

CROSS WORLD POWER LIMITED
BOQ OF 60 KVA GENERATOR

CLIENT - MD. ROFIQUL ALAM BEG			ADDRESS- RAJSHAHI		DATE- 26/11/17			
GEN MODEL-		ENGINE MODEL-		ALTERNATOR MODEL-				
ELECTRICAL & MECHANICAL INSTALLATIONS								
SL NO	JOB DESCRIPTION	TECHNICAL DETAILS/ BRAND	SCOPE OF SUPPLY	UOM	QTY	UNIT RATE	TOTAL RATE	REMARKS
01	Electrical System:							
1.1	Power Cable for DG (35 °C Ambient on air)	4C- 25 rm NYY DG To ATS	CLIENT	Meter	7			Client will arrange
		4C- 25 rm NYY MAINS To ATS	CLIENT	Meter	7			Client will arrange
		4C- 25 rm NYY ATS To LOAD	CLIENT	Meter	21			Client will arrange
1.2	Power Cable Lugs	25 rm, Material -Copper , Surface-Electro Tinned	CWPL	Pcs.	26	20	520	
1.3	Control cable For Sensing	4 X 1.2 rm (40/0.19 mm) Flexible Cable	CWPL	Meter	16	95	1,520	
1.4	PVC Flexible pipe	2" inner Ø	CWPL	Meter	28	85	2,380	
1.5	Saddle for Flexible Pipe	2"	CWPL	Pcs	28	10	280	
1.6	Royal Plug & Screw	10 no & 1" Star	CWPL	Pack	2	160	320	
1.7	Royal Bolt	10 no.	CWPL	Pcs	10	28	280	
1.8	PVC Tape	Adhesive Tape 04 color (R/Y/B/Black)	CWPL	Pcs	4	35	140	
1.9	Cable Tie	L - 10"	CWPL	Pack	1	200	200	
02	Generator Earthing :							
2.1	Earthing Boring	Earthing of electrical installation with 37 mm (1.5") dia G.I. 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.	CLIENT	Job	N/A			EARTHING DONE. COPPER LEAD WILL BE LAID & CONNECTED UPTO COPPER BAR BY CLIENT.
2.2	Earthing Copper Lead	Installation of solid copper wire earthing lead 4 SWG in 37 mm dia GI pipe & termination of connection at both end .	CLIENT	Meter (Appx)	N/A			
2.3	Earhting Block / Equipotential bar	LXWXD- 300mm X 20mm X 5mm with connection facility	CLIENT	Pc	N/A			
2.4	Earthing Cable	1 X 10 rm BYA (Green) from Earthing Copper bar to gen & equipment	CWPL	Meter (Appx)	10	135	1,350	
2.5	Earthing Cable lugs	10 rm Material -Copper , Surface-Electro Tinned	CWPL	Pcs	6	15	90	
3	Exhaust System:							
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 75mm, thickness 3-4mm	CWPL	Feet(Appx)	8	495	3,960	
3.2	Exhaust Bends /Elbow	Long radius 90 deg L bow 75mm bore	CWPL	Pcs	1	495	495	
3.3	Exhaust Socket	MS Socket 75mm inner dia	CWPL	Pcs	1	430	430	
3.4	Exhaust Heat Insulation	Insulation Of pipe & muffler with Glasswool (25mm) and 26 SWG aluminium sheet clading	CWPL	Job	1	4,500	4,500	
3.5	Exhasut Fitting	With MS angle 37X37X5 mm, flat bar, nut bolt, Royal Bolt etc.	CWPL	Job	1	3,500	3,500	
4	Cooling System:							
4.1	Radiator Ducting for Hot Air	WxH- 3' x 1.5', L-8' with 22SWG MS sheet, canvas cloth etc.	CWPL	Sq-ft	72	270	19,440	
5	Commissioning Material:							
5.1	Radiator coolant & DM Water Mix	Havoline Premixed Coolant	CWPL	Liter	10	200	2,000	
5.2	Lube oil	SAE 15 W 40	CWPL	Liter	10	420	4,200	
5.3	Battery electrolyte	Specific gravity 1250	CWPL	Liter	10	65	650	
6	DG Foundation	Base dim LxWxD- 9'-6" x 4'-6" x 0'-4" with RCC	CLIENT	Job	1		-	Client End.
Total (BDT) Excl VAT & AIT:							46,255	
							6,255	
Grand Payable Total (BDT):							40,000	

APPROVED