

# **Uninterrupted power supply to underground base station room**





## Overview

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Do distribution substations need a DG backup?

It is recommended that each distribution substation should have its own DG Backup so that in case of mains power failure local DG sets are available as backup as per the normal practice. It is not recommended to have a centralized DG Backup to supply 11 KV DG Power to the distribution substations.

What happens to a power supply during a storm?

During winds, cyclones and storms, the entire distribution system including poles, and conductors collapse taking long time to restore the power supply. The indoor substations work at much lower ambient, say at 28 Degree C, when the outside temperature may be above 40 degree C.

What is a modern modern power distribution system?

The main objective of a modern modern power distribution system is to provide quality and uninterrupted power supply to the building so that there is no disruption to the productive operation of various services operating in the building to ensure human comfort.

Do I need a centralized DG backup to supply 11 kV DG power?

It is not recommended to have a centralized DG Backup to supply 11 KV DG Power to the distribution substations. This will not allow for segregation of essential and non-essential supply. Also in case of any fault in 11 KV feeder cable the whole campus will have no DG Backup.



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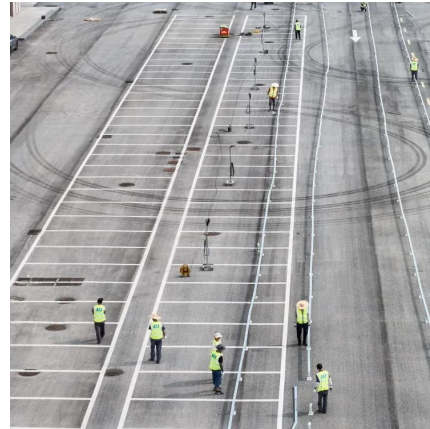
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