

Test Run and Commissioning Sheet

Serial Number

Customer :

Customer Name & Address:	Signature II; Gulzare Rahmat, R-25, Banani, Dhaka.		
Contact No:	Md. Ashraf	Tel: 01755664282	
	Md. Mosammat	Tel: 01755664290	

Gen set:

Product ID (Plant No.):	20E13650G/1						
Gen Set:	Model	KVA		Details			
	PL 200	200KVA					
Engine:	Brand	Model No		Serial No			
	Perkins			PR83518U0737 SIF			
Alternator:	Brand	Model No		Serial No			
	Long-sun.			3727710002A			
Year of Manufacturing							
ATS Type	Nil	Local	Foreign	Magnetic Contractor	Brand & Model		Capacity (Amp)
Canopy Type	Open	Local	Foreign	Canopy internal insulation	Good/Not Good	Canopy Sound performance	Good / Not Good
Controller Model	DSE 7320MA		Battery Charger	Connected	Not Connected		

Installation:

Place Of Installation	Banani, Dhk	Date of Delivery	25/3/21
Date Of Installation	30.08.21	Date Of Commissioning	31.08.21
Warranty Expiration date		Free Service Period	

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	224	234	234	7	0	21	5.57	56°C
2										
3		50/1500	224	234	234	12	10	25	5.48	59°C
4										
5										
6										
7										
8										
9										
10										

31/08/21



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: 31/08/21

For Customer

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				

Generator shed must be required; water strictly must be prohibitate. Otherwise warranty will be void.

Electrical and Mechanical Installation Sheet

Serial Number:

Project Name	<i>Signature 11</i>	kVA/Model	<i>PL 200</i>
Address:	<i>21.8.21 Banani,</i>	Date	<i>31.8.21</i>

STEP 1 : Check points when shipment arrive to site		Remarks
Engine & Alternator		
1	No visual damage to engine or generator.	<i>OKAY</i>
2	Visual damage to engine or generator.	<i>NOT FOUND</i>
3	Gen set Placement (Leveling & bolting)	<i>GOOD</i>
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	<input checked="" type="checkbox"/>		
2	Proper light and air inside the room	<input checked="" type="checkbox"/>		
3	Dust proof, neat and clean	<input checked="" type="checkbox"/>		

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

Step 4 : Earthing System/connection		Ok	Not ok	Remarks
1	Separate earthing for generator	<input checked="" type="checkbox"/>		<i>Done by client.</i>
2	Earthing result below 1 ohm	<input checked="" type="checkbox"/>		
3	Connection from earthing bar to generator/ATS (body & neutral)	<input checked="" type="checkbox"/>		<i>Confirmed by client</i>

Step 5 : Exhaust/silencer System-		Ok	Not ok	Remarks
1	Mounting of Exhaust silencer	<input checked="" type="checkbox"/>		
2	Rigid / flexible fixing of exhaust pipe	<input checked="" type="checkbox"/>		
3	Diameter & Length of exhaust pipe *	<input checked="" type="checkbox"/>		<i>Done by client.</i>
4	Support system	<input checked="" type="checkbox"/>		
5	Extra flexible if required	<input checked="" type="checkbox"/>		<i>N/A.</i>
6	Rain cap	<input checked="" type="checkbox"/>		
7	Insulation & Quality	<input checked="" type="checkbox"/>		
8	Alignment	<input checked="" type="checkbox"/>		<i>Need shed.</i>
9	Drainage point	<input checked="" type="checkbox"/>		
10	Gasket fittings and leveling	<input checked="" type="checkbox"/>		
11	Bolting, tightening & welding	<input checked="" type="checkbox"/>		

STEP 6 : Radiator System		Ok	Not ok	Remarks
1	Ducting Dimension	<input checked="" type="checkbox"/>		
2	Opening area of ducting	<input checked="" type="checkbox"/>		



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 *	✓		
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)			N/A

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.	✓		
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			Good

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

Cross world Personnel

:

Nabir

Signed

Date

31/8/21

End user personnel

:

Md. Asraful Islam

Signed

Date

31/08/21

COMPLETION CERTIFICATE

DATE: 31/8/21

To,

Signature 11

Project Name : Gulzare Rahmat .

COMPLETION CERTIFICATE OF DIESEL GENERATING SET PLANT ID:

20E13650G/1

---MODEL #-----PL 200-----

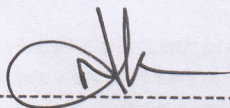
Dear Sir,

We have since completed installation, testing and commissioning of above generating set with model PM/PS 200 and tested it as per **ALLAM's** manual on the Date 31/8/21 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.

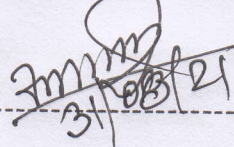
If you disagree with us and have any other query, please inform us as soon as possible. If we do not hear from you within next 7 (seven) days, contrary to what we have stated above, we shall consider that the plant has been received by you in a satisfactory condition.

Yours faithfully,
Cross World Power Ltd.



For and on behalf of

received the Plant in
Good order & condition.


31/08/21



DATE:

31/8/21

To,

Signature 11.

Project Name:

Gulzare Rahmat.

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. 20

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

31/08/21