

CROSS WORLD POWER LIMITED
BOQ OF 1x80kVA GENERATOR

ADDRESS- SAVAR

DATE- 12/04/17

GEN MODEL -		ENGINE MODEL -		ALTERNATOR MODEL -				
SL NO	JOB DESCRIPTION	TECHNICAL DETAILS/ BRAND	SOS	UOM	QTY	UNIT RATE	TOTAL RATE	REMARKS
1	Electrical System:							
1.1	Power Cable (35°C Ambient on Air)	4X35 rm NYY DG To MCOS 1		Meter (Approx.)	9	1,735	15,615	As per client, MCOS position will be adjacent to MDB. Cable qty. may changed upon the change of panel position.
		4X35 rm NYY DG To MCOS 2			9	1,735	15,615	
		4X35 rm NYY METER 1 To MCOS 1			3	1,735	5,205	
		4X35 rm NYY METER 2 To MCOS 2			3	1,735	5,205	
		4X35 rm NYY MCOS 1 To SDB 1	CLIENTS		N/A			
		4X35 rm NYY MCOS 2 To SDB 2	CLIENTS					
1.2	Power Cable Lugs	35 rm Material -Copper , Surface-Electro Tinned 25 rm Material -Copper , Surface-Electro Tinned		Pcs	52	45	2,340	
1.3	Control cable For Sensing	4 X 12 rm (40/0.19 mm)Flexible Cable		Meter (Approx.)	8	38	304	
1.4	PVC Flexible pipe	2"Ø			20	110	2,200	
1.5	Saddle for Flexible pipe	2"Ø Local		Pcs	23	250	5,750	
1.6	Royal Plug & Screw	15" length		Pcs	30	20	600	
				Pack	2	155	310	
1.7	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)		Pcs	8	40	320	
1.8	PIB Tape			Pcs	1	590	590	
1.9	Royal Bolt	10 no.		Pcs	10	35	350	
1.10	Cable Tie	L - 6"/8 "		Pack	2	250	500	
1.11	Copper Bus Bar for extension	85mm2, (30x3)mm or equivalent with proper insulation, pvc tube, connection and fixing facilities.		Pcs	3	1,850	5,550	
2	Generator Earthing :							
2.1	Earthing Boring	Earthing of electrical installation with 38.1 mm (1.5") dia GI 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. Boring 100' & GI Pipe: 10'x10'		Job	1	14,500	14,500	Qty. depends upon the boring location. Taking location of boring adjacent to DG.
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	34	585	19,890	
2.3	Earthing Block / Equipotential bar	Dimension 250mm X 30mm X 3mm with connection facility		Pc	1	2,550	2,550	
2.4	Earthing Cable	1 X 10rm BYA (Green) from Earling Copper bar to gen & equipment		Meter (Approx.)	6	225	1,350	
2.5	Earthing Cable lugs	10 rm Material -Copper , Surface-Electro Tinned		Pcs	6	30	180	
3	Exhaust System							
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 3", thickness 3-4mm		Feet(Approx)	4	625	2,500	
3.2	Exhaust Bends /Elbow	Long radius 90 deg L bow		Pcs	1	625	625	
3.3	Exhaust Socket	Threaded 3"dia MS Socket		Pcs	1	480	480	
3.4	Exhaust Heat Insulation	Insulation Of Pipe with Rockwool/Glasswool (25.4mm min thickness) along with 26swg Aluminium sheet cladding.		Job	1	3,250	3,250	
3.5	Exhasut Fitting	All bracket , support must be made with MS angle 50X50X 4, 5 & 6 MM		Job	1	3,500	3,500	
5	Commissioning Material:							
5.1	Radiator Coolant	Havoline Premixed Coolant		Liter	15	250	3,750	
5.2	Lube oil	SAE 15 W 40		Liter	10	420	4,200	
5.3	Battery electrolyte	Specific gravity 1.250		Liter	10	65	650	
5.4	Diesel Fuel for Test Run	ASTM D975 No 1-D or No 2-D		Liter	130	80	10,400	Taking 65% (Approx.) of total Fuel Tank Capacity.
6	Civil Works:							
6.1	Genset Base Foundationn	Dimension LXWxD: 12'X6', Depth, D- 12" RCC with NCF.	CLIENTS	Job	1		-	Septic Tank sand filling is mandatory before DG Base construction. (Clients will do)
7	DG Shipment at Site:							
7.1	DG shipment/ loading/unloading		CWPL	Job	1		-	Free of Cost
				Total (BDT) Excl Vat & Ait:			128,279	
				Discount			8,279	
				Total (BDT) Excl Vat & Ait:			120,000	
*** All work shall made will be done by client with CWPL engineer instruction								

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

* Payment : 100% after installation.