

Shipan Barua

From: Procurement Dept. Head office <procurement@bmenergybd.com>
Sent: Sunday, June 21, 2020 3:21 PM
To: Md. Bayazid Al Imran
Cc: Md. Habibur Rahman Javed; Shipan Barua
Subject: RE: Proposed BOQ of 1x30kVA Open DG for BM Energy (BD) Ltd.

Please proceed.

Thanks and Regards,

Engr. Fatema Jahan

Project Engineer (Electrical).

Email: procurement@bmenergybd.com

Mobile: +8801708454910

BM Energy (BD) Limited (A Netherlands - Bangladesh Joint Venture)

Head Office: 1206/A, Nasirabad I/A, Bayzid Bostami Thana Road, Ruby Gate, East Nasirabad, Chittagong - 4210, Bangladesh.



www.bmenergybd.com

From: Md. Bayazid Al Imran <imran@cross-world.com>
Sent: Sunday, June 21, 2020 3:19:32 PM
To: Procurement Dept. Head office <procurement@bmenergybd.com>
Cc: Md. Habibur Rahman Javed <habib@cross-world.com>; Shipan Barua <shipan@cross-world.com>
Subject: Re: Proposed BOQ of 1x30kVA Open DG for BM Energy (BD) Ltd.

Dear Madam,
Good day,

Our final offer price including VAT & TAX is BDT: 7338 for the 30kVA DG materials (Coolant 10L, Lube Oil 10L & Battery Electrolyte 10L), Please confirm.

From: Procurement Dept. Head office <procurement@bmenergybd.com>
Sent: Saturday, June 20, 2020 12:39 PM
To: Md. Bayazid Al Imran <imran@cross-world.com>
Cc: Md. Rashedul Islam, Manager , Supply Chain <rashedulislam@bmenergybd.com>; Mr. Moazzam Hossen, Project Manager, Operation Management <moazzam.hossen@bmenergybd.com>
Subject: RE: Proposed BOQ of 1x30kVA Open DG for BM Energy (BD) Ltd.

Dear Bayazid Vai,
Please send below materials for installation and commissioning of DG set:

JOB DESCRIPTION	TECHNICAL DETAILS/ BRAND
Radiator coolant- 10 Ltr	Havoline Premix Coolent
Lube oil- 10 ltr	SAE 15 W 40
Battery electrolyte-10 ltr	Specific gravity 1250

CROSS WORLD POWER LIMITED

BOQ OF 1X30 KVA GENERATOR

CLIENT: BM Energy		ADDRESS- Chittagong		DATE: 15.06.20				
GEN MODEL-		ENGINE MODEL-		ALTERNATOR MODEL-				
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		Meter	6	784	4,704	
		4CX16 rm NYY Mains to ATS		Meter	5	784	3,920	
		4CX16 rm NYY ATS to Load		Meter	4	784	3,136	
1.2	Power Cable Lugs	16 rm , Material -Copper , Surface-Electro Tinned		Pcs	26	11	286	
1.3	Control cable For Sensing	4 X 1.2 rm (40/0.19 mm)Flexible Cable (2XDG to ATS)		Meter	15	87	1,305	
1.4	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)		Pcs	8	29	232	
1.5	PIB Tape			Pcs	1	461	461	
1.6	Royal Bolt	10 no.		Pcs	10	18	180	
1.7	Cable Tie	L - 8"		Pack	1	138	138	
2	Generator Earthing :							
2.1	Earthing Block	Dimension LXWXD - 200mm X 30mm X 4mm with connection facility		Pc	1	1974	1974	
2.2	Earthing Cable	1 X 10 rm BYA (Green) from Earthing Copper bar to gen & equipment		Meter	4	101	404	
2.3	Earthing Cable lugs	10 rm Material -Copper , Surface-Electro Tinned		Pcs	6	8	48	
3	Exhaust System:							
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 3" ,thickness 3-4mm		Meter	1	1,726	1,726	
3.2	Exhaust Bends /Elbow	Long radius 90 deg L bow 3"		Pcs	1	724	724	
3.3	Reducer	2.5" by 3"		Pcs	1	461	461	
3.4	Socket	3"		Pcs	1	592	592	
3.5	Exhaust Heat Insulation	Insulation Of Pipe with Glasswool (25.4mm min thickness) along with 26SWG Aluminium sheet cladding.		Job	1	1,834	1,834	
3.6	Exhasut Fitting	All bracket , support must be made with MS angle 50X50X 4, 5 & 6 MM		Job	1	1,090	1,090	
4	Commissioning Material:							
4.1	Radiator coolant	Havoline Premix Coolent ✓		Liter	10	160	1,600	
4.2	Lube oil	SAE 15 W 40 ✓		Liter	10	420	4,200	
4.3	Battery electrolyte	Specific gravity 1250 ✓		Liter	10	90	900	
4.4	Diesel Fuel for Test Run		Client	Liter	90	75	6,750	
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-2' (Approx.)		Sq-ft	14	262	3,668	Canvas cloths will be used
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)=8'6"x4.5', Depth, D- 4" RCC with NCF.	Client	Job	1	-	-	Already Done.
TOTAL TK (Excluding VAT & AIT)							40,333	

Note: Related Civil work and Diesel Fuel for Test Run will be arranged by Client as per instruction of CWPL Engineer.