

COMPLETION CERTIFICATE

DATE: 18.09.21

To,

Project Name : IPDC Finance Ltd. Jessore

COMPLETION CERTIFICATE OF DIESEL GENERATING SET PLANT ID: 21E1380 A/1
---MODEL # PS-45---


Dear Sir,

We have since completed installation, testing and commissioning of above generating set with model PM/PS 45 and tested it as per ALLAM's manual on the Date 18.09.21 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.

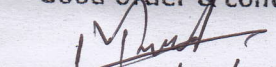
If you disagree with us and have any other query, please inform us as soon as possible. If we do not hear from you within next 7 (seven) days, contrary to what we have stated above, we shall consider that the plant has been received by you in a satisfactory condition.

Yours faithfully,
Cross World Power Ltd.


18.09.21

For and on behalf of

received the Plant in
Good order & condition.


18/09/21

DATE: 18.09.21

To,

IP De Financee Ltd. Jessone
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.

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.

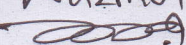
There is another critical issue that is often overlooked by our clients. It is the air circulation within the generator room. The fresh cold air flow into the room is sucked in by the engine for combustion. To keep the ambient temperature to a minimum, a continuous in-flow and out-flow of air is a must. 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

Nazmul


CWG-QM/FORM-0044A

Revision No.: 00

Page 2 of 2

Electrical and Mechanical Installation Sheet

Serial Number: **DK320376544635E**

Project Name	IPDC Finance Ltd	kVA/Model	45
Address:	Jessone	Date	18.09.21

STEP 1 : Check points when shipment arrive to site		Remarks
Engine & Alternator		
1	No visual damage to engine or generator.	OK
2	Visual damage to engine or generator.	OK
3	Gen set Placement (Leveling & bolting)	OK
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	OK		
2	Proper light and air inside the room	OK		
3	Dust proof, neat and clean	OK		

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

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

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

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

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

STEP 7 : Fuel System		Ok	Not ok	Remarks
1	Check fuel day tank placement / capacity *	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		

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

STEP 9 : Miscellaneous		Ok	Not ok	Remarks
1	Breather pipe extension	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		
7	Check and make overall comment on environmental condition to run the generator	OK		

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

Cross world Personnel : Nazmul Signed : [Signature] Date : 18.09.21
 End user personnel : Masud Signed : [Signature] Date : 18.09.21



Test Run and Commissioning Sheet

Serial Number **21E13680A/1**

Customer :

Customer Name & Address:	IPDC Finance Ltd. Jessone	
Contact No:	01734-060331	Tel:
		Tel:

Gen set:

Product ID (Plant No.):	21E13680A/1						
Gen Set:	Model	KVA	Details				
	P545	45					
Engine:	Brand	Model No	Serial No				
	Perkins	DK32037654635E					
Alternator:	Brand	Model No	Serial No				
	Standard		B12H321968				
Year of Manufacturing							
ATS Type	Nil	Local	Foreign	Magnetic Contractor	Brand & Model	Capacity (Amp)	
			<input checked="" type="checkbox"/>				
Canopy Type	Open	Local	Foreign	Canopy internal insulation	Good/Not Good	Canopy Sound performance	Good / Not Good
			<input checked="" type="checkbox"/>				
Controller Model	7120MK11		Battery Charger	Connected	<input checked="" type="checkbox"/>	Not Connected	

Installation:

Place Of Installation		Date of Delivery	
Date Of Installation		Date Of Commissioning	
Warranty Expiration date		Free Service Period	

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	00	59/1500	233	233	232	0	0	0	05	65°
2										
3										
4										
5										
6										
7										
8										
9										
10										

Related Documents

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

Normal
[Signature]
18.09.21

Commissioning Engineer

Date: 18.09.21

For Customer

[Signature]
18.09.21

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	<u>Remarks (If any):</u>			
Service Engineer Behavior	Ok	Not Ok				
Additional Work / service/Commissioning Done	Ok	Not Ok				

CROSS WORLD POWER LTD
Delivery Challan

To
IPDC Finance Ltd.

Site Address Jessore

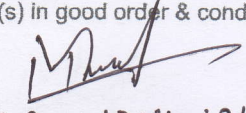
Challan No 5741
Date 9-Sep-21
Offer Ref. CWPL-AM/1792/21-R01

SL	Code	Part No	Product Name	Unit	RecQty
1	4629	NY 4X16 RM	Power Cable 4X16 RM	Mtr	63.00
2	9003	63 A. (Fixed)	MCCB TP 63 Amps	Pc	1.00
3	9978	4 CX16 RM	Power Cable Laying 4x16 rm.	Mtr	63.00
4	10208	16 RM	Control Cable Lugs 16 RM	Pc	26.00
5	4906	4X1.2 RM	Control Cable 4X1.2 rm	Mtr	113.00
6	2958	3 Inch	Flexible Pipe PVC	Meter	25.00
7	4190	3 Inch	Saddle 3"	Pc	30.00
8	8016		royal plug and Screw	Pack	3.00
9	2951	R,Y,B,B, G	PVC Tape	Pcs	4.00
10	9186	10 mm	Royal Bolt 10 mm	Pc	10.00
11	3738	"8mm"	Cable Tie	Pack	3.00
12	8763		Earthing Boring	Job	1.00
13	8971	38.1 mm	GI Pipe	Mtr	7.00
14	9270	4 SWG	Earthing Copper Lead	Mtr	35.00
15	4694		Earthing Block.	Pc	1.00
16	3894	1X10 RM	Earthing Cable 1X10 RM	Mtr	12.00
17	7842	10mm.	Earthing Cable Lugs 10mm.	Pc	4.00
18	8465	3 Inch.	Exhaust Silencer Pipe 3"	Mtr	4.00
19	6866	3 inch	Exhaust Bend -3-inc	Pc	1.00
20	10560	3 Inch	Exhaust Flange -3"	Pcs	2.00
21	8017	3,"-2" Dia	Reducer 3,"-2" Dia	Pc	1.00
22	6374		Exhaust Heat Insulation.	Job	1.00
23	8470		Exhaust Fitting.	Job	1.00
24	7341		Radiator ducting work.	Sft	35.00
25	3388	Premixed	Coolant Havoline	Ltr	10.00
26	8571	Petronus, 15w40	Lube Oil	Ltr.	10.00
27	3707		Battery Acid	Ltr	10.00

Delivery By : C.W.L

Receive the Material(s) in good order & condition

Signature 

Signature 

Name Md. Narmul

Name MASUDUL ISLAM MASUD

ID / Mobile 01913-889699

ID / Mobile

Date 18.09.21

Date 18.09.21

CROSS WORLD POWER LTD
Delivery Challan

To
IPDC Finance Ltd.

Site Address Jessore

Challan No 5740
Date 9-Sep-21
Offer Ref. CWPL-AM/1792/21-R01

SL	Code	Part No	Product Name	Unit	RecQty
1	4629	NY 4X16 RM	Power Cable 4X16 RM	Mtr	47.00
2	9978	4 CX16 RM	Power Cable Laying 4x16 rm.	Mtr	47.00
3	4906	4X1.2 RM	Control Cable 4X1.2 rm	Mtr	77.00
4	9403	2 Inch.	UPVC Pipe. 2" Dia.	Mtr	80.00
5	2996	2"	Saddle	Pcs	20.00
Total :					271.00

Delivery By : C.W.L

Receive the Material(s) in good order & condition

Signature

Signature

Name

Name

ID / Mobile

ID / Mobile

Date

Date

Address Jessore


Challan No 5741
Date 9-Sep-21
Offer Ref. CWPL-AM/1792/21-R01

SL	Code	Part No	Product Name	Unit	RecQty
				Total :	476.00

Delivery By : C.W.L

Receive the Material(s) in good order & condition

Signature 

Signature 

Name Md. Nazmul

Name MASUDUL ISLAM MASUD

ID / Mobile 01913-889699

ID / Mobile

Date 18.09.21

Date 18.09.21