

CROSS WORLD POWER LIMITED
BOQ OF 1X60 KVA GENERATOR



CLIENT - DHL BANGLADESH		ADDRESS- TEJGAON,DHAKA		DATE- 05-03-19			
SL NO	JOB DESCRIPTION	TECHNICAL DETAILS/ BRAND	UOM	QTY	UNIT RATE	TOTAL RATE	REMARKS
1	Electrical System:						
1.1	Power Cable (35 °C Ambient on air)	4C-25rm NYY DG To ATS	Meter	10	1,123	11,230	
		4C-25rm NYY MAINS To ATS		30	1,123	33,689	
		4C- 25rm NYY ATS To LOAD		30	1,123	33,689	
1.2	Power Cable Lugs	25rm , Material -Copper , Surface -Electro Tinned	Pcs	26	19	484	
1.3	Control cable For Sensing	4 X 1.2 rm (40/0.19 mm)Flexible Cable	Meter	20	90	1,801	
1.4	PVC Flexible pipe	2" inner Ø	Meter	60	67	4,037	
1.5	Saddle for Flexible pipe	2" Ø Local	Pcs	60	7	435	
1.6	Royal Plug & Screw	10no & 1.5" length	Pack	2	178	356	
1.7	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)	Pcs	4	30	120	
1.8	PIB Tape		Pcs	0	477	-	
1.9	Royal Bolt	10 no.	Pcs	10	19	186	
1.10	Cable Tie	L - 8 "	Pack	2	143	286	
1.11	Power cable laying charge	4C-25rm NYY cable	Meter	70	26	1,811	
2	Generator Earthing :				-		
2.1	Earthing boring	100 rft	Job	1	7,490	7,490	
2.2	GI Pipe	38mm dia	Meter	6	500	2,999	
2.3	Copper lead	4 SWG	Meter	30	271	8,135	
2.4	Copper lead termination	4 swg pit to bar (Bar locartion inside of the DG room)	Meter	5	271	1,356	
2.5	Earhting Block	Dimension LXWXD - 200mm X 30mm X 5mm with connection facility	Pcs	1	2,179	2,179	
2.6	Earthing Cable	1 X 16 rm BYA (Green) from Earthing Copper bar to gen & equipment	Meter	6	151	907	
2.7	Earthing Cable lugs	16 rm Material -Copper , Surface -Electro Tinned	Pcs	4	11	46	
3	Exhaust System:				-		
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 3" ,thickness 3mm	Meter	4	1,786	7,146	
3.2	Exhaust Bends /Elbow	Long radius 90 deg L bow 3" Dia	Pcs	2	749	1,499	
3.3	Exhaust Socket	Threaded 3"dia MS Socket	Pcs	2	613	1,225	
3.4	Exhaust Heat Insulation	Insulation Of Pipe & muffler with Glasswool (25.4mm min thickness) along with 26SWG Aluminium sheet clading.	Job	1	4,188	4,188	
3.5	Exhasut Fitting	All bracket , support must be made with MS angle 50X50X 4, 5 & 6 MM	Job	1	3,151	3,151	
4	Cooling System:				-		
4.1	Radiator Ducting	WXH- 2.5' X 2.5', L- As per layout with 22 SWG MS sheet,Angle bar, flat bar support,Canvas cloth, Iron mesh etc	Sq-ft	N/A	-	-	Not Required
5	Commisioning Material:				-		
5.1	Radiator coolant	Havoline Premix Coolent	Liter	10	166	1,656	
5.2	Lube oil	SAE 15 W 40	Liter	10	435	4,347	
5.3	Battery electrolyte	Specific gravity 1250	Liter	10	93	932	
5.4	Diesel for test run		Liter	150	78	11,644	
6	DG On site delivery:				-		
6.1	Loading /Unloading/Lifting	Generator dry weight-1500 Kg	Job	1	-	-	
7	DB Box (100Amp):	Size (LXWXD : 24"x18"x9") with 1x 100A TP MCCB (ABB) & 100A TPNE copper busbar	set	1	22,770	22,770	
TOTAL (Incl VAT only):						169,792	

Notes: ALL necessary civil work will be done by client

1	Periodic Maintenance Item (if & when Required)		UOM	QTY	UNIT RATE	Remarks
1.1	AC Pump Fuel Filter	Perkins	Pc	1	3,105	Qty will finalized at the time of requirements.
1.2	Lube oil Filter	Perkins	Pc	1	1,035	
1.3	Air Filter	Perkins	Pc	1	4,658	
1.4	Radiator coolant	Havoline Premix Coolent	Liter	1	166	
1.5	Lube oil	Grade:15 W 40	Liter	1	435	
1.6	Battery electrolyte	Specific gravity 1250	Liter	1	93	
1.7	12 V Battery	100 Amps	Liter	1	13,973	

Notes: Above unit prices are including VAT only.