

Shipan Barua

From: Arunangshu Paul <paul@cross-world.com>
Sent: Thursday, October 10, 2019 3:04 PM
To: Md. Habibur Rahman Jabed
Cc: Shipan Barua; Md.Abusieed Sobuj; Naba Krishna Mazumder
Subject: FW: FW: 200 kVA Diesel generator installation material
Attachments: BOQ- 200kVA-Final.xlsx

Dear Habib Vhai

Please go through the following mail and consider it as their confirmation and arrange those attached commissioning materials .

Dear Naba

Please take care of that issue urgently to finish that job.

Arunangshu Paul | **CROSS WORLD POWER LTD** | **Manager,Sales** | Plot 1/B, Road 90, Gulshan - 2, Dhaka 1212, Bangladesh | p: +880 2 881 1858, 989 1442 | f: +880 2 881 5160 | m: 01755514747 | e: paul@cross-world.com | w: www.cross-world.com



please consider the environment before printing this email

From: tasnova afroz [mailto:tasnovaafrozluna@gmail.com]
Sent: Thursday, October 10, 2019 2:26 PM
To: Arunangshu Paul
Subject: Re: FW: 200 kVA Diesel generator installation material

Dear Mr. Paul,

The last received BOQ regarding commissioning materials is confirmed. Please go ahead with the necessary work process of installation and after completion send the final bill to Mark Designers LTD. office as they will handle the billing process.

Please make sure not to have any delay in the installation process for any kind of decision.

Thank you.

Tasnova Afroz Luna

Associate Architect

DWm4 Architects

236 Lake Road New DOHS Mohakhali Dhaka 1206

Phone 880 2 9883161, 880 2 8850802

Fax 880 2 9885564

On Wed, Oct 9, 2019 at 11:28 AM Arunangshu Paul <paul@cross-world.com> wrote:

Dear Tasnova Apu

Please find the attached Revised BOQ of commissioning related materials after deduction of Yellow Marked items. After getting confirmation from your end we will start our job for that installation of DG set.

For any further clarifications please feel free to contact with us.

Arunangshu Paul | **CROSS WORLD POWER LTD** | **Manager, Sales** | Plot 1/B, Road 90, Gulshan - 2, Dhaka 1212, Bangladesh | p: +880 2 881 1858, 989 1442 | f: +880 2 881 5160 | m: 01755514747 | e: paul@cross-world.com | w: www.cross-world.com

 please consider the environment before printing this email



 please consider the environment before printing this email

From: tasnova afroz [<mailto:tasnovaafrozluna@gmail.com>]

Sent: Thursday, October 03, 2019 12:45 PM

To: Md. Ezaz Ibne Anis

Subject: Re: 200 kVA Diesel generator installation material

Dear Concern,

here i attached the updated version your previous pdf of installation work list where the yellow marked portions are already done by Eng. Saroar Hosen on site, rest of the works need to be done by your team. please find the attachment and start the rest of the work process as soon as possible.

if any query please feel free to contact me.

thanks.

Tasnova Afroz Luna

Associate Architect

DWm4 Architects

236 Lake Road New DOHS Mohakhali Dhaka 1206

Phone 880 2 9883161, 880 2 8850802

Fax 880 2 9885564

On Wed, Oct 2, 2019 at 11:20 AM Md. Ezaz Ibne Anis <ezaz@cross-world.com> wrote:

Dear Sir,

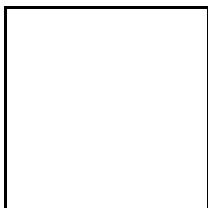
Please see the attached file for your required PS-200 kVA Diesel generator BOQ of installation material.

Respectfully Yours,

Md. Ezaz Ibna Anis | **CROSS WORLD POWER LTD** | **Engineer, Sales Department** | Plot 1/B, Road 90, Gulshan 2, Dhaka 1212, Bangladesh | p: +880 2 5881 1858, 989 1442 | f: +880 2 5881 5160 | m: +88 01755514748 | w: www.cross-world.com



 please consider the environment before printing this email



This email has been checked for viruses by AVG antivirus software.
www.avg.com

CROSS WORLD POWER LIMITED **BOQ OF 1X200 KVA GENERATOR**

CLIENT - MR. DIDAR / *Baraz Ahmad*

ADDRESS- H-55/A,R-2, BANAI DOHS, DHAKA.

DATE- 08.08.2019

GEN MODEL-

ENGINE MODEL-

ALTERNATOR MODEL-

ELECTRICAL INSTALLATIONS

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 in Air)	4x1C-120 mm NYY DG To ATS 4x1C-120 mm NYY LT To ATS 4x1C-120 mm NYY ATS To LT		Meter Meter Meter	160 0 0	0 0 0	0 0 0	
1.2	Power Cable Lugs	120 mm , Material -Copper , Surface -Electro Tinned		Pcs	10	99	990	
1.3	Control cable For Sensing	4 X 1.2 mm (40/0.19 mm)Flexible Cable		Meter	80	87	6960	
1.6	Royal plug and screw	10no & 1.5" local		pack	1	171	171	
1.7	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)		Pcs	10	29	290	
1.8	PIB Tape			Pcs	2	461	922	
1.9	Royal Bolt	10 no.		Pcs	8	18	144	
1.10	Cable Tie	L - 12"		Pack	3	184	552	
1.11	Cable Laying	1C-120mm Power Cable Laying		Meter	160	86	13760	
2	Generator Earthing :							
2.1	Earthing Boring	100ft		Job	1	0	0	
2.2	Earthing Copper Lead	2 SWG		Meter	32	0	0	
2.3	Earthing Copper Lead Termination	2 SWG		Meter	5	0	0	
2.5	PVC flexible pipe	3/4" dia		Meter	5	0	0	
2.6	GI PIPE	38 mm dia GI pipe		Meter	7	0	0	
2.7	Earthing Block / Equipotential bar	Dimension LXWXD=250mmX40mmX5mm with connection facility		Pcs	1	0	0	
2.8	Earthing Cable	1 X 35mm BYA (Green) from Earthing Copper bar to gen & equipment		Meter	10	0	0	
2.9	Earthing Cable lugs	35 mm Material -Copper , Surface -Electro Tinned		Pcs	6	24	144	
2.10	saddle	3/4"		Pcs	10	3	30	
3	Exhaust System:							
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 6", thickness 3-4mm		Meter	4	4100	16400	
3.2	Exhaust Bends /Elbow	Long radius 90 deg L bow, bore 6"		Pcs	2	1447	2894	
3.4	Exhaust Flange	Welding neck flange 6" bore		Pcs	4	855	3420	
3.5	Exhaust Heat Insulation with silencer box	Insulation Of Pipe with Rockwool (25.4mm thickness) along with 26 SWG Aluminium sheet clading.		Job	1	7605	7605	
3.6	Reducer	5" to 6"		Pcs	1	1250	1250	
3.7	Exhasut Fitting with silencer box	All bracket, support must be made with MS angle 50X50X 4, flat bar etc		Job	1	6084	6084	
4	Cooling System:							
4.1	Radiator Ducting	WXH=6.5'X1' rft=100'As per layout with 22 SWG MS sheet,Angle bar, flat bar support,Canvas cloth, iron net mesh etc		Sq-ft (appx.)	0	0	0	
5	Commissioning Material:							
5.1	Radiator coolant	Havoline Premix Coolant		Liter	20	160	3200	
5.2	Lube oil	SAE 15 W 40		Liter	20	461	9220	
5.3	Battery electrolyte	Specific gravity 1250		Liter	10	90	900	
6	DG On site delivery:							
6.1	Loading /Unloading/Lifting	Generator dry weight- 1500Kg		Job	1			
7	Civil Works & Grille fancing							
7.2	Generator foundation by CC	LXWXD(inch)=13'4"X4'8"X6" RCC complete with NCF		Job	1	0	0	
Total Price in BDT							74936	

Note:

-- All necessary civil work will be done by client as per CWPL engineer instruction.

Payment 100% after installat

Approved

Amrullah
10/10/19