

Advisory on Minimum Storage Duration for BESS and Installation of Commensurate REGS

A. Minimum Storage Duration for BESS and Installation of Commensurate REGS for its Charging

The Energy Storage Capacity (MWh) (Discharge) furnished by applicants for a BESS project, along with the requirement for installation of commensurate REGS for charging of the BESS, shall be subject to the following requirements:

Details of Application	Minimum storage duration (Discharge)	Installation of commensurate REGS for purpose of charging BESS	Application requirement for installation of Commensurate REGS
1. Applications under RoFR Category <i>A. Connectivity Grantees under Regulation 4.1 (In-Principle/Final Grant issued by CTUIL) and eligible to apply in accordance with Regulation 5.11(b) of the Connectivity & GNA Regulations:</i> - Applications submitted under Regulation 5.2 up to 21.02.2026 (except those received for technical compliance) - Applications submitted under Regulation 5.11(a) between 09.09.2025 and 21.02.2026 <i>B. Entities whose Connectivity Applications under Regulation 4.1 were under process as on 09.09.2025 and were eligible to apply in accordance with Annexure-IV(4) of the Connectivity & GNA Regulations or Para 41 of the CERC order dated 08.12.2025 in Petition No. 14/SM/2025:</i> - Applications submitted under Regulation 5.2 up to 21.02.2026 (except those received for technical compliance) - Applications submitted under Regulation 5.11(a) between 09.09.2025 and 21.02.2026			
Applications under Regulation 5.2	2 hours	Option A – Installation of commensurate co-located REGS for the purpose of charging BESS	Application for installation of commensurate co-located REGS under Regulation 5.2 shall be required . Entity must ensure that the rated inverter capacity connected to ISTS remains within the granted Connectivity quantum at all times (refer to figures 1, 2 and 3 for sample illustrations).
		Option B – Installation of commensurate co-located REGS for supply of power through ISTS	Application for installation of commensurate co-located REGS under Regulation 5.2 shall be required , as such commensurate co-located REGS is proposed to be installed through a direct AC-side interconnection, thereby enabling scheduling of power through ISTS in addition to charging the BESS (refer to figure 4 for sample illustration)
		Option C - Charging of BESS from REGS of earlier Connectivity or through ISTS	Not Applicable
Applications under Regulation 5.11(a)	2 hours	Option A – Installation of commensurate co-located REGS for the	Application for installation of commensurate co-located REGS for charging of BESS shall not be required, in line with Annexure IV, Clause 1 (I) of the GNA Regulation , while ensuring that the rated inverter capacity

Details of Application	Minimum storage duration (Discharge)	Installation of commensurate REGS for purpose of charging BESS	Application requirement for installation of Commensurate REGS
		purpose of charging BESS	connected to ISTS remains within the granted Connectivity quantum at all times (refer to figures 1, 2 and 3 for sample illustrations). The quantum of commensurate co-located REGS shall be informed by applicant before issuance of final grant of connectivity, if not already specified in the application, for incorporation in final grant of connectivity. If final grant is already issued, applicant shall intimate the quantum in writing for necessary amendment in final grant letter.
		Option B – Installation of commensurate co-located REGS for supply of power through ISTS	Application for installation of commensurate co-located REGS under Regulation 5.2 shall be required , as such commensurate co-located REGS is proposed to be installed through a direct AC-side interconnection, thereby enabling scheduling of power through ISTS in addition to charging the BESS (refer to figure 4 for sample illustration).
		Option C - Charging of BESS from REGS of earlier Connectivity or through ISTS	Not Applicable
2. Applications under Non-ROFR Category A. Applications under Regulation 5.11(a)(i). B. Applications under Regulation 5.11(a)(ii) Received: - between 09.09.2025 to 21.02.2026 from entities not eligible under Regulation 5.11(b) or Annexure-IV(4) of the Connectivity & GNA Regulations; or - on or after 22.02.2026			
Applications under Regulation 5.11(a)	4 hours	Installation of commensurate co-located REGS for the purpose of charging BESS	Application for installation of commensurate co-located REGS shall not be required, in line with Annexure IV, Clause 1(l) of the GNA Regulation. Entity must ensure, that the rated inverter capacity connected to ISTS remains within the granted Connectivity quantum at all times (refer to figures 1, 2 and 3 for sample illustrations). Under Process Applications (In-principle Grant not issued): The applicant shall inform the quantum of commensurate co-located REGS during/after the CMETS-meeting, if not already specified in the application.

Details of Application	Minimum storage duration (Discharge)	Installation of commensurate REGS for purpose of charging BESS	Application requirement for installation of Commensurate REGS
			Fresh Applications: The applicant shall mention such capacity as REGS for charging BESS in the “Installed capacity” field at the time of submission of application under Regulation 5.11(a).
3. Applications received under Regulation 4.1 involving Standalone BESS at RE Pooling Stations / Substations			
Standalone BESS applications under Regulation 4.1 at RE Pooling Stations / Substations	4 hours	Installation of commensurate co-located REGS for charging of BESS	Application for installation of commensurate co-located REGS shall be required under Regulation 5.2. Entity must ensure that the rated inverter capacity connected to ISTS remains within the granted Connectivity quantum at all times (refer to figure 5 sample illustration).

Note: The following provisions shall be applicable regarding Installation of commensurate co-located REGS for the purpose of charging BESS under Non-RoFR category or Standalone BESS under Regulation 4.1:

- It is desirable that entities install commensurate REGS for charging of BESS for optimal utilisation of ISTS Grid. Commensurate REGS for charging BESS shall be equivalent to MWh capacity of the BESS being installed.*
- The co-located REGS for the purpose of charging BESS may be commissioned matching with start date of connectivity of the BESS entity; or within a period of 36 months from the date of in-principle grant of connectivity to BESS or the firm start date of connectivity granted to BESS, whichever is later.*
- Entity shall be permitted to draw power from ISTS grid for charging of the BESS subject to availability of transmission margins.*

B. Treatment of Under Process BESS Applications Received (Standalone BESS under Regulation 4.1 or BESS applications under Regulation 5.11(a) in Non-ROFR category) with Storage Duration Lower than the Minimum Prescribed Storage Duration

- BESS applications (Standalone BESS under Regulation 4.1 or BESS applications under Regulation 5.11(a) in Non-ROFR category) which are under process (In-principle Grant not issued) as on date of publication of this advisory, with a storage duration lower than the minimum storage duration of 4 hours, shall be provided an opportunity to enhance the Energy Storage Capacity (MWh), without any change in the installed capacity (MW) during discussion in the respective CMETS meetings.
- The details intimated by the applicant in line with the discussions held during the respective CMETS meetings shall be appropriately incorporated in the intimation for grant of Connectivity, **subject to the applicant furnishing the requisite eligibility**

documents under Regulation 5.2 (h) of the GNA Regulations for meeting the prescribed minimum storage duration (Discharge) requirement of the BESS, within 2 (Two) months from Date of publication of this advisory or CMETS meeting where application is agreed for grant, whichever is later.

- iii. Accordingly, land requirements, financial closure, commissioning timelines (SCOD), and all other applicable regulatory provisions corresponding to the enhanced Energy Storage Capacity (MWh) shall be complied with, in accordance with the provisions of the GNA Regulations and other applicable guidelines issued from time to time.

Sample Illustrations:

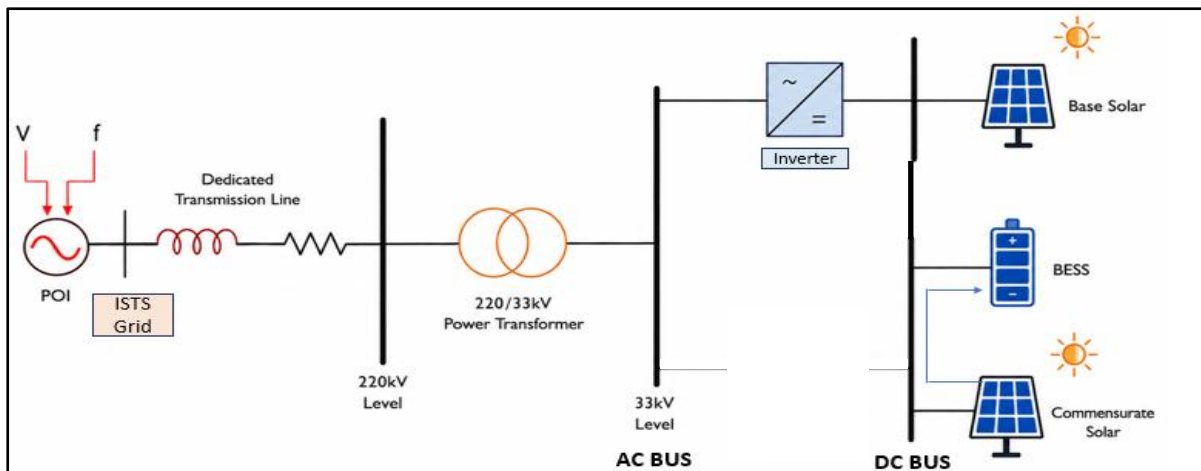


Figure: 1
(Preferable from System Optimisation purpose)

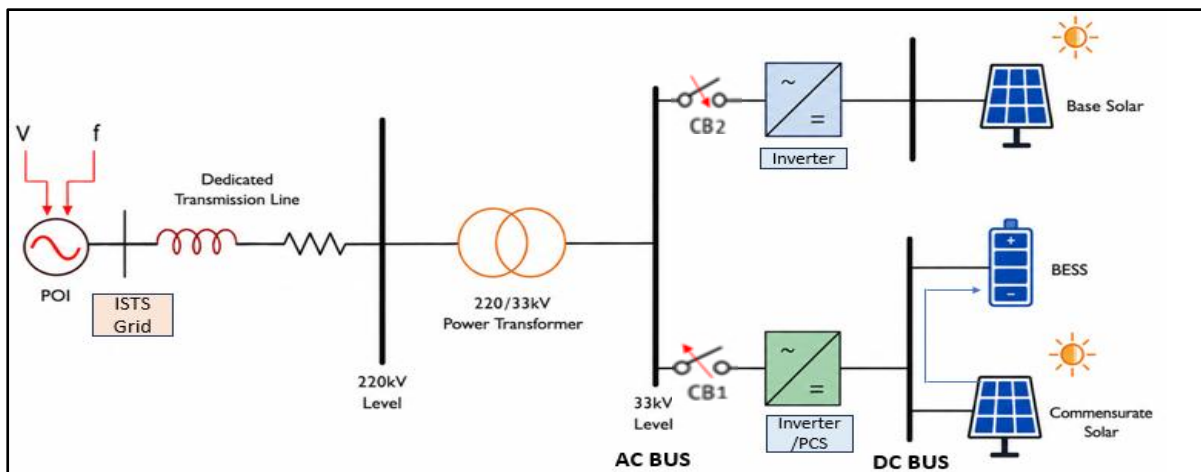


Figure: 2

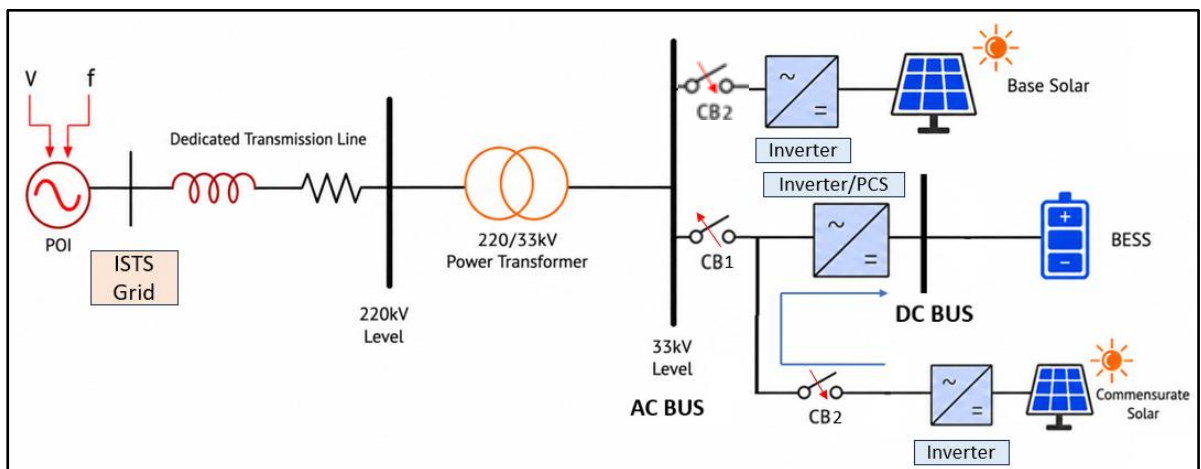


Figure: 3

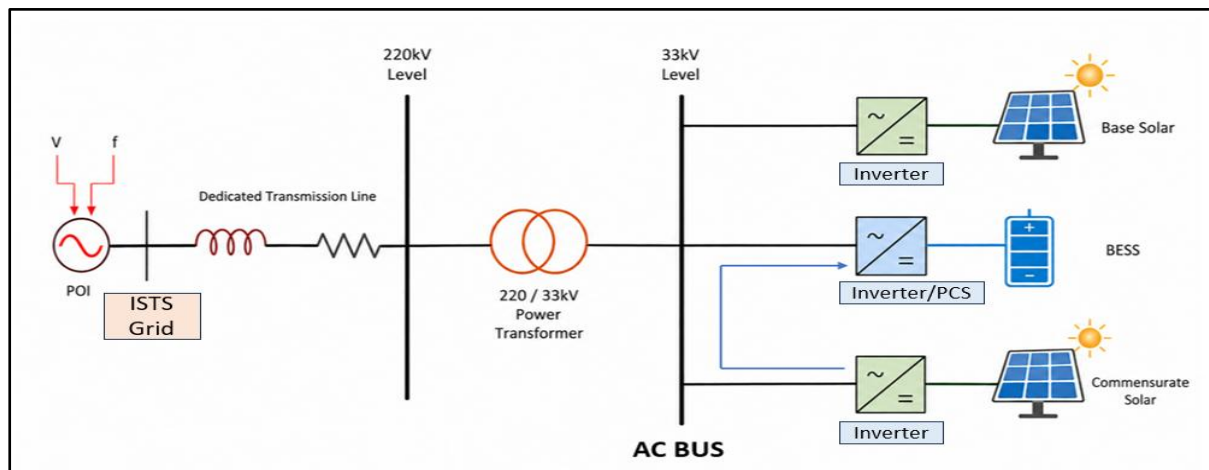


Figure: 4

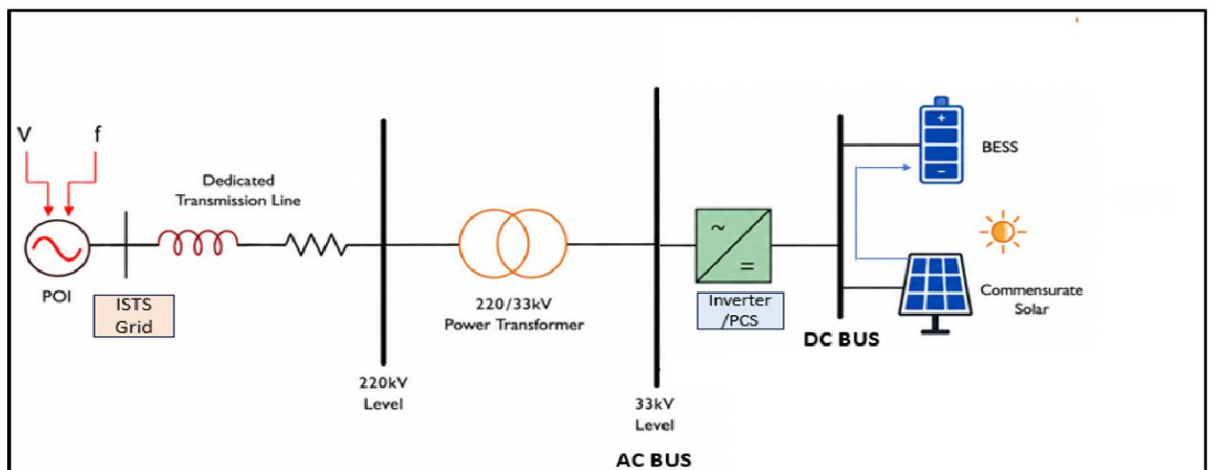


Figure: 5