Cross-world

Test Run and Commissioning Sheet

Serial Number

Customer : HAZI SHAWKAT ALI

Customer Name & Address:	Chand Community Center, Hossaini Dalan, Zahir Raihan Rd, Dhaka -1211	
Contact No:	MR. AKIL	Tel: 01671847484

Gen set:

Product ID (Plant No.):	21E13680 B/4						
Gen Set:	Model: PM60	KVA: 60 KVA	Details:				
Engine:	Brand: Perkins	Model No:	Serial No: DK3200U5483631F				
Alternator:	Brand: Mecalte	Model No:	Serial No: U002334				
Year of Manufacturing							
ATS Type: Nil / Local ✓ / Foreign	Magnetic Contractor	Brand & Model: ABB, AX80-30	Capacity (Amp): 125 AMPS				
Canopy Type: Open / Local ✓ / Foreign	Canopy internal insulation	Good/Not Good: Good ✓	Canopy Sound performance	Good / Not Good: Good ✓			
Controller Model: DSE7420 MK11	Battery Charger	Connected ✓	Not Connected				

Installation:

Place Of Installation	Puran Dhaka	Date of Delivery	17/07/24
Date Of Installation	10/9/24	Date Of Commissioning	12/09/2024
Warranty Expiration date		Free Service Period	

365 DAYS / 1500 H whichever come first From the date of Commissioning, ok

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		52/1572	233	233	234	0	0	0	5.37	58
2										
3										
4		51.9/1565	233	232	239	20	9	0	4.82	70
5										
6										
7										
8		51.9/1565	233	232	239	20	18	2	4.82	70
9										
10										

Cross-world

Related Documents

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

Commissioning Engineer

Date: 12/09/21

For Customer

12.09.2021

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**			
Product Problem Identification	OK	Not Ok	Delighted	Very Satisfactory	Satisfactory	Unsatisfactory
Operation Procedure Explanation	Ok	Not Ok	**Remarks (If any):**			
Service Engineer Behavior	Ok	Not Ok				
Additional Work / service/Commissioning Done	Ok	Not Ok				

Cross-world

COMPLETION CERTIFICATE

DATE:

To,

Hazi Shakat Ali

Project Name :..... Hazi Shakat Ali

COMPLETION CERTIFICATE OF DIESEL GENERATING SET PLANT ID: 21E13680B/4

---MODEL #..... PM 60

Dear Sir,

We have ~~since~~ completed installation, testing and commissioning of above generating set with model PM/PS 60 and tested it as per **ALLAM's** manual on the Date 12/09/21 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.

12.09.2021

Cross-world

DATE:

To, Hazi Shokat Ali

Project Name:..... Hazi Shokat Ali

Dear Sir,

We would like to express our heartfelt gratitude for providing us the opportunity to serve you with our generator. The 60 **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

12.09.2021

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	✓		
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 : Date : 12/09/21

End user personnel : MD. AKIL Signed : Date : 12.09.21

Cross-world

Electrical and Mechanical Installation Sheet

Serial Number:

Project Name	Haji Shokat Ali	kVA/Model	PM - 60
Address:	Chankharpul, Dhaka	Date	12/09/21

STEP 1 : Check points when shipment arrive to site		Remarks
Engine & Alternator		
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)			N/A
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	✓		