



Test Run and Commissioning Sheet

Serial Number

21E13680E/2

Customer :

Customer Name & Address:	Nasa Group, Raza Pur		
Contact No:	Ra2209	Tel:	01739217042
		Tel:	

Gen set:

Product ID (Plant No.):	21E13680E/2						
Gen Set:	Model	KVA		Details			
	PL-100	100		21E13680E/2			
Engine:	Brand	Model No		Serial No			
	Perkins			RJ51175U694545F			
Alternator:	Brand	Model No		Serial No			
	Leroy Somer			37978200097			
Year of Manufacturing							
ATS Type	Nil	Local	Foreign	Magnetic Contractor	Brand & Model	Capacity (Amp)	
					ABB AF-145-30	145 Am	
Canopy Type	Open	Local	Foreign	Canopy internal insulation	Good/Not Good	Canopy Sound performance	Good / Not Good
Controller Model	DSF 7120MKII		Battery Charger		Connected	Not Connected	

Installation:

Place Of Installation	Comilla	Date of Delivery	
Date Of Installation	10.9.2021	Date Of Commissioning	10.09.2021
Warranty Expiration date	As per Agreement	Free Service Period	As per Agreement

365 DAYS/1500H 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		50/1500	230	230	230	400	400	400	5.2	65°C
2		50/1500	230	231	230	400	400	400	5.2	65°C
3		50/1500	230	230	231	400	400	400	5.1	66°C
4										
5										
6										
7										
8										
9										
10										



Related Documents


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

Warranty Dose Not Cover:

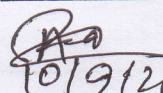
- ☹ Defects due to users improper maintenance (Not following the maintenance instruction by Manufacturer)
- ☹ All Consumable items (Not following the user guide/manual by Manufacturer)
- ☹ Normal Wear & Tear
- ☹ Alterations or repairs of any parts without prior approval by authorized Manufacturer/Distributor.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

For Cross World Group

For Customer


Commissioning Engineer

Date: 10.09.2021


10/9/21

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			
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				

Electrical and Mechanical Installation Sheet

Serial Number: **21E13680E/2**

Project Name	Raja Pura	kVA/Model	PL-100
Address:	Comilla	Date	10-09-2021

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.	
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	OK		OK
2	Proper light and air inside the room	OK		OK
3	Dust proof, neat and clean	OK		OK

Step 3 : Cable selection & termination		Ok	Not ok	Remarks
1	Check the power cable rating and insulation quality	OK		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		OK

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

Step 5 : Exhaust/silencer System-		Ok	Not ok	Remarks
1	Mounting of Exhaust silencer	OK		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		OK

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



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

STEP 7 : Fuel System		Ok	Not ok	Remarks
1	Check fuel day tank placement / capacity *	OK		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		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		OK
2	Ducting for ventilation system			
3	Check the air flow/capacity of the ventilation fan	OK		OK
3	Louver/ ventilation fan placement / condition checking (if necessary)	OK		OK
4	Pre-filtration system for air intake	OK		OK

STEP 9 : Miscellaneous		Ok	Not ok	Remarks
1	Breather pipe extension	OK		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		OK
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 Rafiqueul Islam Signed : [Signature] Date : 10.09.2021

End user personnel : Mr. A. Razzaq Signed : [Signature] Date : 10.9.21



DATE: 10-09-2021

To,

Project Name: Raja Pur Chairman House Hef 20 bivad

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.

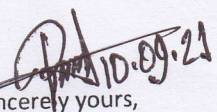
All diesel generators are used as per their application (Prime/Stand By/Base load) recommended in **ISO 8528**. It is also recommended that the generators depending on the usage should follow the instruction as per O & M / User Manual and maintain a recommended ventilation system inside engine room.


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


10/9/21

COMPLETION CERTIFICATE

DATE: 10.09.2021

To,

Project Name :

Raja Pur

COMPLETION CERTIFICATE OF DIESEL GENERATING SET PLANT ID:

21E13680E/2

---MODEL #.....

PL 100

Dear Sir,


We have since completed installation, testing and commissioning of above generating set with model PM/PS PL 100 and tested it as per **ALLAM's** manual on the Date 10.9.21 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.

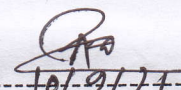
We have also explained your operator how to conduct daily, weekly, monthly as well as all other inspections/services as called for in the **ALLAM's** manual for smooth and trouble free operation of this generator. We shall cover **warranty** for the next 12 (Twelve) months from the date of its delivery,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


For and on behalf of


10/9/21