DR. MD. ABU OBAIDAH M.Sc.Ph.D.(London), D.I.C Chairman & Managing Director SONEAR Laboratories Ltd. 11/3, Toynbee Circular Road Motijheel Commercial Area, Dhaka - 1000 Tel: 9563761 - 2

Res.: 'Shelter' - (2nd Floor) 11/1, Toynbee Circular Road Motijheel Commercial Area Dhaka - 1000, Bangladesh

Date: 12th April, 2021.

Work Order

Cross World Power Limited. House # NE(O) 06, Road # 92, Gulshan-2, Dhaka.

Attention: Md. Mahfuzul Islam Rizve

Sr. Engineer, Sales Cell: 01755-694131

Subject: Work Order for 1 no of PS-135 KVA (Prime 135 kVA / Standby 150 kVA) Tempest brand Diesel Generator set with other accessories.

Dear Sir.

With Reference to your quotation No. CWPL-AM/0837/21-R01 Dated: 4th April, 2021, we are pleased to place an order for 1 unit of Tempest brand Diesel generator (Model no PS-135) set with other accessories, for our

SI. No	Description	Unit	Unit price (BDT)	Qty.	Total Price (BDT)		
1	TEMPEST Brand 135 KVA (Prime) Rating Diesel Generator with Perkins engine and Stamford alternator.						
	BRAND: Tempest ENGINE: Perkins, UK ALTERNATOR: Stamford, UK CONTROL MODULE: Deepsea, UK PORT OF SHIPMENT: Felixstowe port, UK	Set	15,50,000.00	1	15,50,000.00		
2	Commissioning Materials (As per attached BOQ)	Lot	2,59,835.00	1	2,59,835.00		
	Total price						
	Special Discount						
	Grand Total (Excluding VAT & AIT)						

In Word: Seventeen Lac taka only.

Terms And condition:

Payment term

: 100% payment with work order or before delivery.

Warranty

: 18 months or 1500 hours whichever comes first from the date of delivery or 12

month or 1500 hours whichever comes first from the date of commissioning.

Delivery

: DG will be delivered within 3 working days from the date of work order.

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Installation Testing & Commissioning

: The price quoted here is inclusive of the installation supervision charge excluding civil works, manual labor and all local materials like electrical power cable, earthling, ducting, extension silencer pipe for exhaust etc. required for successful installation, testing & commissioning of the generator.

Training

: Necessary training for operators will be provided free at the instant of commissioning of the generator.

Delivery Site

: 11/3, Toynbe Circular Road, Motijheel, Dhaka.

Thanking you

Dr. Md. Abu Obaidah

Kod Ath Obort

11/3, Toynbe Circular Road, Motijheel, Dhaka.



CROSS WORLD POWER LIMITED

BOQ OF 1X135 KVA GENERATOR INSTALLATION MATERIAL

CLIENT - Soner Lab		ADDRESS- DHAKA		DATE- 29.03.2021				
SL NO	JOB DESCRIPTION	TECHNICAL DETAILS/ BRAND	SCOPE OF SUPPLY	иом	QTY	UNIT RATE	TOTAL RATE	REMARKS
1	Electrical System:							
		1C-70 rm NYY DG To ATS			122	999	121,829	QUANTITY MAY VARY DEPENDING
1.1	Power Cable (35°C Ambient in Air)	1C-70 rm NYY MAINS To ATS		Meter	18	999	18,274	ON ATS, DB PANEL LOCATION &
		1C-70 rm NYY ATS To LOAD			18	999	18,274	ROUTE
1.2	Power Cable Lugs	70 rm , Material -Copper , Surface-Electro Tinned		Pcs	26	53	1,378	
1.3	Control cable For Sensing	4 X 1.2 rm (40/0.19 mm)Flexible Cable		Meter	61	103	6,280	QUANTITY MAY VARY DEPENDING ON ATS LOCATION & ROUTE
1.4	PVC Flexible Pipe	2.5" dia		Meter	40	95	3,800	CHANTITY MAY WARY DEPENDING
1.5	Saddle for flexible pipe	2.5" dia local		Pcs	45	8	360	QUANTITY MAY VARY DEPENDING ON ATS, DB LOCATION
1.6	Royal Plug & Screw	10no. & 1" length		Pack	3	144	432	ON ATS, DB EOCATION
1.7	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)		Pcs	16	29	464	
1.8	PIB Tape			Pcs	1	461	461	
1.9	Royal Bolt	10 no.		Pcs	10	18	180	
1.10	Cable Tie	L - 10"		Pack	5	158	790	
1.11	Power cable laying charge	1C-70rm cable		Meter	159	53	8,402	
2	Generator Earthing:					-		
2.1	Earthing Boring	120 feet		Job	1	8,684	8,684	
2.2	GI Pipe (Boring)	38mm dia		Meter	7	483	3,381	
2.3	Earthing Copper Lead (Boring)	2 SWG		Meter	37	427	15,882	
2.4	Earthing Copper Lead (Termination)	2 SWG		Meter	8	427	3,416	QUANTITY MAY VARY DEPENDING ON PIT LOCATION & ROUTE
2.5	Earhting Block	Dimension LXWXD=200mmX30mmX5mm with connection facility		Pcs	1	2,134	2,134	
2.6	Earthing Cable	1 X 25rm BYA (Green) from Earthing Copper bar to gen & equipment		Meter	30	327	9,970	
2.7	Earthing Cable lugs	25 rm Material -Copper , Surface-Electro Tinned		Pcs	6	18	108	
3	Exhaust System:					-		
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 4", thickness 3-4mm		Meter	5	1,942	9,710	
3.2	Exhaust Bends /Elbow	Long radius 90 deg L bow, bore 4"		Pcs	2	855	1,710	
3.3	Exhaust Flange	Welding neck flange 4" bore		Pcs	3	461	1,383	



	Exhaust Heat Insulation of Silencer	Insulation Of Pipe with Glasswool (25.4mm min thickness) along		Meter		647	3,235	
3.4	pipe	with 26 SWG Aluminium sheet clading.		Meter	5	047	3,233	
	Exhasut Fitting of Silencer pipe	All bracket , support must be made with MS angle 50X50X 4, 5 & 6 MM		Meter	5	518	2,590	
	Exhaust Heat Insulation of Silencer Box	Insulation Of Pipe with Glasswool (25.4mm min thickness) along with 26 SWG Aluminium sheet clading.		Job	1	2,632	2,632	
3.5	Exhasut Fitting of Silencer Box	All bracket , support must be made with MS angle 50X50X 4, 5 $\&$ 6 MM		Job	1	1,974	1,974	
4	Cooling System:					_		
4.1	Radiator Ducting	As per layout with 22 SWG MS sheet, Angle bar, flat bar support, Canvas cloth, iron net mesh etc LXW=2.5'X3' rft=		sft	-	-	-	Open DG
5	Commissioning Material:							
5.1	Radiator coolant	Havoline Premix Coolant		Liter	20	160	3,200	
5.2	Lube oil	SAE 15 W 40		Liter	20	400	8,000	
5.3	Battery electrolyte	Specific gravity 1250		Liter	10	90	900	
5.4	Fuel	Diesel for Test Run (50% of Tank Capacity)	Client	Liter	200	-	-	
6	DG On site delivery:					-		
6.1	Loading /Unloading/Lifting	Generator dry weight- 1650Kg	CWPL	Job	1	-	-	
7	Civil Work					-		
7.1	Required DG base	LXWXD=12'6"X4'11"X4" CC Base with NCF	Client	Job	1	-	-	
			TOTAL	K (Evelu	ding VA	T & AIT)	259,835	

INUTES: All the necessary civil works and diesel fuel will be arranged by client with CWPL engineer instruction.