



Urban Design &
Development Ltd.

9th June 2021

The Chairman and CEO
Cross World Power Limited
Plot 1/B, Road 90, Gulshan-2,
Dhaka-1212.

Subject.: Work Order for Supplying, Installation and Commissioning of Exhaust and Cooling System for 1(one) no. 30 KVA (Prime)/ 33 KVA (Standby) Tempest Brand Diesel Generating Set at Urban Abokash project.

Dear Sir,

With reference to your Offer dt. 24th May 2021 and subsequent discussion and understanding with Mr. Md. Moshir Rahman, Asst. General Manager, Sales & Marketing, Cross World Power Limited. We are pleased to issue the work order for supplying, installation and commissioning of Exhaust and Cooling System for 1(one) no. 30 KVA (Prime)/33 KVA (Standby) Tempest Brand Diesel Generating Set at **Urban Abokash Project** at House # New 32/1, Old 137, Road# 03, Dhanmondi R/A, Dhaka.

You are therefore requested to make necessary arrangements and formalities immediately for supplying, installation and commissioning of Exhaust and Cooling System of above mentioned Diesel Generating Sets for **Urban Abokash Project** at House # New 32/1, Old 137, Road# 03, Dhanmondi R/A, Dhaka.

Work Order Value: a) Total Price for Exhaust and Cooling System for 30 KVA (Prime)/ 33 KVA (Standby) Generator Set is Tk.16,955 (taka Sixteen thousand nine hundred fifty five) only. Please note that battery charging work must be done by CWPL.

Payment: a) 1st Installment - Tk. 11,000/= (taka Eleven thousand) only will be paid along with the work order. b) 2nd Installment – balance amount, Tk. 5,955/= (taka Five thousand nine hundred fifty five) only will be paid 2 (two) weeks after successful installation and commissioning of Exhaust and Cooling System.

Please submit the following documents after completion of the work: a) Challan for Ducting and Exhaust System Items duly received by concerned UDDL site authority b) Work completion certificate.

We would appreciate your immediate action in this regard.

Thanking you.

Sincerely yours,

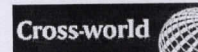
Mohammad Hanif Shamim
Head of Planning & Coordination

H. 34/A, R. 10/A
Dhanmondi R.A.
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CROSS WORLD POWER LIMITED
BOQ OF 1X30 kVA GENERATOR



CLIENT: Urdad Design & Development Ltd. (Urban Abokash)

ADDRESS- Dhaka

DATE: 24.05.2021

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)	4CX16 rm NYY (DG to ATS)	CLIENT	Meter		-	-	
		4CX16 rm NYY (PDB to ATS)		Meter		-	-	
		4CX16 rm NYY (ATS to MDB)		Meter		-	-	
1.2	Power Cable Lugs	16 rm , Material -Copper , Surface-Electro Tinned		Pcs		-	-	
1.3	Control cable For Sensing	4 X 1.2 rm (40/0.19 mm)Flexible Cable		Meter		-	-	
1.4	PVC Flexible pipe	2"Ø inner dia		Meter		-	-	
1.5	Saddle for PVC pipe	2"Ø		Pcs		-	-	
1.6	Royal Plug & Screw	1.5" length		Pack		-	-	
1.7	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)		Pcs		-	-	
1.8	Royal Bolt	10 no.		Pcs		-	-	
1.9	Cable Tie	L - 8"		Pack		-	-	
1.10	Cable Laying Charge	4Cx16 rm NYY		Meter		-	-	
2	Generator Earthing :							
2.1	Earthing Boring	100 rft		Job		-	-	
2.2	Earthing Copper Lead	2 SWG For Boring & Termination		Meter		-	-	
2.3	GI Pipe (Boring)	38mm dia		Meter		-	-	
2.4	Earthing Block	Dimension LXWxD - 200mm X 30mm X 4mm with connection facility		Pc		-	-	
2.5	Earthing Cable	1 X 10 rm BYA (Green) from Earthing Copper bar to gen & equipment		Meter		-	-	
2.6	Earthing Cable lugs	10 rm Material -Copper , Surface-Electro Tinned		Pcs		-	-	
3	Exhaust System:							
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 3" ,thickness 3-4mm		Meter	4	1,726	6,904	
3.2	Exhaust Bends /Elbow	Long radius 90 deg L bow 3"		Pcs	2	724	1,448	
3.3	Reducer	2.5" by 3"		Pcs	1	461	461	
3.4	Socket	3" dia		Pcs	4	592	2,368	
3.5	Exhaust Heat Insulation	Insulation Of Pipe with Glasswool (25.4mm min thickness) along with 26SWG Aluminium sheet clading.		Job	1	3,388	3,388	
3.6	Exhasut Fitting	All bracket , support must be made with MS angle 50X50X 4, 5 & 6 MM		Job	1	2,386	2,386	
4	Commissioning Material:							
4.1	Radiator coolant	Havoline Premix Coolent	CLIENT	Liter	10	-	-	
4.2	Lube oil	SAE 15 W 40		Liter	10	-	-	
4.3	Battery electrolyte	Specific gravity 1250		Liter	10	-	-	
4.4	Fuel	Diesel for test run (50% of Fuel tank)		Liter	45	-	-	
5	Cooling System:							
5.1	Radiator Ducting	As per layout with 22 SWG MS sheet,Angle bar, flat bar support,Canvas cloth, Iron mesh etc WxH- 2' x 1.5', L-	CLIENT	Sq-ft		-	-	HOT AIR EXIT- TOP EXIT
6	DG On site delivery:							
6.1	Loading /Unloading/Lifting	Generator dry weight-1500 Kg	CWPL	Job	1	-	-	
7	CIVIL WORK:							
7.1	DG Base for 30kVA DG	Base dimension LXW(ft)=8'x4', Depth, D- 4" CC with NCF.	CLIENT	Job	1	-	-	
TOTAL TK (Excluding VAT & AIT)							16,955	

Note: Related Civil work & Diesel will be arranged by Client as per instruction of CWPL Engineer.