

Conferences > 2022 6th International Confer... ?

# Optimal Load Scheduling Strategies in Micro-Grid with Highly Resistive Lines: A Case Study in Lock-Down Periods

Publisher: IEEE

Cite This

PDF

Bharat Modi ; Mahendra Lalwani All Authors ...

23  
Full  
Text Views



## Alerts

Manage Content Alerts  
Add to Citation Alerts

Abstract

Document Sections

I. Introduction

II. Power Controlled in Short Transmission Line

III. Case Study

III. Economical Comparison

V. Simulation Results

Show Full Outline ▼

Authors

Figures

References

Keywords

Metrics

More Like This

Download PDF

**Abstract:**Micro-Grid (MG) has several advantages during the COVID-19 pandemic or we can say MG deals with this situation more effectively in several aspects. During this pandemic, ... **View more**

► **Metadata**

**Abstract:**

Micro-Grid (MG) has several advantages during the COVID-19 pandemic or we can say MG deals with this situation more effectively in several aspects. During this pandemic, most of the heavy load tripped off, however, the conventional grid can supply but if distributed generator (DG) has sufficient apparent power then grid forming mode can be deployed. The formation of MG with short-distance is not effective with the conventional droop control method due to the high R/X ratio. In this paper, a simple case study of a lockdown situation has been presented. Furthermore, this situation is analyzed with two strategies. An economic comparison of the previous two cases is presented. In both comparisons, the islanding mode provides better results. However, our study shows much better results in economical aspects as compared to the technical.

**Published in:** 2022 6th International Conference on Trends in Electronics and Informatics (ICOEI)

**Date of Conference:** 28-30 April 2022

**INSPEC Accession Number:** 21859994

**Date Added to IEEE Xplore:** 24 May 2022

**DOI:** 10.1109/ICOEI53556.2022.9776732

► **ISBN Information:**

**Publisher:** IEEE

**Conference Location:** Tirunelveli, India