

# Grid Connectivity Guide

Energy, Power & Renewables

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This guide explains what the tool produces, how to use the output, and what to watch for. The actual output (draft/report) is generated on the tool page.

## Background

Explains grid connectivity for a renewable project — the application to the DISCOM or STU, feasibility, evacuation, voltage level and metering — with the process steps and the technical requirements (evacuation infrastructure, protection). Use this to plan connecting your project to the grid. Grid procedures vary by state, so confirm with the utility.

## Purpose of this tool & output

Connect your project to the grid

## How the output is used

Use it to apply for grid connectivity — the steps, studies and documents — so your project can evacuate power to the network.

## Who receives it

The application goes to the transmission or distribution licensee (STU/DISCOM) and, for larger projects, the State or Central Load Despatch Centre (SLDC/CLDC).

## How to submit / file it

Apply for connectivity with the project capacity, single-line diagram, land and metering details, followed by a connectivity or feasibility study by the utility.

## Fees & charges

Connectivity application and processing charges, plus any bay/transmission-strengthening cost and bank guarantee set by the utility or regulator.

## Who should vet it

The utility technical/planning team, on a single-line diagram prepared by a licensed electrical engineer.

## Important cautions

AI-generated guide; grid procedures vary by state, confirm with the utility.

## Companion documents

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- Power Project Feasibility
- Detailed Project Report (DPR)
- EPC Contract (Power Project)
- Power Purchase Agreement Guide
- Project Finance Structuring
- Land & Site Acquisition Guide

This is AI-assisted guidance. Verify with a qualified professional before any binding decision. Fees, authorities and processes vary by state and change over time — confirm with your state authority.