

Installation and Commissioning Material BOQ

CLIENT: SA COTTAGE			ADDRESS- Rampura, Dhaka			DATE: 21/12/2020		
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)	4CX16 mm NYY (DG to ATS)		Meter	6	948	5,688.00	Quantity may vary depending on ATS, MDB location
		4CX16 mm NYY (Mains to ATS)		Meter	7	948	6,636.00	
		4CX16 mm NYY (ATS to Load)		Meter	7	948	6,636.00	
1.2	Power Cable Lugs	16 mm, Material -Copper, Surface-Electro Tinned		Pes	26	11	286.00	
1.3	Control cable For Sensing	4 X 1.2 mm (40/0.19 mm)Flexible Cable		Meter	15	90	1,350.00	
1.4	PVC pipe	1.5"Ø		Meter	15	50	750.00	
1.5	PVC Elbow	1.5"Ø		Pes	7	20	140.00	
1.6	Saddle for PVC pipe	1.5"Ø		Pes	15	5	75.00	
1.7	Royal Plug & Screw	1.5" length		Pack	1	171	171.00	
1.8	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)		Pes	8	29	232.00	
1.9	Royal Bolt	10 no.		Pes	10	18	180.00	
1.10	Cable Tie	L - 8"		Pack	1	138	138.00	
1.11	Cable Laying Charge	4CX16 mm NYY		Meter	20	59	1,180.00	
2	Generator Earthing :							
2.1	Earthing Boring	100 rft		Job			-	Already Done
2.2	Earthing Copper Lead	4 SWG for Boring & Termination		Meter			-	
2.3	GI Pipe (Boring)	38mm dia		Meter			-	
2.4	Earthing Block	Dimension LXWXD - 200mm X 30mm X 4mm with connection facility		Pc			-	
2.5	Earthing Cable	1 X 10 mm BYA (Green) from Earthing Copper bar to gen & equipment		Meter	10	122	1,220.00	
2.6	Earthing Cable lugs	10 mm Material -Copper, Surface-Electro Tinned		Pes	6	8	48.00	
3	Exhaust System:							
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 3" ,thickness 3-4mm		Meter	12	1,726	20,712.00	
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 4" ,thickness 3-4mm		Meter	10	1,942	19,420.00	
3.2	Exhaust Bends /Elbow	Long radius 90 deg L bow 3"		Pes	3	724	2,172.00	
3.3	Reducer	3" by 4"		Pes	1	742	742.00	
3.4	Socket	3" dia		Pes	10	592	5,920.00	
3.5	Exhaust Heat Insulation	Insulation Of Pipe with Glasswool (25.4mm min thickness) along with 26SWG Aluminium sheet cladding.		Job	1	14,002	14,002.00	
3.6	Exhasut Fitting	All bracket , support must be made with MS angle 50X50X 4, 5 & 6 MM		Job	1	11,022	11,022.00	
4	Commissioning Material:							
4.1	Radiator coolant	Havoline Premix Coolant		Liter	10	160	1,600.00	
4.2	Lube oil	SAE 15 W 40		Liter	10	400	4,000.00	
4.3	Battery electrolyte	Specific gravity 1250		Liter	10	90	900.00	
5	Cooling System:							
5.1	Radiator Ducting	As per layout with 22 SWG MS sheet,Angle bar, flat bar support,Canvas cloth, Iron mesh etc WxH: 2' x 1.5', L-65'		Sq-ft	455	237	107,835.00	HOT AIR EXIT- TOP EXIT
6	DG On site delivery:							
6.1	Loading /Unloading/Lifting	Generator dry weight-1500 Kg	CWPL	Job	1		-	
7	CIVIL WORK:							
7.1	DG Base for 30kVA DG	Base dimension LXW(ft)=8'8"x4'4", Depth, D- 3" CC with NCF.	CLIENT	Job	1		-	
TOTAL TK (Excluding VAT & AIT)							213,055.00	
Note: Related Civil work and Diesel Fuel for Test Run will be arranged by Client as per instruction of CWPL Engineer.								

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Pay, (System)

Present

① DC - 7.70 lac
(C+L+V)

① DC - 7.60 lac
(C+L+V)

② Comm. Mat. - 2 lac
1.9

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Total: 9.60 lac

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Pay : 8.08 lac

Payment 100% after installation