

CROSS WORLD POWER LIMITED
PROPOSED BOQ OF 2x300kVA DG
 CLIENT - MTC

ADDRESS- CHALK BAZER,DHAKA

DATE- 07.03.19

GEN MODEL- PS300

ENGINE MODEL- 1506A-E88TAG5

ALTERNATOR MODEL- HCI444D/S4L1DD

SL NO	JOB DESCRIPTION	TECHNICAL DETAILS/ BRAND	UOM	QTY	UNIT RATE	TOTAL RATE	REMARKS
1	Electrical System:2X300kVA						Client Scope
1.1	Power Cable (35 °C Ambient on Air)	4X1C-240rm NYY DG1 To ATS CUM FEEDER PANEL	Meter	88.00	2,125.00		Client Scope
1.2		4X1C-240rm NYY DG2 To ATS CUM FEEDER PANEL	Meter	96.00	2,125.00		Client Scope
1.3		8X1C-240rm NYY MAINS To ATS	Meter	48.00	2,125.00		Client Scope
1.4		8X1C-240rm NYY ATS CUM FEEDER PANEL To LT	Meter	48.00	2,125.00		Client Scope
1.5	Power Cable Lugs	240 rm Material -Copper, Surface-Electro Tinned	Pcs	50.00	249.85		Client Scope
1.6	Control cable For Sensing	4X 1.2 rm (40/0.19 mm) Flexible Cable	Meter	90.00	82.65		Client Scope
1.7	Communication sheild cable	2X 1.2 rm for sync	Meter	30.00	218.50		Client Scope
1.8	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)	Pcs	20.00	27.55	551.00	CWPL Scope
1.9	PIB Tape		Pcs	4.00	437.95	1,751.80	CWPL Scope
1.10	Royal Bolt	10 no.	Pcs	20.00	17.10	342.00	CWPL Scope
1.11	Cable Tie	L - 12"	Pack	6.00	174.80	1,048.80	CWPL Scope
1.12	Cable Laying, Connection & Termination	1C-240rm NYY power cable	Meter	232.00	131.10		Client Scope
1.13	Cable Tray	WxH- 200x50 mm	Meter	16.00	1,695.75		Client Scope
1.14	Cable Tray	WxH- 300x50 mm	Meter	30.00	2,279.05		Client Scope
2	Generator Earthing :2x300kVA						
2.1	Earthing Boring	Earthing of electrical installation to attain earth resistance <1 ohm, 3nos Boring -- 150ft	Job	N/A	-	-	Existing boring will be used
2.2	GI Pipe (Boring)	38mm dia	Meter	N/A	-	-	
2.3	Earthing Copper Lead (Boring)	2 SWG	Meter	N/A	-	-	
2.4	UPVC Pipe	2" dia for earth cable laying	Meter	15.00	380.00	5,700.00	CWPL Scope
2.5	Earthing Block	LXWXD=300x30x5 mm with connection facility, isolator, royal bolt etc	Nos.	2.00	1,999.75	3,999.50	CWPL Scope
2.6	Earthing Cable	1C-50 mm2 BYA (Green) from Earthing Copper bar to gen & equipment	Meter	280.00	399.00		Client Scope
2.7	Earth cable lugs	50 rm	pcs	10.00	31.35		Client Scope

3	Exhaust System:2x300kVA						
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 152mm, thickness 4mm	Meter	20.00	3,895.00	77,900.00	CWPL Scope
3.2		MS Pipe bore 200mm, thickness 4mm	Meter	22.00	4,305.40	94,718.80	CWPL Scope
3.3	Exhaust Bends /Elbow	Long radius 90 deg L bow 152mm bore	Pcs	6.00	1,374.65	8,247.90	CWPL Scope
3.4		Long radius 90 deg L bow 200mm bore	Pcs	6.00	2,062.45	12,374.70	CWPL Scope
3.5	Exhaust Flange	Welding neck flange 152mm dia	Pcs	10.00	812.25	8,122.50	CWPL Scope
3.6		Welding neck flange 200mm dia	Pcs	10.00	1,062.10	10,621.00	CWPL Scope
3.7	Exhaust Converter	152mm to 200 mm	Pcs	2.00	2,812.95	5,625.90	CWPL Scope
3.8	Exhaust Heat Insulation with silencer box	Insulation of pipe & muffler with Glasswool (25mm) and 26 SWG aluminium sheet cladding	Job	1.00	68,331.60	68,331.60	CWPL Scope
3.9	Exhaust Fitting	With 50X50X5 mm MS Angle, flat bar, royal bolt, nut bolt etc.	Job	1.00	47,697.60	47,697.60	CWPL Scope
4	Cooling System:2X300kVA						
4.1	Radiator Ducting	As per layout with 22 SWG MS sheet, Angle bar, flat bar support, Canvas cloth etc WXH=5'X3.5' L=80ft	Sq-ft	1,360.00	225.15	306,204.00	CWPL Scope
5	Commissioning Material:2X300kVA						
5.1	Radiator coolant	Havoline Premix Coolant	Liter	70.00	152.00	10,640.00	CWPL Scope
5.2	Lube oil	SAE 15 W 40	Liter	80.00	399.00	31,920.00	CWPL Scope
5.3	Battery electrolyte	Specific gravity 1250	Liter	40.00	85.50	3,420.00	CWPL Scope
6	DG On site delivery & Ancillaary Work:						
6.1	Loading /Unloading/Lifting	Generator dry weight-4500 Kg	Job	2.00	-	-	Client Scope
7	DG Foundation	LxWxD= 4800 x 1900 x 150 mm made with RCC using 10 mm rod at 150mm C/C, brick chips & NCF	Job	2.00	-	-	Client Scope

Total Price (excluding all type of VAT & Tax)

699,217.10

After Deduct : 6,53,237 F

Discount : 3,237 F

Approved Grand Total : 6,50,000 F

→ Inbuilt in PC sales.