

BOQ OF 1x45KVA GENERATOR

CLIENT - INTEFA REPACKING PLANT		ADDRESS- JASHORE		DATE: 14/1/2021				
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)	4C-25rm NYY DG To MCOS	CLIENT	Meter	10	1,444	14,440	Quantity may vary subject to MCOS location.
		4C-25rm NYY MAINS To MCOS				-	-	
		4C-25rm NYY MCOS To LOAD				-	-	
1.2	Power Cable Lugs	25rm , Material -Copper , Surface -Electro Tinned		Pcs	10	20	200	
1.3	Control cable For Sensing	4 X 1.2 rm (40/0.19 mm)Flexible Cable(2XDG to ATS)		Meter	23	95	2,185	
1.4	PVC Flexible pipe	4" inner Ø		Meter	10	350	3,500	
1.5	Saddle for Flexible pipe	4" Ø Local		Pcs	10	25	250	
1.6	Royal Plug & Screw	1.5"		Pack	1	271	271	
1.7	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)		Pcs	4	29	116	
1.8	Royal Bolt	10 no.		Pcs	10	18	180	
1.9	Cable Tie	L-8"		Pack	1	138	138	
1.10	Power cable laying	4C-25rm NYY cable laying, connection & termination		Meter	10	70	700	
1.11	mcos			Pcs	1	17,500	17,500	
2	Generator Earthing :					-	-	
2.1	Earthing Boring	100 rft		Job	1	8,000	8,000	
2.2	Earthing Copper Lead for Boring & Termination	2 SWG		Meter	35	470	16,450	Quantity may vary subject to earth pit location.
2.3	GI Pipe (Boring)	38mm dia		Meter	7	483	3,381	
2.4	Earthing Block	Dimension LXWXD - 200mm X 30mm X 4mm with connection facility		Pc	1	1,974	1,974	
2.5	Earthing Cable	1 X 16 rm BYA (Green) from Earthing Copper bar to gen & equipment		Meter	7	194	1,358	
2.6	Earthing Cable lugs	16 rm Material -Copper , Surface -Electro Tinned		Pcs	6	11	66	
3	Exhaust System:					-	-	
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 3" , thickness 3mm		Meter	5	1,845	9,225	
3.2	Exhaust Bends /Elbow	Long radius 90 deg L bow 3" Dia		Pcs	1	724	724	
3.3	MS Socket	3" dia socket		Pcs	3	692	2,076	
3.4	Exhaust Heat Insulation	Insulation Of Pipe with Glasswool (25.4mm thickness) along with 26SWG Aluminium sheet cladding.		Job	1	4,600	4,600	
3.5	Exhaust Fitting	All bracket , support must be made with MS angle 50X50X 4, 5 & 6 MM		Job	1	3,533	3,533	
4	Cooling System:					-	-	
4.1	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-		Sq-ft	N/A	237		Hot Air Exit- Front Exit
5	Commissioning Material:					-	-	
5.1	Radiator coolant	Havoline Premix Coolant		Liter	10	200	2,000	
5.2	Lube oil	SAE 15 W 40		Liter	10	400	4,000	
5.3	Battery electrolyte	Specific gravity 1250		Liter	10	110	1,100	
6	DG On site delivery:					-	-	
6.1	Loading /Unloading/Lifting	Generator dry weight-2000 Kg	CWPL	Job	1	-	-	
7	Civil work					-	-	
7.1	Required DG base	Base dimension LXW(ft)=9'4"x4'6" , Depth, D- 3" CC with NCF	CLIENT	Job	1	-	-	
	Others + transport+ service					-	-	
TOTAL TK.(Excluding VAT & AIT)							97,967	
Notes: ALL necessary civil work & Diesel for test run will be arranged by client as per CWPL Engineer instruction.								