

CROSS WORLD POWER LIMITED
BOQ OF 30 KVA GENERATOR

CLIENT - AL-ARAFA ISLAMI BANK

ADDRESS-BASHUNDHARA

DATE- 08-11-17

GEN MODEL-

ENGINE MODEL-

ALTERNATOR MODEL-

ELECTRICAL INSTALLATIONS

| SL NO | JOB DESCRIPTION | TECHNICAL DETAILS/ BRAND | SCOPE OF SUPPLY | UOM | QTY | UNIT RATE | TOTAL RATE | REMARKS |
|-------|-------------------------------------|--|-----------------|--------------|-----|-----------|------------|--|
| 1 | Electrical System: | | | | | | | |
| 1.1 | Power Cable (35 °C Ambient on air) | 4C-10 rm NYY DG To ATS | | Meter (Appx) | 26 | 520 | 13,520 | 1. ATS Position is Not Fixed Cable qty may change upon laying route & ATS Position |
| 1.2 | | 4C-10 rm NYY Mains To ATS | | Meter (Appx) | 5 | 520 | 2,600 | |
| 1.3 | | 4C-10 rm NYY ATS to Load | | Meter (Appx) | 5 | 520 | 2,600 | |
| 1.4 | Power Cable Lugs | 10 rm , Material -Copper , Surface-Electro Tinned | | Pcs | 26 | 10 | 260 | Deed |
| 1.5 | Control cable For Sensing | 4 X 1.2 rm (40/0.19 mm)Flexible Cable | | Meter (Appx) | 56 | 95 | 5,320 | |
| 1.6 | PVC Flexible pipe | 1.5"Ø | | Meter (Appx) | 30 | 66 | 1,980 | Deed |
| 1.7 | Saddle for Flexible pipe | 1.5" Ø Local | | Pcs | 30 | 7 | 210 | Deed |
| 1.8 | Royal Plug & Screw | 10 No. & 1" star | | Pack | 2 | 145 | 290 | Deed |
| 1.9 | PVC Tape | Adhesive Tape 04 color (Red/Yellow/Black/Blue) | | Pcs | 4 | 28 | 112 | Deed |
| 1.10 | Royal Bolt | 10 no. | | Pcs | 10 | 30 | 300 | Deed |
| 1.11 | Cable Tie | L - 10"/12 " | | Pack | 1 | 150 | 150 | Deed |
| 2 | Generator Earthing : | | | | | | | |
| 2.1 | Earthing Boring | Earthing of electrical installation with 38.1 mm (1.5") dia G.I. pipe (earth electrode) having 6.35 mm dia holes across the dia at 305 mm interval securedly bonded with washer, nuts, bolts etc. sunk upto a depth of 100 ft to attain earth resistance <1 ohm including blind socket for water pouring facility. | | Job | 1 | 13,500 | 13,500 | Deed Earthing Boring Considered Adjacent to DG Room |
| 2.2 | Earthing Copper Lead | Installation of solid copper wire earthing lead 2 SWG in 38.1 mm dia GI pipe & termination of connection at both end . | | Meter | 35 | 575 | 20,125 | |
| 2.3 | Earthing Block | Dimension LXWXD - 250mm X 30mm X 3mm with connection facility | | Pcs | 1 | 2,500 | 2,500 | Deed |
| 2.4 | Earthing Cable | 1 X 6 rm BYA (Green) from Earthing Copper bar to gen & equipment | | Meter | 5 | 70 | 350 | Deed |
| 2.5 | Earthing Cable lugs | 6 rm Material -Copper , Surface-Electro Tinned | | Pcs | 6 | 9 | 54 | Deed |
| 3 | Exhaust System: | | | | | | | |
| 3.1 | Exhaust Silencer straight Pipe | MS Pipe bore 2" ,thickness 3-4mm | | Feet(Appx) | 8 | 405 | 3,240 | Deed |
| 3.2 | Exhaust Bends /Elbow | Long radius 90 deg L bow | | Pcs | 1 | 470 | 470 | Deed |
| 3.3 | Exhaust Socket/Flange | Threaded 2"dia MS Socket | | Pcs | 2 | 330 | 660 | Deed |
| 3.4 | Exhaust Heat Insulation | Insulation Of Pipe with Rockwool/Glasswool (25.4mm min thickness) along with 26 SWG Aluminium sheet cladding. | | Job | 1 | 3,500 | 3,500 | Deed |
| 3.5 | Exhasut Fitting | All bracket, support must be made with MS angle 50X50X 4, flat bar etc | | Job | 1 | 4,000 | 4,000 | Deed |
| 04 | Cooling System: | | | | | | | |
| 4.1 | Radiator Ducting | As per layout with 20/22 SWG MS sheet,Angle bar, flat bar support,Canvas cloth, iron net mesh etc | | Sq-ft | N/A | | | |
| 5 | Commissioning Material: | | | | | | | |
| 5.1 | Radiator coolant | Havoline Premix Coolent | | Liter | 10 | | - | Included in DG sales. |
| 5.2 | Lube oil | SAE 15 W 40 | | Liter | 10 | | - | |
| 5.3 | Battery electrolyte | Specific gravity 1250 | | Liter | 10 | | - | |
| 06 | DG On site delivery: | | | | | | | |
| 6.1 | Loading /Unloading/Lifting | Generator dry weight-2600 Kg | CWPL | Job | 1 | | - | |
| 07 | Civil works: | | | | | | | |
| 7.1 | Generator foundation | Dimension L X W - | | Job | N/A | | | |

30 meter have in Deed.
Extra will be individual
billable= 6x520=3120/=.

Total (BDT) Incl VAT & AIT:

75,741

Deed Approved

110,000

Extra Billable (6metr x 520 tk):

3,120

Handwritten signature and date: 09/11/2017