



Title: Operation of Diesel Generator Set

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Effective Date:		Supersedes No.	Nil
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1.0 OBJECTIVE:

To lay down a procedure for Operation of Diesel Generator Set.

2.0 SCOPE:

This SOP is applicable for Operation of Diesel Generator Set.

3.0 RESPONSIBILITY:

Officer / Executive – Engineering

4.0 ACCOUNTABILITY:

Head – Engineering

5.0 ABBREVIATIONS:

ER Engineering
MCCB Moulded Case Circuit Breaker
MMI Main Machine Interphase
SOP Standard Operating Procedure

6.0 PROCEDURE:

6.1 TO “ON” THE DG SET:

- 6.1.1 Switch ‘OFF’ the air circuit breaker.
- 6.1.2 Insert the ignition key in MMI & check the status of all parameters.
- 6.1.3 Start the engine in idle mode and run for one minute in idle mode.
- 6.1.4 Check the voltage from the electrical panel.
- 6.1.5 Put the load on alternator step by step by switching ‘ON’ MCCB.
- 6.1.6 Monitor the parameters displayed in MMI.

6.2 TO “OFF” THE DG SET:

- 6.2.1 Switch ‘OFF’ the MCCB.
- 6.2.2 Disconnect the load step by step from alternator.
- 6.2.3 Switch ‘OFF’ the breaker from changeover panel.
- 6.2.4 Put the engine in idle / cooling mode for 3 minutes.
- 6.2.5 Shut ‘OFF’ the engine with the help of ignition key.
- 6.2.6 Switch ‘ON’ the Air circuit breaker



PHARMA DEVILS

ENGINEERING DEPARTMENT

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6.3 Record the operation detail in **Annexure – I**.

7.0 ANNEXURES:

ANNEXURE No.	TITLE OF ANNEXURE	FORMAT No.
Annexure-I	Log for Diesel Generator Set	

ENCLOSURES: SOP Training Record

8.0 DISTRIBUTION:

- Controlled Copy No. 01 Quality Assurance
- Controlled Copy No. 02 Engineering
- Master Copy Quality Assurance

9.0 REFERENCES:

Manual of DG Set.

10.0 REVISION HISTORY

CHANGE HISTORY LOG

Revision No.	Change Control No.	Details of Changes	Reason for Change	Effective Date	Updated By

