

CROSS WORLD POWER LIMITED
BOQ OF 100 KVA GENERATOR

CLIENT - PURAKAUSAL PROJEKTI LTD			ADDRESS- RANGPUR		DATE- 09-09-18			
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 50 rm NYY DG To CHANGOVER(MANUAL)		Meter	37	687	25419	Power cable quantity will be varied depend on changover and load location.
		1C 50 rm rm NYY CHANGOVER to Load			37	687	25419	
1.2	Power Cable Lugs	50 rm , Material -Copper , Surface-Electro Tinned		Pcs	18	33	594	
1.3	Control cable For Sensing	2 X 12 rm (40/0.19 mm)Flexible Cable		Meter	18	50	900	
1.5	PVC Flexible Pipe	2" dia		Meter	18	65	1170	
1.6	Saddle for flexible pipe	2" dia local		pcs	20	7	140	
1.7	Royal Plug & Screw	1.5" length		Pack	181	171	171	
1.8	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)		Pcs	8	29	232	
1.9	Royal Bolt	10 no.		Pcs	10	461	4610	
1.1	Cable Tie	L - 8"		Pack	1	138	138	
1.11	Power Cable Laying	Power Cable(1CX50rm) Laying excicution work through wall & fase celling by CWPL		Meter	74	39	2886	
2	Generator Earthing :							
2.1	Earthing Boring	Earthing of electrical installation with 25.4 mm (1") dia G.I. pipe throughly (2swg earth electrode) having 6.35 mm dia holes across dia at 305 mm interval securedly bonded with washer, nuts, bolts etc. sunk upto a depth of 100 ft with GIP pipe to attain earth resistance <1 ohm including blind socket for water pouring facility.		Job	1			CLIENT SCOPE
2.2	Earthing Copper Lead	Installation of solid cooper wire earthing lead 2 SWG in 25.4 mm dia GI pipe & termination of connection at both end .		Meter	TBA			
2.3	Earhting Block	Dimension LXWXD - 250mm X 20mm X 5mm with connection facility		Pc	1			
2.4	Earthing Cable	1 X 16 rm BYA (Green) from Earthing Copper bar to gen & equipment		Meter	21	200	4200	
2.5	Earth cable laying	1x16rm BYA(Green)from Earthing bar to gen set		Meter	21	20	420	quantity will be varied depend on bar location
2.6	Earthing Cable lugs	16 rm Material -Copper , Surface-Electro Tinned		Pcs	6	11	66	
2.7	CC Foundation Work	LXW- 12 inch X12 inch, depth- 6 inch existing CC Foundation removal for earthing boring work and refilling with CC casting material after completion of earthing work.		Job	1			CLIENT SCOPE
3	Exhaust System:							
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 3" ,thickness 3-4mm		Feet(Approx)	N/A			
3.2	Exhaust Bends /Elbow	Long radius 90 deg L bow 3"		Pcs	N/A			
3.3	Exhaust Socket	Threaded 3"dia MS Socket		Pcs	N/A			
3.4	Exhaust Heat Insulation	Insulation Of Pipe with Glasswool (25.4mm min thickness) along with 26SWG Aluminium sheet clading.		Job	N/A			
3.5	Exhasut Fitting	All bracket , support must be made with MS angle 50X50X 4, 5 & 6 MM		Job	N/A			
04	Cooling System:							
4.1	Radiator Ducting	As per layout with 20/22 SWG MS sheet,Angle bar, flat bar support,Canvas cloth etc		Sq-ft	N/A			
5	Comissioning Material:							
5.1	Radiator coolant	Havoline Premix Coolant		Liter	15	86	1290	CLIENT SCOPE
5.3	Lube oil	SAE 15 W 40		Liter	10	461	4610	
5.4	Battery electrolyte	Specific gravity 1250		Liter	10	66	660	
	Diesel for test run			Liter	160	75	12000	
06	DG On site delivery:							
6.1	Loading /Unloading/Lifting	Generator dry weight-2600 Kg	CWPL	Job	1			
TOTAL							84925	

For 20/09/18

19/09/18

