



Grid Controller of India Limited (Grid-India)
National Load Despatch Centre (NLDC), New Delhi

संदर्भ: NLDC/SO/GFM/

दिनांक: 31st Dec 2025

To,

All the Stakeholders


विषय: Discussion Paper on Grid-Forming Technology and Possible Applications in the Indian Power System – Inputs and comments reg.

महोदय,

A discussion paper titled **“Grid-Forming Technology and Possible Applications in the Indian Power System”** has been prepared by GRID-INDIA and is attached herewith. The paper presents a review of grid-forming (GFM) technology vis-à-vis the currently prevalent grid-following (GFL) technology. The inferences in the paper are based on literature review, detailed simulation studies on the all-India power system, and global deployment experience.

Comments and inputs are invited from stakeholders and domain experts on the observations and analysis presented in this paper by **28th February 2026**. The comments may be shared at nldcreliability@grid-india.in.

सधन्यवाद,

भवदीय,


(एस उषा)

कार्यपालक निदेशक (रा०भा०प्रे०के०)

Enclosure: As above

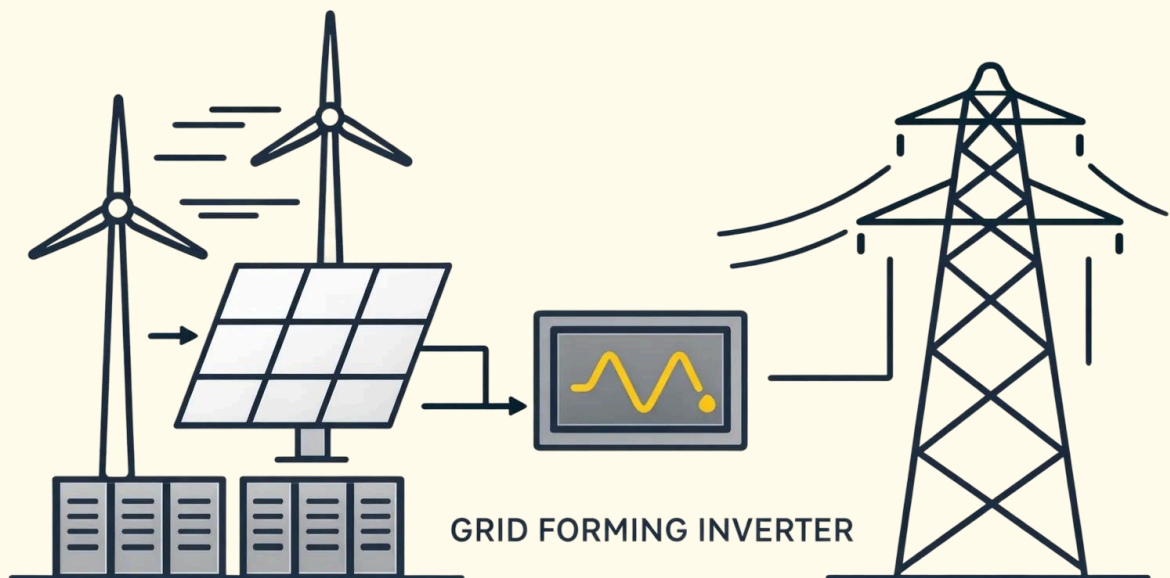
Discussion Paper

GRID FORMING TECHNOLOGY

and Possible Applications in Indian Power System



ग्रिड-इंडिया
GRID-INDIA



DECEMBER 2025

GRID CONTROLLER OF INDIA LTD.

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