mm (1.5") dia G.I. pipe throughly (2swg earth electrode) having 6.35 mm dia holes across dia at 305 mm interval securedly bonded with As per client, already 2.1 Earthing Boring Job washer, nuts, bolts etc. sunk upto a depth of 100 ft with GI done. pipe to attain earth ressistance <1 ohm including blind socket for water pouring facility. N/A Installation of solid copper wire earthing lead 2SWG in 38.1 Qty. depends upon the Earthing Copper Lead Meter(Approx) 22 mm dia GI pipe & termination of connection at both end . boring location. Dimension LXWXD - 20mm X 5mm or equivalent with Earhting Block 2.3 connection facility 1 X 16rm BYA(Green) from Earting Copper bar to gen & 2.4 Earthing Cable Meter(Approx) 5 150 751 Out of WO 2.5 Earth cable lugs 16 rm ,Material -Copper , Surface-Electro Tinned Pcs 12 48 Out of WO 4 3 EXHAUST SYSTEM Out of WO. As per layout. Qty. Exhaust Silencer straight Pipe (As per layout) MS Pipe bore 4", thickness 3~4mm 15 492 7,380 depends upon the Feet(Approx) Silencer Exhaust Fume Discharge Point. 3.2 Reducer 3" by 4" Pcs 797 797 Out of WO 797 3,188 Out of WO Exhaust Bends/Elbow Long radius 90 deg MS L bow 4" bore 3-4mm 3.3 Pcs 4 Welding neck flange 4" dia Pcs 10 580 5,800 Out of WO 3.4 Exhaust Flange Insulation Of Pipe with Rockwool/Glasswool (25.4mm min Exhaust Heat Insulation 1 6,154 6,154 Out of WO Job thickness) along with 26SWG Aluminium sheet clading. All bracket, support must be made with MS angle 50X50X Exhasut Fitting 1 4,784 4,784 Out of WO 3.6 Job 4, MM with necessary fixings. COOLING SYSTEM 4 As per layout with 20/22 SWG MS sheet, Angle bar, flat bar As per client, radiator hot support, Canvas cloth, iron net mesh etc. 4.1 Radiator Ducting Sq-ft(Approx) N/A air will be discharged in Duct dimension (WXD)ft- (2.4X2.2)ft, Running Length, L-DG Room. N/A ft (Approx.) 5 COMMISSIONING MATERIAL Free with DG Sale Radiator Premix Coolant Liter (Approx.) 15 Free with DG Sale 5.2 Lube oil SAE 15 W 40 Liter (Approx.) 10 5.3 Battery electrolyte Specific gravity 1250 Free with DG Sale Liter (Approx.) 10 6 On Site Delivery CIVIL WORKS: Proposed DG Base Dimension (LXW)ft- (11.5X4.5)ft, Client DG Base construction/Modification Job 1 Depth, D-6 Inch RCC with NCF. As per client, Already Wall Breaking needed for Silencer pipe Done. 7.2 Dimension (WXH)inch- (6X6)inch Client 1 Job extension Total TK (Excl VAT & AIT) 29,651