

CROSS WORLD POWER LIMITED

BOQ OF 500kVA GENERATOR INSTALLATION



Ensuring Power Since 1982

Client Name : BRAC BANK

Address: SEPAL TOWER, TEJGAON

Date: 10.04.17

Gen Model:

Engine Model :

Alternator Model :

SI No	Job Description	Tehcnical Details/ Brand	Scope Of Supply	Unit	Quantity	Unit Rate	Total Rate	Remarks
1	Electrical System:							
1.1	Generator Power Cable (35 °C Ambient on air)	4 X 2 X 1C-185 rm NYY DG To ATS	Client	Meter	96			
1.2		4 X 2 X 1C-185 rm NYY MAINS To ATS	Client	Meter	128			
1.3	Power Cable Lugs	185 rm, Material -Copper, Surface -Electro Tinned	CWPL	Pcs	34	175	5,950.00	
1.4	Control cable For Sensing	4 X 1.2 rm (40/0.19 mm) Flexible Cable	CWPL	Meter	26	120	3,120.00	
1.5	Royal Bolts	10 no.	CWPL	Pcs	10	42	420.00	
1.6	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)	CWPL	Pcs	12	45	540.00	
1.7	PIB Tape		CWPL	Pcs	3	625	1,875.00	
1.8	Cable Tie	L - 8"/10"	CWPL	Pack	4	275	1,100.00	
1.9	Heat Shrink Tube	Red/Yellow/Blue/Black	CWPL	Feet	8	75	600.00	
1.10	Circuit Breaker Terminal Extension		Client	Pcs	3			
2	Earthing System							
2.1	Earthing Boring	Earthing of electrical installation with 38.10 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 of 100 ft to attain earth resistance <1 ohm including blind socket for water pouring facility.	Client	Job	1			EARTHING LOCATION NOT CONFIRMED BY CLIENT. EARTHING CABLE QTY MAY INCREASE DEPENDING ON LOCATION
2.2	Earthing Copper Strip/ Lead	Installation of solid copper wire earthing lead 2 SWG in 38.10 mm dia GI pipe & termination of connection at both end.	Client	Meter(Approx)	36			
2.3	Earthing Block / Equipotential bar	Dimension LXWDXD - 300mm X 30mm X 20mm with connection facility, isolator, royal bolt etc	Client	Pc	1			
2.4	Earthing Cable	1 X 95mm ² BYA (Green) from Earthing Copper bar to gen & equipment	Client	Meter(Approx)	30			
2.5	Earth cable lugs	95 rm, Material -Copper, Surface -Electro Tinned	Client	Pcs	6			
3	Exhaust System							
3.1	Exhaust Silencer Straight Pipe	MS Pipe bore 152mm, thickness 3-4mm	CWPL	Feet(Approx)	22	1375	30,250.00	
3.2	Exhaust Bends /Elbow	152mm bore Long radius 90 deg L bow	CWPL	Pcs	3	1515	4,545.00	
3.3	Exhaust Flange	Welding neck flange 152mm bore	CWPL	Pcs	6	935	5,610.00	
3.4	Exhasut Fitting	Support made with MS angle 50X50X5 mm, nut bolt, royal bolt, U clamp etc.	CWPL	Job	1	10000	10,000.00	12,500
3.5	Exhaust Heat Insulation	Insulation with Rockwool/ Glasswool (37mm) and 2-3mm aluminium sheet clading	CWPL	Job	1	10000	10,000.00	10,500
4	Cooling System							

4.1	Radiator Ducting	WXH - 5'X4.5' , L - 10' Duct made with 22 SWG MS sheet, Angle bar, flat bar support, Canvas cloth and front side louver.	CWPL	Sq-ft	190	298	56,620.00	
5	Commissioning Material							
5.1	Radiator coolant & DM water mix	Havoline Premixed Coolant	CWPL	Liter	60 ✓	275	16,500.00	
5.2	Lube oil	SAE 15 W 40	CWPL	Liter	60 ✓	462	27,720.00	
5.3	Battery electrolyte	Specific gravity 1.250	CWPL	Liter	40 ✓	72	2,880.00	
6	MCOS							
6.1	1000A Manual Changeover Switch	Local	CWPL	Nos.	1 ✓	80000	80,000.00	215,000
7	Ancilliary Work							
7.1	RCC Floor Punch	LxWxD- 1' x 1' x 10"	CWPL	Pcs	2 ✓	10000	20,000.00	

Sub Total	277,730.00
Power Cable	50,680.00
	328,410.00

MSL
08.05.17

Approved :

3,19,250/-

POWER CABLE REQUIREMENT									
SL.	CABLE REFERENCE		TECHNICAL DETAILS	SUPPLY SCOPE	UNIT	QTY	UNIT RATE	TOTAL RATE	REAMRKS
	FROM	TO							
1	ATS	1st FL MDB	1C-120 RM NYY	Client	Mtr.	300			
2	ATS	3rd FL MDB	1C-120 RM NYY	Client	Mtr.	310			
3	ATS	4th FL MDB	1C-120 RM NYY	Client	Mtr.	320			
4	ATS	5th FL MDB	1C-120 RM NYY	Client	Mtr.	330			
5	ATS	6th FL MDB	1C-185 RM NYY	Client	Mtr.	340			
6	Cable Lugs		70 mm	CWPL	Pcs	60	145	8700	
7	PVC Tape		R/Y/B/Black	CWPL	Pcs	24	45	1080	
8	PIB Tape			CWPL	Pcs	6	625	3750	
9	Cable Tie		350 mm	CWPL	Packet	10	315	3150	
10	UPVC Pipe		3" dia	CWPL	Mtr.	50	635	31750	
11	PVC Flexible Pipe			CWPL	Mtr.	10	225	2250	
12	Cable Laying, Connection & Termination Charge			Client	Mtr.	1600			
								50680	
N.B: 1. ALL CABLE SPECS & QTY ARE APPROXIMATE & MAY INCREASE OR DECREASE DURING IMPLEMENTATION. 2. DETAIL DISCUSSION REQUIRED WITH CLIENT BEFORE MATERIAL PURCHASE & IMPLEMENTATION 3. COMMISSIONING TEAM REPRESENTATIVE REQUIRED DURING DETAIL PLANNING.									

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Habibur Rahman

From: F.A.M. Munirujjaman Raju <fammunirujjaman.raju@bracbank.com>
Sent: Thursday, May 04, 2017 5:44 PM
To: Moazzem Hossain
Cc: K.M. Firoj Ashrafuzzaman; 'Ariful Islam'; habib@cross-world.com; 'Md. Rubayet Shamim'; Syed Abdullah Al; Raihanul Haque Mazumder; Ziaur Rahman; Fidaul Gias
Subject: RE: Request for site visit & BOQ for 500 KVA Genset
Attachments: BOQ_500 KVA.XLSX

Dear Moazzem Bhai,

Please find the attached revised quotation and proceed for installation work.

Thanks & Best Regards

Raju

(F A M Munirujjaman Raju)
Associate Manager, Infrastructure Project Development (E & M)
Infrastructure Development & Management (IDM)
BRAC Bank Limited.
220/b, Anik Tower, Level - 1,
Tejgaon Link Road.
Cell: 01730-352569
PABX: 8801301-32, Ext: 5131
www.bracbank.com

From: Moazzem Hossain [mailto:moazzem@cross-world.com]
Sent: Tuesday, May 2, 2017 6:03 PM
To: Syed Abdullah Al
Cc: K.M. Firoj Ashrafuzzaman; F.A.M. Munirujjaman Raju; 'Ariful Islam'; habib@cross-world.com; 'Md. Rubayet Shamim'
Subject: FW: Request for site visit & BOQ for 500 KVA Genset

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Dear Sir ,
Please find attached Installation Materials BOQ (Part A & B) for 500 KVA Genset . Please feel free to contact with me for further query.

Thanks & Best Regards,

Md. Moazzem Hossain | CROSS WORLD POWER LTD | Sr. Executive (Service)| House NE(O)06, Road 92, Gulshan-2, Dhaka 1212, Bangladesh| p: +880 2 5881 1858, 989 1442 | m: 01755514733 | f: +880 2 5881 6205 | e: moazzem@cross-world.com | w: www.cross-world.com

From: Rahat Fahim manwar [mailto:manwar@cross-world.com]
Sent: Tuesday, May 02, 2017 10:48 AM
To: ariful@cross-world.com
Cc: rubayet@cross-world.com; moazzem@cross-world.com; 'Sultan Sakhawat sarkar'; 'Md. Mizanur Rahman '