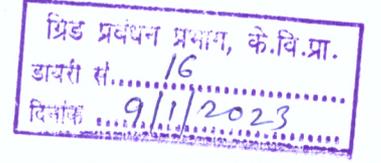




Central Electricity Authority
New Delhi, the 06 January, 2023



No. 12/X/STD/CONN/GM/2023/438

Dated: 06.01.2023

Subject: Clarification in CEA (Technical Standards for connectivity to the Grid), Regulations, 2007 as amended from time to time for clause - B2(7)

This has reference to Regulation B (2) Sub Clause (7) of Central Electricity Authority (Technical Standards for Connectivity to the Grid) (Amendment) Regulations, 2019:

In the Central Electricity Authority (Technical Standards for Connectivity to the Grid) (Amendment) Regulations, 2019 (hereinafter referred to as the said regulations), in sub-regulation (7) of regulation (B2) it is mentioned that,-

"The generating station connected to the grid, shall remain connected to the grid when voltage at the interconnection point, on any or all phases (symmetrical or asymmetrical overvoltage conditions) rises above the specified values given below for specified time-

Over voltage (pu)	Minimum time to remain connected (Seconds)
$1.30 < V$	0 Sec (Instantaneous trip)
$1.30 \geq V > 1.20$	0.2 Sec
$1.20 \geq V > 1.10$	2 Sec
$V \leq 1.10$	Continuous

During the meeting regarding RE generation loss at major and related issues on 02/12/2022, Chairperson, CEA directed to issues clarification regarding reactive power support by RE Generating stations.

It is clarified that:

In HVRT mode, the generating station shall provide reactive power support (absorption) proportional to the voltage rise at point of interconnection. During this phase, the quantum of reactive current absorption shall be dependent on reactive current gain in the system i.e. HVRT "K" factor. The active current and overall current shall be limited as per the transient rated current limit of the plant.


Secretary, CEA

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सचिव / Secretary
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विद्युत मंत्रालय / Ministry of Power
भारत सरकार / Govt. of India
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