

CROSS WORLD POWER LIMITED **BOQ OF 1X60kVA GENERATOR**

CLIENT - Mega-A-Hay-Palace

ADDRESS- Elephant road, New market, Dhaka

DATE- 22.11.18

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:							
1.1	Power Cable (35 °C Ambient on air)	1C 25mm NYY DG to ATS 1C 25mm NYY MAINS to ATS 1C 25mm NYY ATS to LOAD		Meter	67	333	22,311	
1.2	Control cable For Sensing	4 X 1.2 mm (40/0.19 mm) Flexible Cable		Meter	35	87	3,045	
1.3	Power Cable Lugs	25 mm , Material -Copper , Surface-Electro Tinned		Pcs	26	18	468	
1.4	PVC Flexible Pipe	2" inner dia		Meter	22	65	1,430	
1.5	Saddle for flexible pipe	2" dia local		Pcs	40	7	280	
1.6	Royal Plug & Screw	1.5" length		Pack	1&1	171	171	
1.7	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)		Pcs	8	29	232	
1.8	PIB Tape			Pcs	1	461	461	
1.9	Royal Bolt	10 no.		Pcs	10	18	180	
1.10	Cable Tie	L - 8"		Pack	2	138	276	
1.11	Power Cable Laying	25mm NYY Power Cable Laying & Installation work.		Meter	90	24	2,160	
2	Generator Earthing :							
2.1	Earthing Boring	Earthing of electrical installation with 38.1 mm (1.5") dia G.I. pipe throughly (4swg earth electrode) having 6.35 mm dia holes across dia at 305 mm interval securedly bonded with washer, nuts, bolts etc. a depth of 100 ft with GI pipe to attain earth resistance <1 ohm.	job		01	7,237	7,237	
2.2	Earthing Block	Dimension LXWxD - 200mm X 30mm X 4mm with connection facility, isolator, royal bolt etc		Pcs	1	1,974	1,974	
2.3	Copper lead	Installation of solid copper wire earthing lead 4 SWG in 38 mm dia GI pipe & termination of connection at both end.		Meter	30	262	7,860	
2.4	Copper Lead termination	solid copper wire earthing lead 4 SWG in & termination of connection at both end.		meter	21	262	5,502	
4.5	GI Pipe	38mm		meter	7	483	3,381	
2.6	Earthing Cable	1C 16 mm BYA (Green) from Earthing Copper bar to gen & equipment		Meter	2	182	364	
2.7	PVC Flexible Pipe	3/4" inner diameter		Meter	21	22	462	
2.8	Earthing Cable lugs	16 mm Material -Copper , Surface-Electro Tinned		Pcs	4	11	44	
3	Exhaust System:							
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 3" ,thickness 3-4mm		Meter	9	1,726	15,534	
3.2	Exhaust Silencer straight Pipe	MS Pipe bore 4" ,thickness 3-4mm		Meter	9	1,942	17,478	
3.3	Exhaust Bends /Elbow	Long radius 90 deg L bow 3" bore		Pcs	3	724	2,172	
3.4	Exhaust Bends /Elbow	Long radius 90 deg L bow 4" bore		pcs	3	855	2,565	
3.5	Exhaust Socket	Threaded 3" dia MS Socket		Pcs	5	592	2,960	
3.6	Reducer	3" by 4"		pcs	1	724	724	
3.6	Reducer	2" by 3"		Pcs	1	461	461	
3.6	Exhaust Heat Insulation with silencer box	Insulation Of Pipe with Rockwool (25.4mm min thickness) along with 26SWG Aluminium sheet clading.		Job	1	12,459	12,459	
3.7	Exhasut Fitting with silencer box	All bracket , support must be made with MS angle 50X50X 4, 5 & 6 MM		Job	1	9,866	9,866	
4	Cooling System:							
4.1	Radiator Ducting	(WXH) inch- (2.1'X2.1') Feet L- FT As per layout with 20/22 SWG MS sheet, Angle bar, flat bar support, Canvas cloth, iron net mesh etc		Sq-ft	N/A			
5	Commissioning Material:							
5.1	Radiator coolant	Havoline Premix Coolant		Liter	10	160	1,600	
5.2	Lube oil	SAE 15 W 40		Liter	10	400	4,000	
5.4	Battery electrolyte	Specific gravity 1250		Liter	10	90	900	
5.5	Diesel			Liter	100	76	7,600	
				Total TK			143,816	

Note: All required civil work will be done by client.

100% after installation.

Approved: 2,30,000/-

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