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Test Run and Commissioning Sheet

Serial Number

Customer :

Customer Name & Address:	Titas Sweater industries Ltd. kashimpur	
Contact No:		Tel: konabari, Gazipur
	Mr. Anowar	Tel: 01673469500

Gen set:

Product ID (Plant No.):	19E13388H/2			
Gen Set:	Model	KVA	Details	
	PS 650	650		
Engine:	Brand	Model No	Serial No	
	Perkins	2806A-E18TAG2	JGBF5151N04342C	
Alternator:	Brand	Model No	Serial No	
	Stamford	HC1544F1	A18L490548	
Year of Manufacturing				

ATS Type	Nil	~~Local~~	Foreign	Magnetic Contractor	Brand & Model: ABB-1000A	Capacity (Amp): 1000 A	
Canopy Type	~~Open~~	Local	Foreign	**Canopy internal insulation**	Good/Not Good	**Canopy Sound performance**	Good / Not Good
Controller Model	DSE7320 MKII			**Battery Charger**	✓ Connected	Not Connected	

Installation: kashimpur Road, konabari, Gazipur

Place Of Installation	konabari	Date of Delivery	14-03-2021
Date Of Installation	21.03.2021	Date Of Commissioning	21-03-2021
Warranty Expiration date		Free Service Period	

365 DAYS 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	231	231	231	470A	480A	470A	5.4	81°C
2		50/1500	231	231	231	430	430	430A	5.4	81°C
3										
4										
5										
6										
7										
8										
9										
10										

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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

Iqbal Hossen
Commissioning Engineer

Date: 21-03-2021

For Customer

21.3.2021

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				

Present R/H : 84H

29/4/2021
@12pm

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COMPLETION CERTIFICATE

DATE: 21-03-2021

To,

Titas Sweater industries Ltd.

Project Name :.....

COMPLETION CERTIFICATE OF DIESEL GENERATING SET PLANT ID: 19E13388H/2

---MODEL #PS 650

Dear Sir,

We have since completed installation, testing and commissioning of above generating set with model PM/PS PS650 and tested it as per **ALLAM's** manual on the Date 21/03 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.

Iqbal Hossen

For and on behalf of

received the Plant in
Good order & condition.

Cross-world

DATE: 21-03-2021

To,

Titas Sweaters Industries Ltd.

Project Name:.....

Dear Sir,

We would like to express our heartfelt gratitude for providing us the opportunity to serve you with our generator. The 650 **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

Iqbal Hossen

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Electrical and Mechanical Installation Sheet

Serial Number:

Project Name	Titas Sweater ind: Ltd	kVA/Model	PS 650
Address:		Date	

STEP 1 : Check points when shipment arrive to site		Remarks
Engine & Alternator		
1	No visual damage to engine or generator.	Yes
2	Visual damage to engine or generator.	No
3	Gen set Placement (Leveling & bolting)	OK
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			Confirm by client
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			N/A
6	Rain cap			N/A
7	Insulation & Quality	✓		
8	Alignment	✓		
9	Drainage point			N/A
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			N/A
6	Water Drain line	✓		
7	Coolant Spec	✓		Havoline premixed
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)	✓		

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

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 : Iqbal Hossen Signed : Date : 21-03-2021

End user personnel : Anowar Hossain Signed : Date : 21.03.2021