

# CROSS WORLD POWER LIMITED

## BOQ OF 20 KVA GENERATOR

CLIENT - SIBL

ADDRESS - DOHAR

DATE - 30-05-17

ENGINE MODEL-

ALTERNATOR MODEL-

GEN MODEL-

ELECTRICAL INSTALLATIONS		SCOPE OF SUPPLY	UOM	QTY	UNIT RATE	TOTAL RATE	REMARKS
SL NO	JOB DESCRIPTION	TECHNICAL DETAILS/ BRAND					
1	Electrical System:	4X10 mm NYY DG To ATS	Meter	25	520	13000	CABLE QUANTITY MAY CHANGE ON MDB & ATS POSITION.
1.1	Power Cable (35 °C Ambient on air)	4X10 mm NYY Mains To ATS	Meter	5	520	2600	
1.2		4X10 mm NYY ATS to Load	Meter	5	520	2600	
1.3		10 mm , Material -Copper , Surface-Electro Tinned	Pcs	26	26	676	
1.4	Power Cable Lugs	4 X 1.2 mm (40/0.19 mm)Flexible Cable	Meter (approx)	52	110	5720	
1.5	Control cable For Sensing	1.5" Ø	Meter (approx)	25	120	3000	
1.6	PVC Flexible pipe	1.5" Ø Local	Pcs	25	28	700	
1.7	Saddle for Flexible pipe	1.5" length	Pack	2	162	324	
1.8	Royal Plug & Screw	Adhesive Tape 04 color (Red/Yellow/Black/Blue)	Pcs	4	36	144	
1.9	PVC Tape	10 no.	Pcs	10	38	380	
1.10	Royal Bolt	L - 10 "	Pack	1	245	245	
1.11	Cable Tie		Job	1		0	LXW-6"X6"; D-10" Ceiling Punch
1.12	Cable through ceiling						
2	Generator Earthing :						
2.1	Earthing Boring	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 washer, nuts, bolts etc. sunk upto a depth of 100 ft with GIP pipe to attain earth resistance <1 ohm including blind socket for water pouring facility.	Job	1	13,500	13500	
2.2	Earthing Copper Lead	Installation of solid cooper wire earthing lead 2 SWG in 38.1 mm dia GI pipe & termination of connection at both end.	Meter (approx)	33	625	20625	
2.3	Earthing Block	Dimension LXWXD - 250mm X 10mm X 5mm with connection facility	Pcs	1	2,850	2850	
2.4	Earthing Cable	1 X 6 mm BYA (Green ) from Earthing Copper bar to gen & equipment	Meter	18	22	396	
2.5	Earthing Cable lugs	6 mm Material -Copper , Surface-Electro Tinned	Pcs	6	135	810	
3	Exhaust System:			25	550	13750	
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 2" for length 10' and 3" bore for length 15' ,thickness 3-4mm	Feet(Approx)				
3.2	Exhaust Bends /Elbow	Long radius 90 deg L bow	Pcs	3	550	1650	
3.3	Expander	2" by 3" at 10' distance	Pcs	1	410	410	
3.4	Exhaust Socket/Flange	Threaded 2"dia MS Socket-01 pcs and 3" dia MS socket - 02 Pcs	Pcs	3	410	1230	
3.5	Exhaust Heat Insulation	Insulation Of Pipe with Rockwool/Glasswool (38.1 mm min thickness) along with 26SWG Aluminium sheet cladding.	Job	1	7500	7500	
3.6	Exhasut Fitting	All bracket , support must be made with MS angle 50X50X 4, 5 & 6 MM	Job	1	7500	7500	
04	Cooling System:						
4.1	Radiator Duct	WXH - 2'X1', L - 25' As per layout with 20/22 SWG MS sheet,Angle bar, flat bar support,Canvas cloth etc	Sq-ft	150	270	40500	2'X1' wall punch will be done by client.
5	Commissioning Material:						
5.1	Radiator coolant	Havoline Premix Coolant	Liter	10	200	2000	
5.2	Lube oil	SAE 15 W 40	Liter	10	462	4620	
5.3	Battery electrolyte	Specific gravity 1250	Liter	10	65	650	
06	DG On site delivery:						
6.1	Loading /Unloading/Lifting	Generator dry weight-2600 Kg	CWPL	Job	1		0
07	Civil works:						
7.1	Generator foundation	Dimension L X W - 9'X5'-4" Depth D: 6"	Job	1			0

Total (BDT) Incl Vat & Ait:

Extra Billable above 20m Cable price (30-20)=10 meter. [10x520=5,200]

Less adjust of Silencer work (additional of 20 feet & fittings) by Power Cable.  
5 feet x850=4,250/- & Equivalent power cable = 9 m x 520 = 4,680/=

Less adjust of Radiator work (additional of 30 Sft) by Power Cable.  
120 sft x 270= 32,400/- & Equivalent power cable = 63 m x 520 = 32,760/=

Grand Total (BDT) Incl Vat & Ait:

Special Discount:

Net payable (BDT) Incl Vat & Ait:

5,200 This value will individual billable. 20 m included in sales.

4,680 This value will individual billable. 25 feet included in sales.

32,760 This value will individual billable. 30sft included in sales.

104,740

34,740

70,000

12.06.17

17/06/2017