

# CROSS WORLD POWER LIMITED BOQ OF 30 KVA GENERATOR

CLIENT - MEHMOOD PROPERTIES

ADDRESS - BASHUNDHARA

DATE- 03-08-17

| GEN MODEL- | ENGINE MODEL-                       | ALTERNATOR MODEL-                                                                                                                                                                                                                                                                                                                                                        |                 |             |     |           |            |                                                                |
|------------|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------|-----|-----------|------------|----------------------------------------------------------------|
| SL NO      | JOB DESCRIPTION                     | TECHNICAL DETAILS/ BRAND                                                                                                                                                                                                                                                                                                                                                 | SCOPE OF SUPPLY | UOM         | QTY | UNIT RATE | TOTAL RATE | REMARKS                                                        |
| 1          | Electrical System:                  |                                                                                                                                                                                                                                                                                                                                                                          |                 |             |     |           |            |                                                                |
| 11         |                                     | 4C-10 mm NYY DG To ATS                                                                                                                                                                                                                                                                                                                                                   |                 | Meter(Appx) | 28  | 650       | 18,200     | CABLE QUANTITY MAY CHANGE                                      |
| 12         | Power Cable (35 °C Ambient on air ) | 4C-10 mm NYY Mains To ATS                                                                                                                                                                                                                                                                                                                                                |                 | Meter(Appx) | 6   | 650       | 3,900      | UPON ATS POSITION. And laying                                  |
| 13         |                                     | 4C-10 mm NYY ATS to Load                                                                                                                                                                                                                                                                                                                                                 |                 | Meter(Appx) | 6   | 650       | 3,900      | route                                                          |
| 14         | Power Cable Lugs                    | 10 mm Material -Copper , Surface -Electro Tinned                                                                                                                                                                                                                                                                                                                         |                 | Pcs         | 26  | 45        | 1,170      |                                                                |
| 15         | Control cable For Sensing           | 4 X 12 mm (4C/0.19 mm)Flexible Cable                                                                                                                                                                                                                                                                                                                                     |                 | Meter(Appx) | 58  | 110       | 6,380      |                                                                |
| 16         | PVC Flexible pipe                   | 15" Ø                                                                                                                                                                                                                                                                                                                                                                    |                 | Meter(Appx) | 28  | 75        | 2,100      |                                                                |
| 17         | Saddle for Flexible pipe            | 15" Ø Local                                                                                                                                                                                                                                                                                                                                                              |                 | Pcs         | 45  | 18        | 810        |                                                                |
| 18         | Royal Plug & Screw                  | 15" length                                                                                                                                                                                                                                                                                                                                                               |                 | Pack        | 4   | 145       | 580        |                                                                |
| 19         | PVC Tape                            | Adhesive Tape 04 color (Red/Yellow/Black/Blue)                                                                                                                                                                                                                                                                                                                           |                 | Pcs         | 8   | 40        | 320        |                                                                |
| 111        | P/B Tape                            |                                                                                                                                                                                                                                                                                                                                                                          |                 | Pcs         | 1   | 600       | 600        |                                                                |
| 111        | Royal Bolt                          | 10 no.                                                                                                                                                                                                                                                                                                                                                                   |                 | Pcs         | 10  | 35        | 350        |                                                                |
| 112        | Cable Tie                           | 1 - 10"                                                                                                                                                                                                                                                                                                                                                                  |                 | Pack        | 1   | 250       | 250        |                                                                |
| 113        | Cable Laying                        | Power Cable laying under ceiling                                                                                                                                                                                                                                                                                                                                         |                 | Meter(Appx) | 37  | 55        | 2,035      |                                                                |
| 2          | Generator Earthing                  |                                                                                                                                                                                                                                                                                                                                                                          |                 |             |     |           |            |                                                                |
|            |                                     | Earthing of electrical installation with 38.1 mm (1.5") dia GI pipe throughly (2swg each electrode) having 6.35 mm dia holes across dia at 305 mm interval securedly bonded with washer, nuts, bolts etc. sunk upto a depth of 100 ft with GWP pipe to attain earth resistance -1 ohm including blind socket for water pouring facility. Boring: 100' & GI Pipe: 10'-10" |                 | Job         | 1   | 14,500    | 14,500     |                                                                |
| 21         | Earthing Boring                     |                                                                                                                                                                                                                                                                                                                                                                          |                 |             |     |           |            |                                                                |
|            |                                     | Installation of solid copper wire earthing lead 2 SWG in 38.1 mm dia GI pipe & termination of connection at both end.                                                                                                                                                                                                                                                    |                 | Meter(Appx) | 33  | 575       | 18,975     |                                                                |
| 22         | Earthing Copper Lead                |                                                                                                                                                                                                                                                                                                                                                                          |                 |             |     |           |            |                                                                |
| 23         | Earthing Block                      | Dimension L X W X D - 250mm X 10mm X 3mm with connection facility.                                                                                                                                                                                                                                                                                                       |                 | Pcs         | 1   | 2,500     | 2,500      |                                                                |
| 24         | Earthing Cable                      | 1 X 5 mm BVA (Green ) from Earthing Copper bar to gen & equipment                                                                                                                                                                                                                                                                                                        |                 | Meter       | 6   | 125       | 750        |                                                                |
| 25         | Earthing Cable lugs                 | 5 mm Material -Copper , Surface -Electro Tinned                                                                                                                                                                                                                                                                                                                          |                 | Pcs         | 6   | 25        | 150        |                                                                |
| 3          | Exhaust System:                     |                                                                                                                                                                                                                                                                                                                                                                          |                 |             |     |           |            |                                                                |
|            |                                     |                                                                                                                                                                                                                                                                                                                                                                          |                 |             |     |           |            |                                                                |
| 31         | Exhaust Sucker straight Pipe        | MS Pipe bore 2", thickness 3-4mm                                                                                                                                                                                                                                                                                                                                         |                 | Feet(Appx)  | 10  | 400       | 4,000      | QTY may vary. Client haven't confirmed exhaust discharge point |
| 32         | Exhaust Bends /Elbow                | Long radius 90 deg L bow                                                                                                                                                                                                                                                                                                                                                 |                 | Pcs         | 2   | 475       | 950        |                                                                |
| 34         | Exhaust Socket/Flange               | Threaded 2" dia MS Socket-01 pcs and 3" dia MS socket - 02 Pcs                                                                                                                                                                                                                                                                                                           |                 | Pcs         | 1   | 350       | 350        |                                                                |
| 35         | Exhaust Heat Insulation             | Insulation GI Pipe with Rockwool/Glasswool (38.1 mm min thickness) along with 26SWG Aluminium sheet cladding.                                                                                                                                                                                                                                                            |                 | Job         | 1   | 3,500     | 3,500      |                                                                |
| 36         | Exhaust Fitting                     | All bracket , support must be made with MS angle 50X50X 4, 5 & 6 MM                                                                                                                                                                                                                                                                                                      |                 | Job         | 1   | 3,750     | 3,750      |                                                                |
| 04         | Cooling System:                     |                                                                                                                                                                                                                                                                                                                                                                          |                 |             |     |           |            |                                                                |
|            |                                     |                                                                                                                                                                                                                                                                                                                                                                          |                 |             |     |           |            |                                                                |
| 41         | Cooling                             | WXH -15'X1' L -12' As per layout with 20/22 SWG MS sheet,Angle bar, flat bar support,Canvas cloth etc.                                                                                                                                                                                                                                                                   |                 | Sq-ft       | 144 | 270       | 38,880     |                                                                |
| 5          | Commissioning Material              |                                                                                                                                                                                                                                                                                                                                                                          |                 |             |     |           |            |                                                                |
| 51         | Radiator coolant                    | Hardline Premix Coolant                                                                                                                                                                                                                                                                                                                                                  |                 | Liter       | 10  | 200       | 2,000      |                                                                |
| 52         | Lube oil                            | SAE 15 W 40                                                                                                                                                                                                                                                                                                                                                              |                 | Liter       | 10  | 420       | 4,200      |                                                                |
| 53         | Battery electrolyte                 | Specific gravity 1250                                                                                                                                                                                                                                                                                                                                                    |                 | Liter       | 10  | 65        | 650        |                                                                |
| 06         | DG On site delivery                 |                                                                                                                                                                                                                                                                                                                                                                          |                 |             |     |           |            |                                                                |
| 61         | Loading /Unloading/Lifting          | Generator dry weight-2600 Kg                                                                                                                                                                                                                                                                                                                                             | CWPL            | Job         | 1   | -         | -          | Free of Cost                                                   |
| 07         | Civil works                         |                                                                                                                                                                                                                                                                                                                                                                          |                 |             |     |           |            |                                                                |
| 11         | Generator Foundation                | Dimension L X W - 9'X4'-6" Depth D- 4"                                                                                                                                                                                                                                                                                                                                   | CLIENT          | Job         | 1   | -         | -          | OVERHEAD SHED FOR DG WILL BE PROVIDED BY CLIENT                |

Total (BDT) Excl VAT & AIT: 135,750

Special Discount, Total (BDT) Excl VAT & AIT: 110,000.00

NO. 50% before delivery and 50% after commissioning.

*Tauib*  
3/10/2017