

SL	Code	Item	Category	Prep No.	Quantity	Unit Rate	Value
1	050005251	Supply, Installation & Commissioning Materials for 3 X 1500 KVA Generator for Energy Building	Supply & Installation	P201909D00037NP	1.000 Unit	20,00,000.000 BDT	20,00,000.000
Usage Type - Common, Inventory Type - Need Basis, Part no - , Import or Local - Local-Dhaka							
Delivery date : 30/09/2019 12:00, Quantity : 1.000 Unit							

Gross Total :20,00,000.000

Less Discount :

Other Charge:.000

Total :20,00,000.000

Total (In Words) : Twenty Lac BDT

Terms and conditions :

1. The Company reserves all rights to cancel the Work Order any time if final delivery does not comply with the approved sample / specification.
2. Bill to be submitted along with a copy of the order after delivery of item/s or completion of services. Please quote our Work Order no. on all correspondences, Challan, Invoice, Advice, notes etc.
3. All admissible taxes, VAT etc. will be deducted from bills according to Govt. Rules.

Received By :

Date :

Authorised By :

(Sr. Manager, Commercial)

Date :

CROSS WORLD POWER LIMITED		PRELIMINARY BOQ OF 3X1500 KVA GENERATOR						
CLIENT - OPSONIN PHARMA		ADDRESS- BARISAL		DATE- 23.07.2019				
ELECTRICAL INSTALLATIONS								
SL NO	JOB DESCRIPTION	TECHNICAL DETAILS/ BRAND	Scope of Supply	UOM	QTY	UNIT RATE	TOTAL RATE	REMARKS
1	Electrical System 3X1500kVA:							
1.3	Control cable For Sensing	4 X 1.2 rm (40/0.19 mm) Flexible Cable	CWPL	Meter(Appx)	300	90	27,000	
1.4	Communication Shield Cable	2 X 1.2 rm screened cable 120Ω resistance		Meter (Appx)	350	240	84,000	
1.5	Royal Bolt	12 no.		Pcs	40	21	840	
1.6	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)		Pcs	24	29	696	
1.7	PIB Tape			Pcs	10	461	4,610	
1.8	Cable Tie	L - 12"/14"		Pack	20	230	4,600	
1.9	Heat Shrink Tube	R/Y/B/B 10' each color	CWPL	Feet	60	46	2,760	
1.10	Breaker Terminal Copper Bus bar	2500A TP ACB Terminal Busbar Size: 1800mm2, 3X(60Xmm10) TPNE (1.65A/mm2);(24" Each pcs) with necessary bend & hole		Meter	17	6,013	102,221	
1.11	Cable laying Charge	Cable Laying	Client	Job	TBA	-	-	
2	Earthing System 3X1500kVA:							
2.4	Earthing Inspection pit	Construction of Earth inspection pit measurement 600mm X600mm X 600 mm with 250mm thick brick in cement mortar (1:4) with 100mm thick RCC top slab (1:2:4) with 1% re-infrcement 450mm dia water sealed CI man hole cover with locking arrangment including necessary earth work, site filling and one layer brick flat soling 75mm thick (1:3::6) base concrete for making inlet channel & 12mm thick (1:2) cement plaster with neat finishing etc. all complete up to a depth of 0.75 meter.	Client	Job	6	-	-	
2.1	Earthing Boring	Earthing of electrical installation with 38 mm (1.5") dia G.I. pipe (earth electrode) having 6.35 mm dia holes across the dia at 305 mm interval securedly bonded with washer, nuts, bolts etc. sunk upto a depth to 120 ft to attain earth resistance <1 ohm including blind socket for water pouring facility.	CWPL	Job	6	8,684	52,104	Earthing boring location considered adjacent of DG room
2.2	Earthing Copper Lead	Installation of solid copper wire earthing lead 2 SWG in 38 mm dia GI pipe & termination of connection at both end .		Meter(Approx)	230	419	96,370	Quantity may vary.
2.2	Earthing GI Pipe	38 mm dia GI pipe & termination of connection at both end .		Meter(Approx)	220	483	106,260	Quantity may vary.
1.4	Termination Copper Lead	2 SWG copper lead laying from pit to earthing bar		Meter (Approx)	50	483	24,150	
1.4	Earthing Copper Lead wearing & laying system	3/4" flexible Pipe for 2 SWG Copper Lead wearing with necessary fittings facilities		Meter (Approx)	50	113	5,650	
2.3	Earthing Block	Dimension LXWXD - 300mm X 50mm X 20mm with connection facility		Pcs	4	5,212	20,848	
3	Exhaust System 3X1500kVA:							
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 10", thickness 3-4mm	CWPL	Feet (Apprx)	200	1,908	381,600	
3.2	Exhaust Bends /Elbow	Long radius 90 deg L bow, bore 10"		Pcs	6	3,947	23,682	
3.3	Exhaust Flange	Threaded 10"dia		Pcs	30	1,974	59,220	
3.4	Exhaust Heat Insulation with 6nos silencer box	Insulation Of Pipe with Rockwool/Glasswool (25.4mm min thickness) along with 26 SWG Aluminium sheet clading.		Job	1	224,978	224,978	
3.5	Exhasut Fitting with 6nos silencer box	All bracket, support must be made with MS angle 50X50X 4, flat bar etc		Job	1	159,304	159,304	
4	Cooling System 3X1500kVA:							
4.1	Radiator Ducting for 3 nos DG	WxH- 8' x 7', L-16' As per layout with 22 SWG MS sheet,Angle bar, flat bar support,Canvas cloth, iron net mesh etc	CWPL	Sq-ft (appx.)	1440	262	377,280	
5	Commissioning Material 3X1500kVA:							
5.1	Radiator coolant	Havoline Premix Coolant	CWPL	Liter	630	160	100,800	
5.2	Lube oil	SAE 15 W 40		Liter	531	420	223,020	
5.3	Battery electrolyte	Specific gravity 1250		Liter	240	90	21,600	
(Including VAT & AIT) Total Tk--							2,350,383	
Discount							350,383	
(Including VAT & AIT) Total Tk--							2,000,000	

NB: Above mentioned all materials quantity as per drawing basis not at actual. It may change during execution time.All type of civil works has been excluded from above boq and client is responsible for those works & materials.