



PHARMA DEVILS

ENGINEERING DEPARTMENT

STANDARD OPERATING PROCEDURE

Department: Engineering	SOP No.:
Title: Backup Power	Effective Date:
Supersedes: Nil	Review Date:
Issue Date:	Page No.:

1.0 OBJECTIVE

1.1 To lay down the Procedure for back up power.

2.0 SCOPE

2.1 This SOP is applicable at.....

3.0 RESPONSIBILITY

3.1 Technical Assistant- Engineering-To follow the Procedure

3.2 Executive- Engineering-To comply the SOP

4.0 ACCOUNTABILITY

4.1 Head - Engineering

5.0 PROCEDURE

5.1 When AP Transco power fails immediately start the DG set.

5.2 Then check the voltage, RPM and Frequency on respective meters of the DG set panel.

5.3 Put the DG set panel ACB in 'ON' position.

5.4 Put the lighting panel COS from AP Transco load position to DG load position.

5.5 Put the all equipment and utility panels COS from AP Transco load position to DG load position on LTPCC panel. This has to be completed with in 2 minutes.

5.6 Then concerned engineering personnel at service areas has to switch on the MCC for AHU's and remaining loads.

5.7 The concerned engineering personnel at utility areas shall switch on the utility equipment.

5.8 When AP Transco power resumes check the voltage and frequency on respective meters of LTPCC panel.

5.9 Intimate the production in-charge that shifting the power from DG to AP Transco. Then change the lighting panel COS from the DG load position to AP Transco load position.

5.10 Change the COS of all equipment and utility panels from DG load position to AP Transco load position on LTPCC panel.

5.11 Put the DG set panel ACB to OFF position.



PHARMA DEVILS

ENGINEERING DEPARTMENT

STANDARD OPERATING PROCEDURE

Department: Engineering

SOP No.:

Title: Backup Power

Effective Date:

Supersedes: Nil

Review Date:

Issue Date:

Page No.:

5.12 Run the DG set idle for few minutes and then switch off or keep in auto stop mode.

6.0 ABBREVIATIONS

- 6.1 AP Transco- Andhra Pradesh state Transmission Corporation.
- 6.2 DG Set-Diesel Generator set
- 6.3 RPM-Revolution per minute
- 6.4 ACB-Air circuit breaker
- 6.5 COS-Change over switch
- 6.6 LTPCC-Low tension power control center
- 6.7 MCC-Motor control centre
- 6.8 AHU- Air handling unit.

7.0 ANNEXURES

7.1 NIL

CHANGE HISTORY		
Supersedes SOP No.	Change Control No.	Changes made
---	---	---