

## Test Run and Commissioning Sheet

Serial Number **GV517900966373E**

## Customer:

Customer Name & Address:	<b>AL-Arafah islami bank, Jhanadbeh</b>	
Contact No:	<b>01911-329293</b>	Tel:
	<b>Manager, AABL</b>	Tel:

## Gen set:

Product ID (Plant No.):	<b>20E13650A/1</b>				
Gen Set:	Model	KVA		Details	
	<b>PS-20</b>	<b>20</b>			
Engine:	Brand	Model No		Serial No	
	<b>PERKINS</b>			<b>GV517900966373E</b>	
Alternator:	Brand	Model No		Serial No	
	<b>Stamford</b>			<b>B10B060622</b>	
Year of Manufacturing	<b>Foreign ATS</b>				
ATS Type	Nil	Local	Foreign	Magnetic Contractor	Brand & Model
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<b>ABB</b>
Canopy Type	Open	Local	Foreign	Canopy internal insulation	Good/Not Good
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<b>32A</b>
Controller Model	<b>7120mk11</b>	Battery Charger		Connected	Not Connected
				<input checked="" type="checkbox"/>	

## Installation:

Place Of Installation	<b>08.06.21</b>	Date of Delivery	<b>08.06.21</b>
Date Of Installation	<b>08.06.21</b>	Date Of Commissioning	<b>08.06.21</b>
Warranty Expiration date		Free Service Period	

**12 MONTH / 2000 HOUR WHICHEVER COME FIRST FROM THE DATE OF COMMISSIONING**

## Load Test:

Item No	KW	Hz/Speed	Voltage Phase-N			Current			Oil Pressure Bar	Temperature °C
			V1-N	V2-N	V3-N	I1	I2	I3		
1	10	50/1520	230	230	230	13A	13A	12A	05	69°
2	12	50/1520	231	231	231	14A	14A	14A	05	60°
3										
4										
5										
6										
7										
8										
9										
10										



### Related Documents


User Manual	Yes <input checked="" type="checkbox"/>	No	Electrical Diagram of Gen. Set	Yes <input checked="" type="checkbox"/>	No
Maintenance/User Hand Book	Yes <input checked="" type="checkbox"/>	No	Electrical Diagram of Foreign ATS	Yes <input checked="" type="checkbox"/>	No

### Warranty Dose Not Cover:

- ☹ Defects due to users improper maintenance (Not following the maintenance instruction by Manufacturer)
- ☹ All Consumable items (Not following the user guide/manual by Manufacturer)
- ☹ Normal Wear & Tear
- ☹ Alterations or repairs of any parts without prior approval by authorized Manufacturer/Distributor.
- ☹ Not Following written Instruction/Comments/Recommendation given by Commissioning Manager / Engineer.

For Cross World Group

For Customer

  
Commissioning Engineer

Date: 13.06.21

The Gen set has been commissioned successfully & handed over without any discrepancy. We understood the operational procedure.

Response Time	Fast	Slow	Customer observation about product & service			
			Delighted	Very Satisfactory	Satisfactory	Unsatisfactory
Product Problem Identification	OK	Not Ok	Remarks (If any):			
Operation Procedure Explanation	Ok	Not Ok				
Service Engineer Behavior	Ok	Not Ok				
Additional Work / service/Commissioning Done	Ok	Not Ok				

CWG-QM/FORM-0043

Revision No.: 00

Page 2 of 2

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For AL-ARAFAH ISLAMIC BANK LTD.

Manager  
Jhenaidah Branch, Jhenaidah.





## Electrical and Mechanical Installation Sheet

Serial Number: GCV51790V 066373 E

Project Name	AL-Arafah Islami bank	kVA/Model	20kVA/PS-20
Address:	Jhenaidah	Date	

STEP 1 : Check points when shipment arrive to site		Remarks
Engine & Alternator		OK
1	No visual damage to engine or generator.	OK
2	Visual damage to engine or generator.	OK
3	Gen set Placement (Leveling & bolting)	OK
If there is any visual damage, please inform concern dept.		OK

Step 2 : Gen set room /environmental condition		Ok	Not ok	Remarks
1	Sufficient space around the generator for movement	OK		
2	Proper light and air inside the room	OK		
3	Dust proof, neat and clean	OK		

Step 3 : Cable selection & termination		Ok	Not ok	Remarks
1	Check the power cable rating and insulation quality	OK		
2	Check the control & signal cable	OK		
3	Cable laying & dressing	OK		
4	Cable marking & termination	OK		
5	Cable trench / tray (If any)	OK		
6	Power cable connections from Alternator - ACB, ACB-ATS, ATS-LT	OK		
7	LT/Load are correct (Balanced)	OK		
8	Phase Sequence	OK		

Step 4 : Earthing System/connection		Ok	Not ok	Remarks
1	Separate earthing for generator	OK		
2	Earthing result below 1 ohm	OK		
3	Connection from earthing bar to generator/ATS ( body & neutral)	OK		

Step 5 : Exhaust/silencer System-		Ok	Not ok	Remarks
1	Mounting of Exhaust silencer	OK		
2	Rigid / flexible fixing of exhaust pipe	OK		
3	Diameter & Length of exhaust pipe *	OK		
4	Support system	OK		
5	Extra flexible if required	OK		
6	Rain cap	OK		
7	Insulation & Quality	OK		
8	Alignment	OK		
9	Drainage point	OK		
10	Gasket fittings and leveling	OK		
11	Bolting, tightening & welding	OK		

STEP 6 : Radiator System		Ok	Not ok	Remarks
1	Ducting Dimension	OK		
2	Opening area of ducting	OK		

CWG-QM/FORM-0042

Revision No.: 00

Page 1 of 2

Received Payment  
For AL-ARAFAH ISLAMIC BANK LTD.  
13.06.21  
Manager  
Jhenaidah Branch, Jhenaidah.





3	Canvas cloth fitting	OK		
4	Support system	OK		
5	Out flow / louver	OK		
6	Water Drain line	OK		
7	Coolant Spec	OK		
8	DM Water	OK		

**STEP 7 : Fuel System**

		Ok	Not ok	Remarks
1	Check fuel day tank placement / capacity *	OK		
2	Check fuel reservoir placement / capacity *	OK		
3	Fuel feed line (MS pipe Diameter)	OK		
4	Fuel return line (MS pipe ,Diameter)	OK		
5	Fuel tank height & size/capacity ( for 4000 series)	OK		

**STEP 8 : Ventilation System**

		Ok	Not ok	Remarks
1	Check all ventilation blowers are installed as per engine requirement, wiring and its connection to DB/MCC.	OK		
2	Ducting for ventilation system	OK		
3	Check the air flow/capacity of the ventilation fan	OK		
3	Louver/ ventilation fan placement / condition checking (if necessary)	OK		
4	Pre-filtration system for air intake	OK		

**STEP 9 : Miscellaneous**

		Ok	Not ok	Remarks
1	Breather pipe extension	OK		
2	Battery terminal connection and its condition.	OK		
3	Check availability of distilled water, lube oil, coolant and diesel for commissioning as required	OK		
4	Check hanging condition of the ATS on the wall.	OK		
5	Visual condition of the Canopy, ATS, Fuel tank etc.	OK		
6	Lube oil drain line	OK		
7	Check and make overall comment on environmental condition to run the generator	OK		

We have checked and certify that the works mentioned above has done as per our drawing/design/requirements/recommendations.

Cross world Personnel : Nazmul Signed : [Signature] Date : 13.06.21

End user personnel : \_\_\_\_\_ Signed : \_\_\_\_\_ Date : \_\_\_\_\_

CWG-QM/FORM-0042

Revision No.: 00

Page 2 of 2

Received Payment  
For AL-ARAFAH ISLAMIC BANK LTD.  
Jhenaidah Branch, Jhenaidah.  
Manager  
13.06.21

COMPLETION CERTIFICATE

DATE: 13.06.2021

To,

Project Name : AL-Arafah Islami bank Ltd. Jhenaidah

COMPLETION CERTIFICATE OF DIESEL GENERATING SET PLANT ID: 20E13650A/1  
---MODEL #-----PS 20-----

Dear Sir,

We have since completed installation, testing and commissioning of above generating set with model ~~PM~~/PS 20 and tested it as per **ALLAM's** manual on the Date 13.6.21 in presence of your representative/operator and found satisfactory performance in all respect and handed over its key and all the relevant standard accessories, equipment and manuals to your representative.

We have also explained your operator how to conduct daily, weekly, monthly as well as all other inspections/services as called for in the **ALLAM's** manual for smooth and trouble free operation of this generator. We shall cover **warranty** for the next 12 (Twelve) months from the date of its delivery, as per **ALLAM's** terms and conditions of sales.

If you disagree with us and have any other query, please inform us as soon as possible. If we do not hear from you within next 7 (seven) days, contrary to what we have stated above, we shall consider that the plant has been received by you in a satisfactory condition.

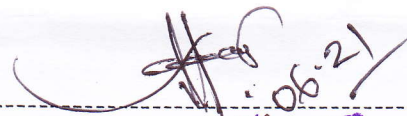
Yours faithfully,  
**Cross World Power Ltd.**



For and on behalf of



received the Plant in  
**Good order & condition.**



Received Payment  
For AL-ARAFAH ISLAMI BANK LTD.

Manager  
Jhenaidah Branch, Jhenaidah.





DATE: 13.06.21

To,

Project Name: AL-Arafah Islami Bank Ltd. Jhenaida

Dear Sir,

We would like to express our heartfelt gratitude for providing us the opportunity to serve you with our generator. The KVA Tempest brand diesel generator has been commissioned and is presently running properly.

The product that Cross World supplies are of highest quality and would definitely outlive any generator that you have used in the past provided the generators are maintained properly. And to achieve that there is no alternative to routine servicing of the generators.

It is essential that the new generator must undergo routine servicing for the **first time after running for 120 hours, followed by routine servicing after every 200 hours of running.** During each routine servicing basically lube oil filter, fuel filter, coolant and lube oil needs to be changed. Air filter needs to be changed after every 400 hours of running. This is the standard rule, but if the generator is in dusty environment then the air filter may require changing at every 200 or less hours of running.

Saline water in the radiator would eventually damage the engine block, resulting in seizure of the engine. We suggest you to avoid using normal tap water in the radiator as well. Our recommendation is to use distilled water in the radiators. The radiator must also be serviced once every 400 hours of running if not earlier. Basically, if the above rules are followed strictly, your generators will have a service life of over 10 years without hassle.

All diesel generators are used as per their application (Prime/Stand By/Base load) recommended in **ISO 8528**. It is also recommended that the generators depending on the usage should follow the instruction as per O & M / User Manual and maintain a recommended ventilation system inside engine room.

There is another critical issue that is often overlooked by our clients. It is the air circulation within the generator room. The fresh cold air flow into the room is sucked in by the engine for combustion. To keep the ambient temperature to a minimum, a continuous in-flow and out-flow of air is a must. Otherwise, if the ambient temperature reaches over 45°C, the engine temperature shoots up, resulting in premature shutdown.

We believe it is our prerogative to keep each of our customers aware of the critical issues regarding the products that we supply and we can only request you to instruct the persons responsible for maintenance of the gen set to inform us to perform routine servicing upon completion of the running hours mentioned above. In any case, we would have our engineers proactively contact your maintenance department time to time.

We hope the above information would be helpful for your maintenance team.

Thank you once again for extending your support.

Sincerely yours,  
Cross World Group

CWG-QM/FORM-0044A

Revision No.: 00

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For AL-ARAFAH ISLAMI BANK LTD.

Manager  
Jhenaidah Branch, Jhenaidah.

Page 2 of 2



**Delivery Challan**

<b>From</b> <b>Cross World Power Limited.</b> House # 1/B, Road # 90, Gulshan-2, Dhaka-1213. Tell: 8811858, 8816528 Fax: 8816205	<b>To</b> <b>Al Arafah Islami Bank Limited.</b> 36, Dilkusha Commercial Area, Dhaka-1000.  BM Rezoan Hossain 01819195014
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Sales Person: Md. Ariful Islam	Contact No: 01755 514 731
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Site Address: Jhenaidah Branch.
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Challan No: CWPL-DO/0164/21	Your Order No: CWPL-AM/1305/21
Date of Delivery: Jun 07, 2021	Date: Jun 05, 2021

Serial No.	Description of Goods	Unit	Quantity	Remarks
01	Supply of Auto 20 KVA Diesel Generator Brand: Tempest Engine: Perkins Alternator: Stamford	Set	01	All materials are in good condition
02	Supply of Battery	Set	01	
03	Supply of Battery Cable (2 Nos.)	Set	01	
04	Supply of Silencer Box	Set	01	
05	Supply of Bellows	Set	01	
06	Supply of Local Canopy for 20 KVA Genset	Set	01	
07	Supply of <del>Local</del> Auto Transfer Switch (ATS) for 20 KVA Genset	Set	01	

Prepared By

Signature

Name: Md. Sohel Ahmed  
 Designation: Executive (Store)  
 Office ID: 1403  
 Contact No: 01755514745

Delivery By

Signature

Name: AKM Saiful Bashar  
 Designation: Sr. Executive (Logistics)  
 Office ID: 1020  
 Contact No: 01755514742

Received by Customer

Signature

Name:  
 Designation:  
 Office ID:  
 Contact No:

CWG-QM/FORM-0033

Revision No. 00

Page 1 of 1

Received Payment  
 For AL-ARAFAH ISLAM BANK LTD.

Manager  
 Jhenaidah Branch, Jhenaidah.

# CROSS WORLD POWER LTD

## Delivery Challan

To  
Al Arafah Islami Bank Limited

Site Address : Jhinaidah

Challan No : 5643  
Date : 7-Jun-21  
Offer Ref. : CWPL-AM/1305/21

SL	Code	Part No	Product Name	Unit	RecQty
✓1	6873	NY Y 4X10 RM.	Power Cable NY Y-4X10 RM	Mtr	38.00
✓2	6827	10rm.	Cable Lugs 10rm.	Pc	26.00
✓3	4906	4X1.2 RM	Control Cable 4X1.2 rm	Mtr	58.00
✓4	2970	1.5 Inch.	Flexible Pipe PVC	Mete	38.00
✓5	8016		royal plug and Screw	Pack	4.00
✓6	3610	1.5 Inch.	saddle	Pc	40.00
✓7	2951	R,Y,B,B, G	PVC Tape	Pcs	4.00
✓8	9186	10 mm	Royal Bolt 10 mm	Pc	10.00
✓9	3738	"8""	Cable Tie	Pack	1.00
✓10	8907	4Cx10 RM	Cable Laying Works.	Mtr	38.00
✓11	8763		Earthing Boring	Job	1.00
✓12	9270	4 SWG	Earthing Copper Lead	Mtr	30.00
✓13	8519	3/4"	PVC Flexible Pipe .75 Inch	Mtr	3.00
✓14	6368	.75	Saddle	Pc	3.00
✓15	8971	38.1 mm	GI Pipe	Mtr	7.00
✓16	4694		Earthing Block.	Pc	1.00
✓17	3894	1X10 RM	Earthing Cable 1X10 RM	Mtr	6.00
✓18	7842	10rm.	Earthing Cable Lugs 10rm.	Pc	5.00
✓19	8465	3 Inch.	Exhaust Silencer Pipe 3"	Mtr	4.00
✓20	6866	3 inch	Exhaust Bend -3-inc	Pc	1.00
✓21	6374		Exhaust Heat Insulation.	Job	1.00
✓22	8470		Exhaust Fitting.	Job	1.00
✓23	3388	Premixed	Coolant Havoline	Ltr	10.00
✓24	8571	Petronus, 15w40	Lube Oil	Ltr.	10.00
✓25	3707		Battery Acid	Ltr	10.00
				<b>Total :</b>	<b>350.00</b>

Receive the Material(s) in good order & condition

Delivery By :

Signature :  
Name :  
ID / Mobile :  
Date :




Signature :  
Name :  
ID / Mobile :  
Date :

Received Payment  
For AL-ARAFAH ISLAMIC BANK LTD  
Jhinaidah Branch, Jhera  
12-00