

Stakeholders Comments on Draft format of Connectivity Intimation as per CERC GNA Regulations, 2022

Date: 19-03-2025

A common format for issuance in principle and final grant of connectivity is prepared and is attached herewith for stakeholders' comments in compliance to CERC direction in notification No. L-1/261/2021/CERC dated 14.10.2022. Format of common format for intimation of in-principle grant of connectivity and final grant of connectivity is enclosed at Annex-I.

Stakeholders may give their observations, if any, latest by 05.04.2025 at mail ids; chinmays@powergrid.in and ajay.dahiya@powergrid.in

FORMAT-CONN-INT-1A

**INTIMATION FOR IN-PRINCIPLE / FINAL GRANT OF CONNECTIVITY UNDER
REGULATION 7 / 9**

A General

1.	Intimation No.	:	CTU/S/Conn-INT-1A/App. no
	Date	:	dd.mm.yyyy
2.	Ref. Application No.	:	
	Date	:	
3.	Name of the Applicant	:	
4.	Address for Correspondence	:	
5.	Coordinates of the Generation Pooling Station :		
	Latitude		
	Longitude		
	District		
	State		
6.	Nature of the Applicant	:	
7.	Installed Capacity [Thermal/ Hydro/ Nuclear/ Wind/ Solar/ PSP/ BESS etc.]		

B Connectivity Details

8.	Details for Connectivity granted Quantum		
i.	Point at which connectivity is granted	:	
ii.	Voltage level of allocated terminal bay		
iii.	Terminal bay at ISTS end to be constructed under scope of ISTS :		
	• Terminal bay at ISTS end already		

	available?		
	• Status of ISTS substation [Existing/ Under Construction/ Under planning]		
	• Latitude & Longitude (any point in substation boundary) (If under construction)		
	• Scheduled date of commercial operation of substation		
	• Scheduled date of commercial operation of bay at ISTS end, if applicable		
iv.	Terminal bay no. and SLD	:	
v.	Capacity (MW) for which connectivity is granted		
9.	Dedicated Transmission Line (DTL)	:	
10.	ATS/ Augmentation	:	
11a	Associated Transmission System (ATS) Including broad design features		
i.	Scheme details	:	
ii.	Scheduled commissioning date of ATS	:	
iii.	Estimated Cost of ATS		
11b	Augmentation (Other than ATS)	:	
i.	Scheme details	:	
ii.	Scheduled commissioning date of augmentation	:	
iii.	SCOD of the Generation as informed by the applicant	:	
11.	Start date of connectivity	:	
C			
i.	Amount of Conn-BG1	:	
ii.	Amount of Conn-BG2	:	
iii.	Amount of Conn-BG3 @2 lakh/MW	:	
D			
i.	Details of communication system	:	

****Transmission scheme is under bidding. Firm date shall be informed after successful transfer of SPV / allocation of project to TSP.***

Regarding S/c line on D/c tower, applicant shall abide by following terms & Conditions (If applicable) :

- Implementation of connectivity line on Double Circuit and / or on Multi Circuit towers shall be at own cost & risk of the applicant
- Applicant shall not make any claim for additional bay(s) or additional quantum of injection or overriding priority at ISTS pooling station due to implementation of connectivity line on Double Circuit and / or on Multi Circuit tower.
- All issues related to sharing of Double Circuit and / or Multi Circuit towers has to be coordinated among the developers themselves.
- Applicant shall not claim any compensation/change in commissioning schedule/Connectivity Start Date/dedicated transmission line completion timeline due to Connectivity line on Double Circuit and /or on Multi Circuit tower

Note : Connectivity is granted to the ISTS with following terms and conditions:

1. The Grantee shall abide by all provisions and its amendments thereof or re-enactment of:
 - i) Electricity Act, 2003;
 - ii) CERC (Connectivity and General Network Access to the inter-State transmission System) Regulations, 2022 and corresponding Detailed Procedure for Connectivity and GNA;
 - iii) CERC (Sharing of Inter-State Transmission Charges and Losses) Regulations,2020
 - iv) CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007;
 - v) CEA (Technical Standards for construction of Electrical Plants and Electric Lines) Regulations, 2022;
 - vi) CEA (Grid Standard) Regulations, 2010;
 - vii) CEA (Safety requirements for construction, operation and maintenance of Electrical Plants and Electrical Lines) Regulations, 2011;
 - viii) CEA (Measures relating to Safety and Electric Supply) Regulations, 2023;
 - ix) CEA (Installation and Operation of Meters) Regulations, 2006;
 - x) CEA (Technical Standards for Communication System in Power System Operations) Regulations, 2020;
 - xi) CERC (Communication System for Inter –State transmission of Electricity) regulations, 2017;
 - xii) CERC (Indian Electricity Grid Code) Regulations, 2023;
 - xiii) CEA (Cyber Security in Power Sector) Guidelines, 2021;

- xiv) CEA (Manual of communication planning in Power System operation), March 2022;
 - xv) Any other applicable Act / Rules / Guidelines / Standards / Regulations / Procedures etc.
2. The applicant shall keep the CTU and RLDC/NLDC indemnified at all times and shall undertake to indemnify, defend and keep the CTU, RLDC/NLDC harmless from any and all damages, losses, claims and actions including those relating to injury to or death of any person or damage to property, demands, suits, recoveries, costs and expenses, court costs, attorney fees, and; all other obligations by or to third parties, arising out of or resulting from the Connectivity.
 3. Towards monitoring of the projects, Connectivity grantee shall comply with Regulations 11 of GNA Regulations 2022, else suitable action shall be taken up as per applicable CERC Regulations. Format for furnishing the progress (through on-line facility) of the project is provided at **FORMAT-CONN-STATUS-CG** on CTU web portal.
 4. **(a) For 220kV Lines:** Considering Right-of-Way near substation for termination of number of 220kV transmission lines (including Dedicated Transmission Lines), the entities shall coordinate among themselves for implementation of 220kV lines through multi circuit tower near the substation entry for about 2-3 kms stretch. Termination of line from multi-circuit tower to substation gantries shall be done using double-circuit dead-end towers, in coordination with the substation developer/developer(s) of other 220kV lines, if required as per site conditions.

(b) For 400kV Lines: Considering Right-of-Way near substation for termination of number of 400kV transmission lines (including Dedicated Transmission Lines), the entities shall coordinate among themselves for implementation of 400kV lines generally through double circuit tower near the substation entry for about 2-3 kms stretch. Further, in case of site constraint with respect to corridor, 400 kV multi circuit may need to be implemented, if required as per inputs of the developer of the ISTS end substation.

c) As per CEA's Manual on Transmission Planning Criteria, line approaching substation shall normally be perpendicular to the substation boundary for a stretch of 2-3 kms.

5. Depending on the topology and transmission system requirement, CTU may plan the Connectivity of any generating station(s) at terminal bay of an ISTS substation already allocated to another Connectivity applicant/grantee (such as through Loop-in Loop-out (LILO) of DTL) or at switchyard of a generating station having Connectivity to ISTS for connection and injection of power. In such cases, an agreement (model agreement as per **FORMAT-CONN-SHARE**) shall be duly signed within one (1) month of the intimation regarding the sharing of DTL and/or terminal bay between the applicants/grantee for sharing the terminal bay / switchyard / dedicated transmission line, failing which the intimations for grant of Connectivity of applicants / grantee shall be liable for revocation.
6. An entity which has been intimated final grant of Connectivity shall sign "Connectivity Agreement **FORMAT-CONN-CA-5 (Cat-1)**" within 30 days from the issuance of such final grant. On signing of the Connectivity Agreement such entity shall become the Connectivity Grantee.
7. Instruction regarding submission of Technical Connection data for signing of Connectivity Agreement:
 - a. Connectivity grantee shall comply with CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007 & amendment(s) thereof and shall have to furnish technical connection data and requisite compliance as per **FORMAT-CONN-TD-1 / FORMAT-CONN-TD-2 / FORMAT-CONN-TD-3** (as applicable) of Detailed Procedure to CTU at least one (1) year prior to physical connection.
 - b. After receipt of such final Connection data, CTU shall scrutinize the submitted data within thirty (30) days, and inform regarding discrepancies (if any). Upon rectification of all discrepancies by entity, CTU within thirty (30) days shall intimate the connection details as per **FORMAT-CONN-TD-4**. Thereafter the Connectivity Agreement as per **FORMAT-CONN-CA-5 (Cat-2)** shall be signed within thirty (30) days. Injection of firm power for the connectivity granted to ISTS shall be permitted only after signing of **FORMAT-CONN-CA-5 (Cat-2)**.
 - c. Subsequent to issuance of **FORMAT-CONN-TD-4**, if there is any change in technical connection data provided by the applicant, it shall submit the

revised technical data to CTU with full justification following which CTU shall process the same for revision in **FORMAT-CONN-TD-4** within thirty (30) days after receipt of complete data. Such request shall be allowed only once at least three (3) months prior to physical connection to ISTS. However, upon physical interconnection with ISTS, revised technical data, if any, shall be provided to CTU for information and record.\

8. Connectivity grantee to pay one time GNA Charges as per GNA Regulation 22.2 (d) read with Regulation 40.2 . One-time GNA charges @ 1 lakh/ MW is to be paid one month prior to start date of GNA failing which the same shall be recovered by encashing Conn BG-1, Conn BG-2 and ConnBG-3 as required.
9. Connectivity grantee, may, for drawal of Start-up power or injection of infirm power, identify elements in the ATS and seek COD of those elements prior to the Start date of Connectivity as agreed in the Connectivity Agreement. A separate agreement shall be signed between the Nodal Agency and the entity for the same covering the commercial terms and conditions. Such entity shall be liable to pay transmission charges as per Regulation 13 of the Sharing Regulations.

Place: Gurugram

Date: dd.mm.YYYY

Name: ABCD

Designation: ---
