

Test Run and Commissioning Sheet

Serial Number

Customer: Eastern Bank Ltd (EBL), Kachukhate, Dhaka.
 Customer Name & Address:
 Contact No: Mr. Taher. Tel: 01786-10 868014

Unit Set:
 Product ID (Unit No.): 20E13565A/4
 Unit Set: PS 20 Model KVA 20 Details
 Engine: Perkins Brand Model No Serial No G1V51790 U 49719 23E
 Generator: Stamford Brand Model No Serial No B19A049.322
 Year of Manufacturing:
 S.T. Nil Local Foreign Magnetic Contractor ABB, AX25 Capacity (Amp) 32 Amps
 Canopy Type Open Local Foreign Canopy internal insulation Good/Not Good Canopy Sound performance Good / Not Good
 Controller Model DSE H20MK6 Battery Charger Connected Not Connected

Installation:
 Place Of Installation EBL Kachukhate Date of Delivery 29/09/21
 Date Of Installation 10/10/21 Date Of Commissioning 13/10/2021
 Warranty Expiration Free Service Period

365 DAYS / 1500Hrs whichever come first from the date of commissioning. 10/10/21

Item No	KW	Hz/Speed	Voltage Phase-N			Current			Oil Pressure Bar	Temperature °C
			V1-N	V2-N	V3-N	I1	I2	I3		
1		52.1/182	232	232	232	1A	1A	2A	3.93	52
2										
3										
4										
5		52/186	234	234	234	0	0	0	3.093	60
6										
7										
8										
9										
10										



Documents

Manual	Yes	No	Electrical Diagram of Gen. Set	Yes	No
Maintenance/User Book	Yes	No	Electrical Diagram of Foreign ATS	Yes	No

Warranty Dose Not Cover:

- Effects due to users improper maintenance (Not following the maintenance instruction by manufacturer)
- 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 Customer

14.10.2021

or Cross World Group

Commissioning Engineer

Date: 14/10/2021

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

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



COMPLETION CERTIFICATE

DATE:

To,

Eastern Bank Ltd

Project Name Eastern Bank Ltd (EBL), Kachukhate, Dhaka.

COMPLETION CERTIFICATE OF DIESEL GENERATING SET PLANT ID: 20E13565A/4

---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 13/10/21 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.

received the Plant in
Good order & condition.

Taher

14.10.2021

For and on behalf of



DATE:

To,
< Client Name>
<Address>
<Contact Personnel><Position><Cell #>

Project Name <.....> EBL, Eastern Bank Ltd, Karhukhate
Dhaka.

Dear Sir,

We would like to express our heartfelt gratitude for providing us the opportunity to serve you with our generator. The 20
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

Page 2 of 2



Electrical and Mechanical Installation Sheet

Serial Number:

Project Name	Eastern Bank Ltd.	kVA/Model	PS 20
Address:	Kachukhate, Dhaka.	Date	13/10/21

STEP 1 : Check points when shipment arrive to site

Engine & Alternator

		Remarks
1	No visual damage to engine or generator.	✓
2	Visual damage to engine or generator.	No
3	Gen set Placement (Leveling & bolting)	✓
If there is any visual damage, please inform concern dept.		

Step 2 : Gen set room /environmental condition

	Ok	Not ok	Remarks
1	✓		Sufficient space around the generator for movement
2	✓		Proper light and air inside the room
3	✓		Dust proof, neat and clean

Step 3 : Cable selection & termination

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

Step 4 : Earthing System/connection

	Ok	Not ok	Remarks
1	✓		Separate earthing for generator
2	✓		Earthing result below 1 ohm
3	✓		Connection from earthing bar to generator/ATS (body & neutral)

Step 5 : Exhaust/silencer System-

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

STEP 6 : Radiator System

	Ok	Not ok	Remarks
1	✓		Ducting Dimension
2	✓		Opening area of ducting
3	✓		Canvas cloth fitting



4	Support system	✓		
5	Out flow / louver	✓		
6	Water Drain line	✓		
7	Coolant Spec	✓		
8	DM Water	✓		

STEP 7 : Fuel System		Ok	Not ok	Remarks
1	Check fuel day tank placement / capacity *			N/A
2	Check fuel reservoir placement / capacity *			
3	Fuel feed line (MS pipe Diameter)			
4	Fuel return line (MS pipe ,Diameter)			
5	Fuel tank height & size/capacity (for 4000 series)			

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.			N/A
2	Ducting for ventilation system			
3	Check the air flow/capacity of the ventilation fan			
3	Louver/ ventilation fan placement / condition checking (if necessary)			
4	Pre-filtration system for air intake			

STEP 9 : Miscellaneous		Ok	Not ok	Remarks
1	Breather pipe extension			N/A
2	Battery terminal connection and its condition.	✓		
3	Check availability of distilled water, lube oil, coolant and diesel for commissioning as required	✓		
4	Check hanging condition of the ATS on the wall.	✓		
5	Visual condition of the Canopy, ATS, Fuel tank etc.	✓		
6	Lube oil drain line	✓		
7	Check and make overall comment on environmental condition to run the generator	✓		

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

Cross world Personnel : MD. Mizanur Rahman Signed : [Signature] Date : 14/10/2021
 End user personnel : Taher Signed : [Signature] Date : 14.10.2021

CROSS WORLD POWER LTD
Delivery Challan

To
Eastern Bank Limited
Jiban Bima Bhaban
10, Dilkusha,

Site Address Kachukhet, Dhaka

Challan No 5760
Date 28-Sep-21
Offer Ref. CWPL-AM/1933/21

SL	Code	Part No	Product Name	Unit	RecQty
1	6873	NYN 4X10 RM.	Power Cable NYN-4X10 RM	Mtr	39.00
2	6827	10rm.	Cable Lugs 10rm.	Pc	26.00
3	4906	4X1.2 RM	Control Cable 4X1.2 rm	Mtr	64.00
4	2970	1.5 Inch.	Flexible Pipe PVC	Meter	38.00
5	5933	1.50"	saddle	Pack	45.00
6	9186	10 mm	Royal Bolt 10 mm	Pc	10.00
7	2994	8 Inch.	Cable tie 8 Inch.	Pack	3.00
8	3894	1X10 RM	Earthing Cable 1X10 RM	Mtr	6.00
9	7842	10rm.	Earthing Cable Lugs 10rm.	Pc	5.00
10	3388	Premixed	Coolant Havoline	Ltr	10.00
11	8571	Petronus, 15w40	Lube Oil	Ltr.	10.00
12	3707		Battery Acid	Ltr	10.00
13	8016		royal plug and Screw	Pack	5.00
14	2951	R,Y,B,B, G	PVC Tape	Pcs	8.00
15	2992	20 KVA	ATS	Set	1.00
16	9690	20 KVA	Local Canopy 20 KVA (Top of the Canopy)	Set	1.00
Total :					251.00



Delivery By :

Signature

Name

ID / Mobile

Date

Md. Mizanur Rahman
Md. Mizanur Rahman
01755514779
14/10/2021

Receive the Material(s) in good order & condition

Signature

Name

ID / Mobile

Date

Taher
Taher
01710 868014
14.10.2021

CROSS WORLD POWER LTD

Delivery Challan

To
Eastern Bank Limited
Jiban Bima Bhaban
10, Dilkusha,

Site Address Kachukhet, Dhaka

Challan No 5766
Date 2-Oct-21
Offer Ref. CWPL-AM/1933/21

Sl	Code	Part No	Product Name	Unit	RecQty
1	7628		Power Cable Laying 4x10 mm.	Mtr	38.00
2	4694		Earthing Block.	Pc	1.00
3	8465	3 Inch.	Exhaust Silencer Pipe 3"	Mtr	17.00
4	6866	3 inch	Exhaust Bend -3-inc.	Pc	1.00
5	6374		Exhaust Heat Insulation.	Job	1.00
6	8470		Exhaust Fitting.	Job	1.00
7	7341		Radiator ducting work.	Sft	50.00
Total :					109.00



Delivery By :

Receive the Material(s) in good order & condition

Signature

Name

ID / Mobile

Date

MD. Mizanur Rahman
MD. Mizanur Rahman.
01755514779.
14/10/2021

Signature

Name

ID / Mobile

Date

Taher
Taher
01710868014
14.10.2021