



## Test Run and Commissioning Sheet

Serial Number

& @ Ventura Properties Ltd. R#81, H#10/D, Gulshan-2

Mr. Iftekhar

Tel:

Tel: 01707-273380

Gen set:

Product ID (Plant No.): 21E13680G/3

| Gen Set: | Model  | KVA | Details |
|----------|--------|-----|---------|
|          | PL 150 | 150 |         |

| Engine: | Brand   | Model No | Serial No       |
|---------|---------|----------|-----------------|
|         | Perkins |          | PR83526U073226F |

| Alternator: | Brand       | Model No     | Serial No   |
|-------------|-------------|--------------|-------------|
|             | Leroy Somer | TAL044JJ6S/4 | 37572600013 |

| Year of Manufacturing |  |  |  |  |  |
|-----------------------|--|--|--|--|--|
|-----------------------|--|--|--|--|--|

| ATS Type | Nil | Local                               | Foreign | Magnetic Contractor | Brand & Model | Capacity (Amp) |
|----------|-----|-------------------------------------|---------|---------------------|---------------|----------------|
|          |     | <input checked="" type="checkbox"/> |         |                     | ABB           | 250 A          |

| Canopy Type | Open | Local                               | Foreign | Canopy internal insulation | Good/Not Good                       | Canopy Sound performance | Good / Not Good                     |
|-------------|------|-------------------------------------|---------|----------------------------|-------------------------------------|--------------------------|-------------------------------------|
|             |      | <input checked="" type="checkbox"/> |         |                            | <input checked="" type="checkbox"/> |                          | <input checked="" type="checkbox"/> |

| Controller Model | DSE 7120 MKII | Battery Charger | Connected                           | Not Connected |
|------------------|---------------|-----------------|-------------------------------------|---------------|
|                  |               |                 | <input checked="" type="checkbox"/> |               |

Installation: R#81, H#10/D, Gulshan-2

| Place Of Installation | Gulshan-2 | Date of Delivery | 24-08-2021 |
|-----------------------|-----------|------------------|------------|
|-----------------------|-----------|------------------|------------|

| Date Of Installation | 15/10/21 | Date Of Commissioning | 17-10-2021 |
|----------------------|----------|-----------------------|------------|
|----------------------|----------|-----------------------|------------|

| Warranty Expiration date |  | Free Service Period |  |
|--------------------------|--|---------------------|--|
|--------------------------|--|---------------------|--|

365 DAYS / 1500H whichever come first from the Date of commissioning. *ld*

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       |    | 51/1570  | 220             | 220  | 220  | 5A      | 5A  | 5A  | 5.2              | 61°C           |
| 2       |    | 51/1570  | 220             | 220  | 220  | 8A      | 8A  | 9A  | 5.1              | 62°C           |
| 3       |    | 51/1570  | 222             | 222  | 222  | 10A     | 10A | 10A | 4.8              | 72°C           |
| 4       |    |          |                 |      |      |         |     |     |                  |                |
| 5       |    |          |                 |      |      |         |     |     |                  |                |
| 6       |    |          |                 |      |      |         |     |     |                  |                |
| 7       |    |          |                 |      |      |         |     |     |                  |                |
| 8       |    |          |                 |      |      |         |     |     |                  |                |
| 9       |    |          |                 |      |      |         |     |     |                  |                |
| 10      |    |          |                 |      |      |         |     |     |                  |                |





|   |     |    |                                      |     |    |
|---|-----|----|--------------------------------------|-----|----|
| ✓ | Yes | No | Electrical Diagram of Gen. Set       | Yes | No |
| ✓ | Yes | No | Electrical Diagram of Foreign<br>ATS | Yes | No |

### Defects 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

Iqbal Hossen

Commissioning Engineer

Date: 17-10-2021

01755694113

*Sarcom*  
17.10.21

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

Sincerely yours,  
Cross World Group

Iqbal Hossen





0-2021

entura Properties 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 **KVA Tempest** brand diesel generator has been commissioned and is presently running properly. 150

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

CWG-QM/FORM-0044A

Revision No.: 00

Page 2 of 2

  
17.10.21



COMPLETION CERTIFICATE

2021

entura properties Ltd.

Project Name : .....

COMPLETION CERTIFICATE OF DIESEL GENERATING SET PLANT ID: 21E13680G/3  
 ---MODEL #.....

Dear Sir, PL 150

We have since completed installation, testing and commissioning of above generating set with model PM/PS 150 and tested it as per **ALLAM's** manual on the Date 17-10-21 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.

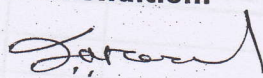
We have also explained your operator how to conduct daily, weekly, monthly as well as all other inspections/services as called for in the **ALLAM's** manual for smooth and trouble free operation of this generator. We shall cover **warranty** for the next 12 (Twelve) months from the date of its delivery,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

Iqbal Hossen  
 For and on behalf of

received the Plant in  
**Good order & condition.**

  
17.10.21





## Electrical and Mechanical Installation Sheet

Serial Number: 

|              |                           |  |           |            |
|--------------|---------------------------|--|-----------|------------|
| Project Name | Ventura Properties Ltd    |  | kVA/Model | PL150      |
| Address:     | R# 81, H# 10/D, Gulshan-2 |  | Date      | 17-10-2021 |

**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.    | OK      |
| 3  | Gen set Placement (Leveling & bolting)   | NO      |
| If there is any visual damage, please inform concern dept. |  | OK      |

**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 |    |        | N/A     |
| 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) | ✓  |        | confirm by client |

**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                                |    |        | N/A     |
| 7  | Insulation & Quality                    | ✓  |        |         |
| 8  | Alignment                               | ✓  |        |         |
| 9  | Drainage point                          | ✓  |        |         |
| 10 | Gasket fittings and leveling            |    |        | N/A     |
| 11 | Bolting, tightening & welding           | ✓  |        |         |

**STEP 6 : Radiator System**

|   |                         | Ok | Not ok | Remarks |
|---|-------------------------|----|--------|---------|
| 1 | Ducting Dimension       |    |        | N/A     |
| 2 | Opening area of ducting |    |        | N/A     |





|   |                   |   |  |                    |
|---|-------------------|---|--|--------------------|
|   | cloth fitting     |   |  | N/A                |
|   | port system       |   |  | N/A                |
|   | out flow / louver |   |  | N/A                |
|   | Water Drain line  |   |  | N/A                |
|   | Coolant Spec      | ✓ |  |                    |
| 8 | DM Water          | ✓ |  | Haveoline premixed |
|   |                   | ✓ |  |                    |

**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 Hossein Signed : [Signature] Date : 17-10-2021

End user personnel : Jahangir Alam Rashed Signed : [Signature] Date : 17.10.21





|   |                   |   |  |                    |
|---|-------------------|---|--|--------------------|
|   | cloth fitting     |   |  | N/A                |
|   | port system       |   |  | N/A                |
|   | out flow / louver |   |  | N/A                |
|   | Water Drain line  |   |  | N/A                |
|   | Coolant Spec      | ✓ |  |                    |
| 8 | DM Water          | ✓ |  | Haveoline premixed |
|   |                   | ✓ |  |                    |

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| 2 | Check fuel reservoir placement / capacity *         | ✓  |        |         |
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| 4 | Fuel return line (MS pipe ,Diameter)                | ✓  |        |         |
| 5 | Fuel tank height & size/capacity ( for 4000 series) | ✓  |        |         |

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|---|---|----|--------|---------|
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| 2 | Ducting for ventilation system  |    |        | N/A     |
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| 4 | Pre-filtration system for air intake  |    |        | N/A     |

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Cross world Personnel : Iqbal Hossein Signed : [Signature] Date : 17-10-2021

End user personnel : Jahangir Alam Rashed Signed : [Signature] Date : 17.10.21



CROSS WORLD POWER LTD  
Delivery Challan

To  
Ventura Properties Limited  
House # 50, Park Road, Baridhara, Dhaka.

Site Address H-10/D, Road-81, Gulshan-02, Dhaka

Challan No 5776  
Date 10-Oct-21  
Offer Ref. CWPL-AM/1539/21-R01

| SL      | Code | Part No         | Product Name     | Unit | RecQty |
|---------|------|-----------------|------------------|------|--------|
| 1       | 8571 | Petronus, 15w40 | Lube Oil         | Ltr. | 15.00  |
| 2       | 3388 | Premixed        | Coolant Havoline | Ltr  | 20.00  |
| 3       | 3707 |                 | Battery Acid     | Ltr  | 10.00  |
| Total : |      |                 |                  |      | 45.00  |

Delivery By :

Signature

Name

ID / Mobile

Date

Receive the Material(s) in good order & condition

Signature

Name

ID / Mobile 01731147071

Date 16.10.2021