

## CROSS WORLD POWER LIMITED

## BOQ OF 1X30 KVA GENERATOR

Cross-world



CLIENT:

ADDRESS- Norshingdi, Dhaka

DATE: 7/1/2021

| 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 ) | 4CX16 rm NYY (DG to ATS)<br>4CX16 rm NYY (Mains to ATS)<br>4CX16 rm NYY (ATS to Load)                            |                 | Meter | 7   | 948       |            | Quantity may vary depending on ATS, LT location |
| 1.2                            | Power Cable Lugs                    | 16 rm , Material -Copper , Surface-Electro Tinned                                                                |                 | Pcs   | 26  | 11        |            |                                                 |
| 1.3                            | Control cable For Sensing           | 4 X 1.2 rm (40/0.19 mm)Flexible Cable                                                                            |                 | Meter | 16  | 90        |            |                                                 |
| 1.4                            | PVC flexible pipe                   | 1.5"Ø                                                                                                            |                 | Meter | 40  | 39        |            |                                                 |
| 1.5                            | Saddle for PVC flexible pipe        | 1.5"Ø                                                                                                            |                 | Pcs   | 40  | 5         |            |                                                 |
| 1.6                            | Royal Plug & Screw                  | 1.5" length                                                                                                      |                 | Pack  | 2   | 171       |            |                                                 |
| 1.7                            | PVC Tape                            | Adhesive Tape 04 color (Red/Yellow/Black/Blue)                                                                   |                 | Pcs   | 8   | 29        |            |                                                 |
| 1.8                            | Royal Bolt                          | 10 no.                                                                                                           |                 | Pcs   | 10  | 18        |            |                                                 |
| 1.9                            | Cable Tie                           | L - 8"                                                                                                           |                 | Pack  | 2   | 138       |            |                                                 |
| 1.10                           | Cable Laying Charge                 | 4CX16 rm NYY                                                                                                     |                 | Meter | 39  | 59        |            |                                                 |
| 2                              | Generator Earthing :                |                                                                                                                  |                 |       |     |           |            |                                                 |
| 2.1                            | Earthing Boring                     | 100 rft                                                                                                          |                 | Job   | 1   | 7,237     |            |                                                 |
| 2.2                            | Earthing Copper Lead                | 4 SWG for Boring & Termination                                                                                   |                 | Meter | 43  | 262       |            | Quantity may vary depending on pit location     |
| 2.3                            | GI Pipe (Boring)                    | 38mm dia                                                                                                         |                 | Meter | 7   | 483       |            |                                                 |
| 2.4                            | Earthing Block                      | Dimension LXWxD - 200mm X 30mm X 4mm with connection facility                                                    |                 | Pc    | 1   | 1,974     |            |                                                 |
| 2.5                            | Earthing Cable                      | 1 X 10 rm BYA (Green ) from Earthing Copper bar to gen & equipment                                               |                 | Meter | 5   | 122       |            |                                                 |
| 2.6                            | Earthing Cable lugs                 | 10 rm Material -Copper , Surface-Electro Tinned                                                                  |                 | Pcs   | 6   | 8         |            |                                                 |
| 3                              | Exhaust System:                     |                                                                                                                  |                 |       |     |           |            |                                                 |
| 3.1                            | Exhaust Silencer straight Pipe      | MS Pipe bore 3" , thickness 3-4mm                                                                                |                 | Meter | 3   | 1,726     |            |                                                 |
| 3.2                            | Exhaust Bends /Elbow                | Long radius 90 deg L bow 3"                                                                                      |                 | Pcs   | 3   | 724       |            |                                                 |
| 3.3                            | Socket                              | 3" dia                                                                                                           |                 | Pcs   | 3   | 592       |            |                                                 |
| 3.4                            | Exhaust Heat Insulation             | Insulation Of Pipe with Glasswool (25.4mm min thickness) along with 26SWG Aluminium sheet cladding.              |                 | Job   | 1   | 2,870     |            |                                                 |
| 3.5                            | Exhasut Fitting                     | All bracket , support must be made with MS angle 50X50X 4, 5 & 6 MM                                              |                 | Job   | 1   | 1,954     |            |                                                 |
| 4                              | Commissioning Material:             |                                                                                                                  |                 |       |     |           |            |                                                 |
| 4.1                            | Radiator coolant                    | Havoline Premix Coolant                                                                                          |                 | Liter | 10  | 160       |            |                                                 |
| 4.2                            | Lube oil                            | SAE 15 W 40                                                                                                      |                 | Liter | 10  | 400       |            |                                                 |
| 4.3                            | Battery electrolyte                 | Specific gravity 1250                                                                                            |                 | Liter | 10  | 90        |            |                                                 |
| 5                              | Cooling System:                     |                                                                                                                  |                 |       |     |           |            |                                                 |
| 5.1                            | Radiator Ducting                    | As per layout with 22 SWG MS sheet,Angle bar, flat bar support,Canvas cloth, Iron mesh etc WxH- 2' x 1.5', L-10' |                 | Sq-ft | 70  | 262       |            |                                                 |
| 6                              | DG On site delivery:                |                                                                                                                  |                 |       |     |           |            |                                                 |
| 6.1                            | Loading /Unloading/Lifting          | Generator dry weight-1500 Kg                                                                                     | CWPL            | Job   | 1   |           |            |                                                 |
| 7                              | CIVIL WORK:                         |                                                                                                                  |                 |       |     |           |            |                                                 |
| 7.1                            | DG Base for 30KVA DG                | Base dimension LXW(ft)=8'8"x4'4" , Depth, D- 6" RCC with NCF.                                                    | CLIENT          | Job   | 1   |           |            |                                                 |
| TOTAL TK (Excluding VAT & AIT) |                                     |                                                                                                                  |                 |       |     |           | 120,000    |                                                 |

Note: Related Civil work and Diesel Fuel for Test Run will be arranged by Client as per instruction of CWPL Engineer.

Diesel : 90 Ltr X BDT 75 → 6,750

BDT 1,26,750.00

Special Discount: BDT 6,7,50.00

BDT 1,20,000.00

accepted  
  
 07/01/2021

7/1/21.