

CROSS WORLD POWER LIMITED BOQ OF 1X60KVA GENERATOR							Cross-world	
Client: SEBA GREEN LINE LIMITED		ADDRESS- GAZIPUR			DATE- 21/0			
SL NO	JOB DESCRIPTION	TECHNICAL DETAILS/ BRAND	SCOPE OF	UOM	QTY	UNIT	TOTAL RATE	REMARKS
1	Electrical System:							
1.1	Power Cable (35 °C Ambient on air)	4C-35 rm NYY DG To ATS	CLIENT	Meter	5	2,419		
		4C-35 rm NYY MAINS to ATS	CLIENT		5	2,419		
		4C-35 rm rm NYY ATS to LOAD	CLIENT		6	2,419		
1.2	Power Cable Lugs	35 rm , Material -Copper , Surface-Electro	CLIENT	Pcs	26	27		
1.3	Control cable For Sensing	4 X 1.2 rm (40/0.19 mm)Flexible Cable (2XDG to ATS)	CLIENT	Meter	12	118		
1.4	PVC Flexible pipe	3" dia	CLIENT	Meter	17	269		
1.5	Saddle for flexible pipe	3.5" dia local	CLIENT	pcs	17	18		
1.6	Royal Plug & Screw	1.5"	CLIENT	Pack	2	194		
1.7	PVC Tape	Adhesive Tape 04 color	CLIENT	Pcs	8	33		
1.8	Royal Bolt	10 no.	CLIENT	Pcs	10	20		
1.9	Cable Tie	L - 8"	CLIENT	Pack	3	156		
1.10	Power Cable Laying	4C-35rm NYY power cable		Meter	17	67	1,162	
2	Generator Earthing :							
2.1	Earthing Boring	100 rft	CLIENT	Job				Client already done
2.2	Earthing Copper Lead	2 SWG		Meter				
2.3	GI Pipe (Boring)	38mm dia		Meter				
2.5	Earthing Cable	1 X 16 rm BYA (Green) from Earthing Copper bar to gen & equipment		Meter				
2.4	Earthing Block	Dimension LXWxD - 200mm X 30mm X 4mm with connection facility		Pc	1	2,237	2,237	
2.6	Earthing Cable lugs	16 rm Material -Copper , Surface-Electro	CLIENT	Pcs	6	12		
3	Exhaust System:							
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 3" ,thickness 3-4mm		Meter	4	1,956	7,753	
3.2	Exhaust Bends /Elbow	Long radius 90 deg L bow 3"		Pcs	2	821	1,641	
3.3	Exhaust Socket	Threaded 3"dia MS Socket		Pcs	2	671	1,342	
3.4	Exhaust Heat Insulation with silencer box	Insulation Of Pipe with Glasswool (25.4mm min thickness) along with 26SWG Aluminium sheet cladding		Job	1	4,564	4,564	
3.6	Exhaust Fitting with silencer box	All bracket , support must be made with MS angle 50X50X 4, 5 & 6 MM	CLIENT	Job	1	3,432		
4	Cooling System:							
4.1	Radiator Ducting	As per layout with 22 SWG MS sheet,Angle bar, flat bar support,Canvas cloth etc WXH=3'X2' L=22'		Sq-ft	N/A	-	-	
5	Commissioning Material:							
5.1	Radiator coolant	Havoline premix coolant		Liter	30	170	5,100	
5.2	Lube oil	SAE 15 W 40		Liter	20	430	8,600	
5.3	Battery electrolyte	Specific gravity 1250		Liter	20	100	2,000	
6	DG On site delivery:							
6.1	Loading /Unloading/Lifting	Generator dry weight-2200 Kg	CWPL	Job	1	-	-	
7	Civil work							
7.1	Required DG base	Base dimension LXW(ft)=9'4"x4'4" , Depth, D- 2" RCC with NCF.	CLIENT	Job	1	-	-	
7.2	Brick Wall Punch for reditaor duct	3'X2'	CLIENT	Job	1	-	-	
8	Others Accessories							
8.1	Local Canopy for 60 KVA Genset			Unit	1	120,000	120,000	
8.2	Local Auto Transfer Switch (ATS) for 60 KVA Genset			Unit	1	40,000	40,000	
TOTAL TK.(Excluding VAT & AIT)							194,399	

NOTES: All the necessary civil works and Diesel Fuel will be arranged by client with CWPL engineer instruction.

Sheba Green Line Ltd. Gajipur Station

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28/10/21

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