



Detailed
Procedure for
Connectivity
and General
Network Access
(GNA) to the
ISTS

Volume-I

Table of Contents

1.	Background	1
2.	Applicability.....	1
3.	Application for Grant of Connectivity and GNA.....	1
4.	Eligibility for Connectivity to ISTS.....	1
5.	Application for Grant of Connectivity	2
6.	Interconnection Study by The Nodal Agency and ATS:.....	3
7.	In-principle Grant of Connectivity by the Nodal Agency.....	4
8.	Connectivity Bank Guarantee	5
9.	Final Grant of Connectivity by the Nodal Agency	6
10.	Connectivity Agreement	6
11.	Monitoring by the Nodal Agency.....	7
12.	Dedicated Transmission Lines and Bay(s)	8
13.	Injection of Infirm Power and drawal of Start-up Power.....	9
14.	Interface Meters.....	9
15.	Transfer of Connectivity.....	9
16.	Treatment of Connectivity Bank Guarantee.....	9
17.	Eligibility for GNA.....	10
18.	Deemed Grant of GNA	10
19.	Application for Grant of additional GNA by STU	11
20.	Application for Grant of GNA by entities other than STU.....	11
21.	System Study by the Nodal Agency	12
22.	Grant of GNA.....	16
23.	Use of GNA by other GNA grantee(s)	17
24.	Relinquishment of Connectivity	19
25.	Relinquishment of GNA	19
26.	Arrangement for Transition	19

List of Formats for Connectivity and GNA	21
FORMAT-AFFIDAVIT.....	24
FORMAT-CONN-APP-1	26
FORMAT-CONN-APP-2.....	30
FORMAT-CONN-TRANS-APP-3.....	33
FORMAT-CONN-REL-4	35
FORMAT-CONN-INT-1A.....	37
FORMAT-CONN-INT-1B.....	42
FORMAT-CONN-INT-1C.....	46
FORMAT-CONN-INT-2	51
FORMAT-CONN-INT-TRANS-3.....	56
FORMAT-CONN-INT-REL-4	61
FORMAT-CONN-BG	62
FORMAT-CONN-STATUS-CG	68
FORMAT-CONN-STATUS-TS	70
FORMAT-CONN-STATUS-BAY.....	71
FORMAT-CONN-SHARE-LEAD	72
FORMAT-CONN-SHARE	91
FORMAT-CONN-CA-5	110
FORMAT-GNA-APP-1.....	116
FORMAT-GNA-APP-2.....	118
FORMAT-GNA-CB-APP-3	122
FORMAT-GNA-APP-4.....	125
FORMAT-GNA-TRANS-APP-5	128
FORMAT-GNA-REL-6.....	131
FORMAT-GNA-INT-1	133
FORMAT-GNA-INT-2A.....	136

FORMAT-GNA-INT-2B.....	141
FORMAT-GNA-CB-INT-3A	146
FORMAT-GNA-CB-INT-3B	150
FORMAT-GNA-INT-4.....	154
FORMAT-GNA-TRANS-INT-5.....	159
FORMAT-GNA-REL-INT-6.....	163
Appendix - A.....	165
Appendix - B.....	167
Appendix - C	169

Detailed Procedure for Connectivity and General Network Access (GNA) to the ISTS

1. Background

This detailed procedure has been made in compliance with Sub-section (1) of Regulation 39 of “Central Electricity Regulatory Commission (Connectivity and General Network Access to the inter-State Transmission System) Regulations, 2022 hereinafter referred to as “the Regulations”. All applicants shall abide by the provisions of the Regulations.

2. Applicability

This Procedure shall apply to the applications made for Grant of Connectivity and/or General Network Access (GNA) to the Inter-State Transmission System (ISTS), received by the Central Transmission Utility (CTU) on or after the date notified by the Hon’ble CERC of coming into force of the Regulations.

3. Application for Grant of Connectivity and GNA

Application for grant of Connectivity and/or GNA shall be made in line with Regulation 3 of the Regulations.

4. Eligibility for Connectivity to ISTS

4.1. Eligibility for connectivity to ISTS shall be as per Regulation 4 of the Regulations.

4.2. As per Regulation 4.3, a generating station, already connected to or intending to connect to Intra-State transmission system shall also be eligible as an Applicant for Connectivity.

Provided that, whether a generating station is connected or intends to connect to Intra-State system, it may apply for connectivity to ISTS for quantum equal to difference of Installed Capacity and Intra-State connectivity. In case applicant intends to connect to Intra-State system, it has to furnish either copy of its application already made to the concerned STU or intimation issued by STU, for the quantum of connectivity to the Intra-State system.

However, an applicant shall not be eligible for connectivity to both Intra-State Transmission System and Inter-State Transmission System for the same capacity.

5. Application for Grant of Connectivity

- i. The Applicant shall fulfil the conditions of Application for Grant of Connectivity as per Regulations 5 of the Regulations, as applicable.
- ii. The information in the application shall be supported by a duly notarized sworn in affidavit by the applicant as per **FORMAT-AFFIDAVIT**.
- iii. The application for Grant of Connectivity and Enhancement of Grant of Connectivity to ISTS shall be made online in the application format for connectivity as per **FORMAT-CONN-APP-1**.
- iv. A generating station which is authorized as Lead Generator/ESS by one or more generating station(s) or ESS(s) for applying for Connectivity to the ISTS at a single connection point, is required to submit an agreement (model agreement as per **FORMAT-CONN-LEAD**) duly signed between the Applicant and the other Generating Station(s) or ESS(s), as applicable.
- v. An Applicant applying for grant of Connectivity at (i) a terminal bay of an ISTS sub-station already allocated to another Connectivity grantee or (ii) switchyard of a generating station having Connectivity to ISTS, is required to submit an agreement (model agreement as per **FORMAT-CONN-SHARE**) duly signed between the Applicant and the said Connectivity grantee or the generating station having Connectivity to ISTS, as the case may be, for sharing the terminal bay or the switchyard and the dedicated transmission lines, if any.
- vi. Two or more Applicants applying individually for grant of Connectivity at a common terminal bay are required to submit an agreement (model agreement as per **FORMAT-CONN-SHARE**) duly signed by such Applicants for sharing the dedicated transmission lines and the terminal bay(s).

- vii. In case of multiple applications submitted by a single person/organization, each of the application shall be supported by a separate sworn in affidavits in original duly notarized.
- viii. Application fees along with applicable taxes are to be paid directly at online application portal.
- ix. As per Regulation 5.2, a generating station or ESS may apply as per **FORMAT-CONN-APP-2** to add additional generation capacity, including ESS within the quantum of connectivity granted and CTUIL will convey approval as per **FORMAT-CONN-INT-2** for the same. No application fees shall be required on this account. Provided that for additional capacity, applicant shall furnish technical connection data as per applicable format and the **FORMAT-CONN-TD-4** issued in this regard shall become an integral part of Connectivity Agreement.
- x. A typical flow chart indicating various steps and timelines involved in processing of Connectivity applications is given at **Appendix-B**.

6. Interconnection Study by The Nodal Agency and ATS:

- 6.1. On receipt of applications for grant of Connectivity, the Nodal Agency shall carry out interconnection study for transfer of power over ISTS under GNA. Prior intimation of beneficiaries is not required for making application for Connectivity under the Regulations. Thus, the objective of interconnection study shall be to identify transmission system for integration and evacuation of Connectivity quantum of generation projects with ISTS grid, for onward transfer to drawee entities as per their GNA requirements.

In case of bulk consumer and distribution licensee, transmission system would be planned to enable absorption of power by respective entity corresponding to their GNA quantum.

While carrying out system studies, load-generation scenarios shall be worked out in a pragmatic manner so as to reflect the typical daily and seasonal variations in demand and generation availability. Typical load generation scenario may

include high/low RE generation, high/low demand and other combinations thereof as required. Wherever needed, various credible alternatives would also be considered so as to take care of the flexibility of transfer of power from different combinations of generation projects/complexes to the load centres.

Provided that the existing ISTS shall include transmission system which has been awarded for implementation, as on the last day of the month in which application for grant of Connectivity complete in all respects, has been received.

Provided further that if any additional transmission system gets awarded for implementation before completion of interconnection study, such additional transmission system shall also be considered as existing ISTS.

6.2. Of the augmentation requirement as identified under Regulation 6.1, augmentation required for immediate evacuation of power of the Applicant (s), excluding terminal bay(s), shall be considered as the Associated Transmission System (ATS) for the Applicant(s).

- For the purpose of clarity, some typical cases defining the ATS/Network Expansion are enclosed at **Appendix-A** of this detailed procedure.

7. In-principle Grant of Connectivity by the Nodal Agency

- i. In-principle Grant of Connectivity by the Nodal Agency shall be as per the Regulation 7.
- ii. Further, in case Network Expansion and ATS are not required, the intimation for In-principle grant of connectivity shall be issued as per **FORMAT-CONN-INT-1A** within 30 days from the last day of the month in which the application had been received.

The entity that has been intimated in-principle grant of Connectivity, shall submit Conn-BG1, Conn-BG2 and Conn-BG3, as applicable, within 1 (one) month from issuance of in-principle grant of Connectivity, failing which the application for Connectivity shall be closed and application fee shall be forfeited.

- iii. Further, in case ATS/Network Expansion are required, the intimation for In-principle grant of connectivity shall be issued as per **FORMAT-CONN-INT-1A** within 60 days from the last day of the month in which the application had been received.

The entity that has been intimated in-principle grant of Connectivity, shall submit its consent along with Conn-BG1, within 1 (one) month from issuance of in-principle grant of Connectivity, failing which the application for Connectivity shall be closed and application fee shall be forfeited.

8. Connectivity Bank Guarantee

- i. Connectivity Bank Guarantee shall be submitted by an Applicant in line with Regulation 8.
- ii. The Nodal Agency viz. CTU, within 6 (six) months of furnishing of Conn-BG1 as per clause 8.3(a) of the Regulations, shall intimate to such entity, (i) amount of Conn-BG2 to be furnished towards ATS and terminal bay(s), which shall not exceed the estimated cost intimated under Regulation 7.2, (ii) the timeline for completion of ATS and terminal bay(s), and (iii) firm date of start of Connectivity as per **FORMAT-CON-INT-1B**.
- iii. The cases where network expansion is required, however, the ATS is 'NIL' Conn-BG1 and Conn-BG2 [Rs. 2 Lakh/MW and for terminal bay(s) under ISTS as per Regulation 8.2 (a)] shall be submitted.
- iv. In case of enhancement or new application for Connectivity by the same applicant for same terminal bay and DTL, CONN-BG1 shall not be taken for the subsequent application. However, the CONN-BG1 submitted with first application shall be returned within thirty (30) days of declaration of commercial operation of full capacity for the all the projects by the Connectivity grantee.
- v. Bank Guarantees (BGs) shall be submitted by applicants as per **FORMAT-CONN-BG**.

9. Final Grant of Connectivity by the Nodal Agency

The Nodal Agency shall intimate the final grant of Connectivity to the entity as per Regulation 9 of the Regulations as per **FORMAT-CONN-INT-1C**.

10. Connectivity Agreement

- i. Within 30 days of the final grant of Connectivity (as per **FORMAT-CONN-INT-1C / FORMAT-CONN-INT-2 / FORMAT-CONN-INT-TRANS-3**), the entity shall submit the Technical Data (indicating Tentative or Final) as per **FORMAT-CONN-TD-1** for RE Generator / BESS, **FORMAT-CONN-TD-2** for Thermal/ Hydro/ Nuclear generating stations including Pumped Storage Projects (PSP), and **FORMAT-CONN-TD-3** for Bulk Consumer/Distribution Licensee.

The Transmission Licensee for physical connection to ISTS, shall submit the requisite technical data and shall sign the Connectivity Agreement as per IEGC.

- ii. If the submitted Technical Data is tentative, then the Connectivity Agreement as per **FORMAT-CONN-CA-5** shall be signed within thirty (30) days of submission of tentative Technical Data between the Nodal Agency and the entity which has been intimated final grant of Connectivity. On signing of the Connectivity Agreement such entity shall become the Connectivity grantee. In such case, final Technical Data shall be submitted by entity one (1) year prior to physical connection. CTU shall validate the submitted data within thirty (30) days, and inform discrepancies, if any. Upon rectification of all discrepancies by entity, CTU within thirty (30) days shall intimate the connection details, inter alia, details of protection equipment, system recording, SCADA and communication equipment, under Regulation 10.1 as per **FORMAT-CONN-TD-4** based on the inputs provided by the connectivity grantee. The **FORMAT-CONN-TD-4** shall automatically become an integral part of already signed **FORMAT-CONN-CA-5**. Physical connection to ISTS shall be permitted only after issuance of **FORMAT-CONN-TD-4**.

- iii. If the submitted Technical Data is final, CTU shall validate the submitted data within thirty (30) days, and inform discrepancies, if any. Upon rectification of all discrepancies by entity, CTU within thirty (30) days shall intimate the connection details, inter alia, details of protection equipment, system recording, SCADA and communication equipment, under Regulation 10.1 as per **FORMAT-CONN-TD-4** based on the inputs provided by the connectivity grantee. The Connectivity Agreement as per **FORMAT-CONN-CA-5** shall be signed between the Nodal Agency and the entity which has been issued **FORMAT-CONN-TD-4** within thirty (30) days. In such case, physical connection to ISTS shall be permitted only after signing of **FORMAT-CONN-CA-5**.
- iv. Subsequent to issuance of **FORMAT-CONN-TD-4**, if there is any change in technical 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 connection, revised technical data, if any, shall be provided to CTU for information and record.

11. Monitoring by the Nodal Agency

- i. Connectivity Grantee shall update the status of implementation of work under its scope including dedicated transmission lines, every quarter on CTUIL website through monitoring portal as per **FORMAT-CONN-STATUS-CG**.
 - ii. The Nodal Agency shall update the status of implementation of the ATS, Network Expansion, and terminal bays in respect of all Connectivity Grantee, every quarter, on its website as per **FORMAT-CONN-STATUS-TS**, as per inputs received from transmission licensees.
 - iii. Joint Coordination Committee (JCC) meetings shall be conducted on quarterly basis for each region for coordination and deliberation on issues in implementation of generation projects (including dedicated lines along with associated line bays) and associated ISTS scheme.
-

- iv. The Nodal Agency shall display the updated status of allocation of terminal bay(s), inter alia, quantum of Connectivity granted bay-wise and balance quantum for which Connectivity can be granted bay-wise, at existing or proposed ISTS sub-stations on its website and the same shall be updated on monthly basis as per **FORMAT-CONN-STATUS-BAY**.

12. Dedicated Transmission Lines and Bay(s)

12.1. The dedicated transmission lines and Terminal Bay(s) shall be established, operated and maintained in line with Regulation 12 of the Regulations.

12.2. Dedicated Transmission Line (DTL):

- i. The DTL shall be of voltage class matching with the ISTS sub-station voltage at which it is to be connected after allocation of bay.
- ii. Unless otherwise indicated at the time of grant of Connectivity, the power carrying capacity of the DTL shall be as below:

Sl. No.	Voltage Level	Minimum capacity of the Dedicated Transmission Line (per circuit)
1.	132kV*	80MW
2.	220kV or 230kV	300MW
3.	400kV	900MW
4.	765kV	3500MW

Note: for NER region only*

- iii. CTU in coordination with ISTS transmission licensee implementing the ISTS substation shall indicate the requirement of D/c or M/c towers near ISTS sub-station end including sharing of such towers, for optimization of space and Right of Way (RoW). The Connectivity grantee shall comply with the directions of CTU in this regard.
- iv. 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 switchyard of a generating station having Connectivity to ISTS for connection and injection of power. In this regard, once a bay is allocated to an applicant for a part capacity, then new bay shall be allotted to any other applicant only after full bay/DTL capacity is utilised with an exception for the applicants seeking grant of connectivity for full bay capacity or for capacity more than margin available in allotted bay/DTL.

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.

13. Injection of Infirm Power and drawal of Start-up Power

Connectivity grantee shall be eligible to inject infirm power and draw start-up power in accordance with the provisions of the Grid Code.

14. Interface Meters

Interface meters shall be installed in line with Regulation 14 of the Regulations.

15. Transfer of Connectivity

Transfer of connectivity shall be in line with Regulation 15 of the Regulations for which the application has to be made as per **FORMAT-CONN-TRANS-APP-3** and CTU shall issue intimation as per **FORMAT-CONN-INT-TRANS-3**.

16. Treatment of Connectivity Bank Guarantee

Treatment of Connectivity Bank Guarantee shall be in line with Regulation 16 of the Regulations.

Provided that in case of enhancement or new application for Connectivity by the same applicant for same terminal bay and DTL, CONN-BG1 shall not be taken for the subsequent application. However, the CONN-BG1 submitted with first

application shall be returned within thirty (30) days of declaration of commercial operation of full capacity for the all the projects by the Connectivity grantee.

17. Eligibility for GNA

The entities shall be eligible as Applicants to apply for grant of GNA or for enhancement of the quantum of GNA in line with Regulation 17 of the Regulations.

18. Deemed Grant of GNA

Deemed Grant of GNA shall be in line with Regulation 18 of the Regulations.

In addition, following shall be considered while deemed grant of GNA to generation projects:

- i. For the purpose of segregation of GNA, within the region and outside the region as per regulation 18(d), LTA and MTOA contracts along with central generating stations allocation effective for billing month Jul 2022 under Sharing Regulations 2020 shall be used. Further, LTA and MTOA contracts along with central generating stations allocation for any intra state entity shall also be included in respective STU's contracts for the GNA bifurcation.
- ii. For Central Generating Stations (CGS) whose power is allocated by Ministry of Power and has not been granted LTA under CERC Connectivity Regulations, 2009, shall be deemed to have been granted GNA equal to the installed capacity of such generating station(s). For CGS granted LTA under CERC Connectivity Regulations, 2009, deemed GNA shall be equal to LTA granted (including the unallocated quantum).
- iii. Generating entities other than CGS and connected to ISTS, LTA effective with firm beneficiaries only shall be considered for grant of deemed GNA. For LTA effective with target region, GNA shall be granted under Regulation 37.6 on submission of requisite bank guarantees.
- iv. State embedded generation plants including CGS connected to intra-state shall not be granted any deemed GNA to ISTS.

- v. Generating entities other than CGS which are connected to the grid and have been granted LTOA under the Connectivity Regulations, 2004, shall be granted deemed GNA equal to LTA effective to firm beneficiaries. The connectivity for these projects would be considered same as LTOA and would remain valid even if the LTOA got relinquished. For balance quantum (installed capacity - firm LTA/LTOA), GNA shall be granted under regulation 37.6 on submission of requisite bank guarantees.
- vi. LTA/LTOA granted to a Trading licensee, other than for cross border trade of electricity in terms of the Cross-Border Regulations, shall be part of the GNA deemed to have been granted to the concerned generating station, as GNA of state is derived as per Regulation 18.1(a). GNA corresponding to states shall be subsumed in the GNA computed as per **Annexure-I** of the Regulation.
- vii. LTA granted to a Trading licensee engaged in cross border trade of electricity in terms of the Cross-Border Regulations, shall be the GNA deemed to have been granted to such trading licensee under the Regulation for the period of such LTA.
- viii. Since GNA for buying entities in India from generations located outside India is already being considered based on ISTS drawal, it shall be as per **Annexure-I** of the Regulations.

19. Application for Grant of additional GNA by STU

Application for Grant of additional GNA to STU shall be in line with Regulation 19 as per **FORMAT-GNA-APP-1**.

20. Application for Grant of GNA by entities other than STU

Application for Grant of GNA by entities other than STU shall be in line with Regulation 20. Applications for Grant of GNA to ISTS shall be made online as per **FORMAT-GNA-APP-2** for entities covered under Regulation 17.1(ii), (iii) and (v), as per **FORMAT-GNA-CB-APP-3** for entities covered under Regulation 17.1(iv) and as per **FORMAT-GNA-APP-4** for entities covered under Regulation

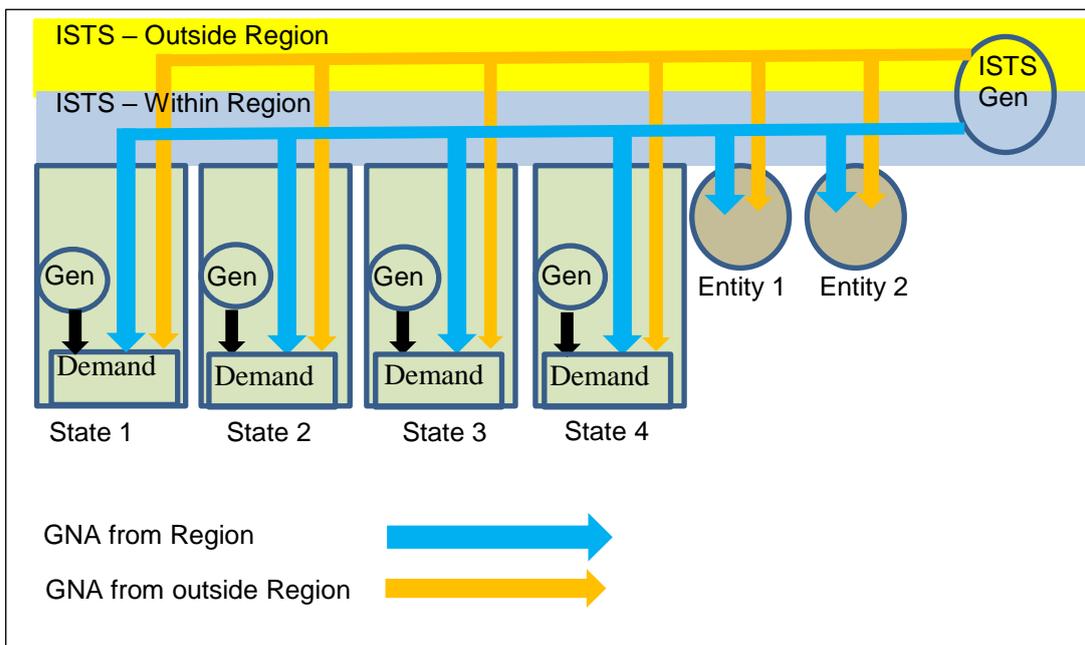
17.2.

The information in the application shall be supported by a duly notarized sworn in affidavit by the applicant as per **FORMAT-AFFIDAVIT**.

In case of multiple applications submitted by a single person/organization, each of the applications shall be supported by a separate sworn in affidavits in original duly notarized.

21. System Study by the Nodal Agency

21.1. In order to carry out system studies for grant of GNA (including additional quantum), preparation of Load-Generation Balance (LGB) is the foremost requirement. The methodology for preparation of LGB is given below. The schematic diagram showing GNA requirement of states and entities from ISTS including segregation of within and outside region is shown as under.



In addition to the GNA requests, states would also need to provide their demand figures for future years keeping in view the EPS (published by CEA) projections.

Based on the inputs from states and entities, following shall be worked out for each of the states for preparation of all India LGB:

A. State GNA

- GNA [State without intra state entity seeking separate GNA covered under Regulation 17.1 (i)] = GNA(SS) = GNA from within Region [GNA(SS-R)] + GNA from outside Region [GNA(SS-O)]
- GNA [Intra-State drawee Entity covered under Regulation 17.1 (ii)] = GNA(ES) = GNA from within Region [GNA(ES-R)] + GNA from outside Region [GNA(ES-O)]
- GNA (State) = GNA(S) = GNA(SS) + GNA(ES) = GNA from within Region [GNA(S-R)] + GNA from outside Region [GNA(S-O)]
 - $GNA(S-R) = GNA(SS-R) + GNA(ES-R)$
 - $GNA(S-O) = GNA(SS-O) + GNA(ES-O)$
- Demand (State) = D(S) [*Peak demand of state as confirmed by respective STU shall be taken*]
- Intra-State Generation (State) = G(S) = D(S) – GNA(S)

B. State GNA including additional GNA request:

- $GNA(S) \text{ new} = GNA(SS) \text{ old} + GNA(SS) \text{ addition} + GNA(ES) \text{ old} + GNA(ES) \text{ addition} = GNA(S-R) + GNA(S-O)$
- $D(S) \text{ new} = D(S) \text{ old} + D(S) \text{ addition}$
- $G(S) \text{ new} = D(S) \text{ new} - GNA(S) \text{ new}$

C. Regional Demand and Generation:

- GNA [ISTS connected Entities covered under Regulation 17.1 (iii), (iv)-for drawl from Indian grid & (v)] = GNA(EI) = GNA from within Region [GNA(EI-R)] + GNA from outside Region [GNA(EI-O)]
 - Demand (Region) = $\sum D(S) + \sum GNA(EI)$
 - Generation (Region) = $\sum G(S) + \sum GNA(S-R) + \sum GNA(EI-R) + \text{Generation for other Regions [G(OR)]}$
-

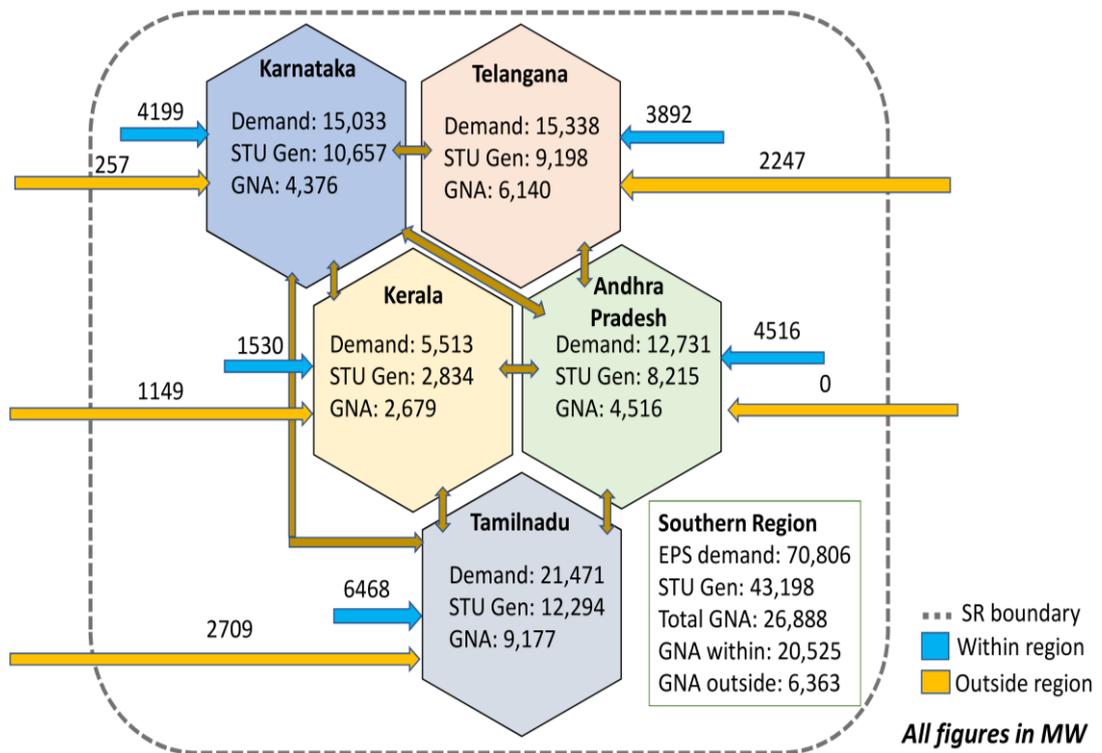
- Generation for other Regions [G(OR)] is a variable component. It needs to be varied to arrive at different load generation scenario to meet one region's requirement from other regions.

$$\sum G(OR) = \sum GNA(S-O) + \sum GNA(EI-O)$$

D. ISTS Generation on all India basis:

- Generation (ISTS) = G(I) = $\sum GNA(S) + \sum GNA(EI)$

Pictorial depiction of a sample Southern Region LGB as per Deemed GNA quantum is as under:



Regional (SR) generation = 43198 + 20525 + G(OR)

$$\sum G(OR) = 6363 \text{ [GNA outside of SR]} + \text{Sum of GNA outside of other regions (NR, WR, ER, and NER)}$$

A sample All India LGB in regard to above methodology is given as under:

Region	*Demand	ISTS Drawal (GNA)	Intra-state Gen	GNA met from Within Region	GNA met from Outside Region	Distribution of total in E among regions	Regional Generation	Surplus/ Deficit
	A	B	C=A-B	D	E	F	G=C+D+F	H=G-A
NR	85,930	37,992	47,938	24,956	13,036	7,944	80,838	-5,092
WR	79,251	26,114	53,137	22,285	3,831	7,094	82,516	3,265
SR	70,692	27,287	43,405	20,888	6,398	6,649	70,942	250
ER	34,918	13,322	21,596	11,029	2,293	3,511	36,136	1,218
NER	5,095	2,646	2,449	2,279	366	726	5,454	359
All India	2,75,886	1,07,361	1,68,525	81,437	25,924	25,924	2,75,886	0

Note:

- (a) *Regional demand shall be sum of peak demands of all states within the region.
- (b) F column may be prepared through distribution of total under E column on merit order basis. For simplicity, in the present case, E column is distributed in proportion to D column.

21.2. System studies for processing GNA requests (including additional quantum) shall be carried out as proposed below:

- a) Based on the above LGB, All India peak demand base cases with different generation patterns (like peak solar, off-peak solar etc.) for a year shall be prepared considering the following:
- States demand corresponding to peak demand scenario shall be set in base case. Substation wise load distribution within a state shall be provided/verified by respective STU. Intra-state generations (C) shall be dispatched based on inputs from respective states.
 - ISTS generation within the region (thermal portion of D) shall be dispatched based on merit order of thermal units. Outside the region thermal generation requirements on a pan India basis in ISTS (thermal portion of E) shall be dispatched on a merit order basis among all ISTS connected generations.
 - Other generations (within region) shall be dispatched as per CEA's Manual on Transmission Planning Criteria.

- Expected transmission system and generation addition in ISTS and Intra-state (as per inputs from STUs) will be considered.
- b) Load flow including Contingency studies for ISTS shall be carried out in accordance with Manual on Transmission Planning Criteria to assess the feasibility of transferring requisite power to all the states at all India level. Based on study results and observations, detailed studies shall also be carried out at each Regional level for processing and grant of GNA (including additional quantum) to states within the region. While doing regional level studies, flexibility of obtaining of outside region GNA quantum from various regions/generation complexes may also be considered. For this, as desirable, various credible contingencies to meet the GNA requirement from different combination of generation despatches/complexes within and outside the region would be studied.
- c) In fulfilment of Regulation of 22.1 (a), in case there is a constraint observed in grant of the desired quantum of additional GNA to all states of a region, then additional GNA quantum shall be granted on pro-rata basis of requested quantum considering available transmission import capability of region from the ISTS system.
- d) Total GNA of a state shall be sum of already granted GNA and additional GNA granted. This shall be basis for further studies.

22. Grant of GNA

22.1. Grant of additional GNA to STU

The Nodal Agency shall Grant of additional GNA to STU in line with Regulation 22.1 as per **FORMAT-GNA-INT-1**.

22.2. Grant of GNA to entities other than STU

Grant of GNA to entities other than STU shall be in line with Regulation 22.2.

For entities mentioned under Regulation 17.1 (ii), (iii), (iv) and (v), and GNA to be granted through existing transmission system, intimation for grant of GNA shall

be issued by the end of the month subsequent to the month in which application complete in all respects has been received as per **FORMAT-GNA-INT-2B** for entities mentioned under Regulation 17.1 (ii), (iii) and (v) and as per **FORMAT-GNA-INT-CB-3B** for entities mentioned under Regulation 17.1 (iv).

Conn-BG-1 and Conn-BG3 shall be furnished and Connectivity agreement shall be signed within 1 (one) month of issue of intimation, failing which the application for GNA shall be closed and application fee shall be forfeited.

In case GNA is to be granted to entities mentioned under Regulation 17.1 (ii), (iii), (iv) and (v) with augmentation of transmission system, intimation for in-principle grant of GNA shall be issued within 30 days from the last day of the month in which the application had been received, as per **FORMAT-GNA-INT-2A** for entities mentioned under Regulation 17.1 (ii), (iii) and (v) and as per **FORMAT-GNA-INT-CB-3A** for entities mentioned under Regulation 17.1 (iv).

Intimation for final grant of GNA shall be issued within 180 days from the last day of the month in which the application had been received including details such as final start date of Connectivity/GNA, requirement of Conn-BG2 [only for entities under Regulation 17.1 (iii)] etc., as per **FORMAT-GNA-INT-2B** for entities mentioned under Regulation 17.1 (ii), (iii) and (v) and the as per **FORMAT-GNA-INT-CB-3B** for entities mentioned under Regulation 17.1 (iv).

Provided that, Conn-BG1 is to be submitted within 1 (one) month of issue of intimation for in-principle grant of GNA, only for entities under Regulation 17.1 (iii).

Conn-BG2 (as applicable) shall be furnished and Connectivity agreement shall be signed within 1 (one) month of issue of intimation, failing which the application for GNA shall be closed, Conn-BG1 (wherever applicable) shall be encashed and application fee shall be forfeited.

Grant of GNA shall be as per **FORMAT-GNA-INT-4** for entities covered in Regulation 17.2.

23. Use of GNA by other GNA grantee(s)

Use of GNA by other GNA grantee(s) shall be in line with Regulation 23.

23.1.Applications:

The GNA grantee that intends to authorize the use of its GNA by other GNA grantee shall apply to nodal agency as per **FORMAT-GNA-TRANS-APP-5** at least 60 days prior to start date of GNA transfer. Following possible transfer cases shall be allowed during transfer of GNA. Requirement of No Objection Certificate (NoC) from STU has also been indicated below.

Transferee Applicant	STU-2	Drawee in STU-1	Drawee in STU-2	DL/BC/TL in ISTS
STU-1	No NoC	No NoC	NoC reqd.	No NoC
Drawee in STU-1	No NoC	No NoC	NoC reqd.	No NoC
DL/BC/TL in ISTS	No NoC	NoC reqd.	NoC reqd.	No NoC

DL: Distribution Licensee

BC: Bulk Consumer

TL: Transmission Licensee

23.2.Conditions:

- Due to the inherent limitations in the existing transmission system availability especially in the Inter-Regional system, transfer of GNA shall be allowed in such a manner that sum of GNA from within the region and sum of GNA from outside the region before and after the transfer shall remain same for both the entities. Accordingly, transfer of GNA shall be allowed among entities within a region only.
- Consent of concerned STU in form of NoC in terms of availability of transmission capacity in Intra-State transmission system for such quantum and period of transfer of GNA shall be furnished along with application when GNA grantee of one STU/state connected drawee entity intends to authorize the use of its GNA by state connected drawee entity connected to Intra-State transmission system of other STU.

- Request letter for transfer of GNA from GNA grantee (transferee) who intends to use transferred GNA shall also be submitted along with each application for transfer.

23.3. Studies:

- Upon receipt of application, CTU shall carry out system studies to process the applications as per Clause 21 of the procedure and grant the transfer based on availability of transmission capability.
- Intimation regarding the same shall be as per **FORMAT-GNA-TRANS-INT-5**.
- Payment liability for Transmission charges and transmission deviation charges shall be as per Regulation 23.1.

24. Relinquishment of Connectivity

Relinquishment of Connectivity shall be carried out in line with Regulation 24 as per **FORMAT-CONN-REL-4**. CTU shall issue intimation as per **FORMAT-CONN-INT-REL-4** in case Connectivity is relinquished in full, and revised grant of Connectivity shall be issued as per **FORMAT-CONN-INT-1C** in case Connectivity is relinquished in part.

25. Relinquishment of GNA

Relinquishment of GNA shall be carried out in line with Regulation 25 as per **FORMAT-GNA-REL-6** and CTU shall issue intimation as per **FORMAT-GNA-REL-INT-6**.

26. Arrangement for Transition

Arrangement for Transition shall be carried out in line with Regulation 37 and the same is also depicted in flowchart at **Appendix-C**.

- i. For the purpose of transition, LTA shall be considered effective in terms of intimation for grant of LTA / letter for LTA effectiveness.

- ii. For the purpose of transition, Connectivity shall be considered effective as per following:
 - a. If LTA is effective, corresponding Connectivity quantum shall be considered effective.
 - b. If there is no LTA or LTA is not effective, Connectivity shall be considered effective for the capacity of generation connected to the grid and declared commercial operation.
- iii. In case LTOA has been granted to entity under CERC Regulations 2004, Connectivity quantum shall be the total LTOA granted under CERC Regulations 2004 to such entity. Further, the deemed GNA shall be equal to persisting firm LTOA.
- iv. For state embedded generation plants including CGS connected to intra-state for the entire installed capacity, Connectivity / GNA quantum under the Regulations for the purpose of transition shall be NIL for such entity.
- v. Generating stations of DVC that are connected to ISTS (Mejia Thermal Power Station #7 & #8, Durgapur Steel Thermal Power Station #1 & #2, Koderma Thermal Power Station #1 & #2, Bokaro Thermal Power Station-A #1, Raghunathpur Thermal Power Station #1 & #2) shall be treated like any other ISGS (inter-State generating station) which shall need to have a GNA at its injection point for its power to get scheduled. The Connectivity or LTA already obtained from such generating stations shall be treated in terms of Regulation 37.
- vi. In case, LTA or LTOA has been granted to CGS, the arrangement for transition shall be as per Regulation 37.
- vii. All entities shall have the option of conversion or surrender of balance capacity (Connectivity-deemed GNA) of the project as per Regulation 37.
- viii. One-time GNA charges shall not be payable by entities for quantum for which already connectivity and/or LTA/LTOA has been granted.

List of Formats for Connectivity and GNA

Format name	Description
A. Affidavit	
FORMAT-AFFIDAVIT	Affidavit in support of application for Connectivity / GNA
B. Connectivity	
B1.Application for connectivity	
FORMAT-CONN-APP-1	Application for Connectivity to ISTS under Regulation 4.1, 4.2, 5.6, and 5.7
FORMAT-CONN-APP-2	Application for addition of Generation Capacity including ESS within the quantum of connectivity granted under Regulation 5.2
FORMAT-CONN-TRANS-APP-3	Application for Transfer of Connectivity under Regulation 15
FORMAT-CONN-REL-4	Notice for Relinquishment of Connectivity under Regulation 24
B2.Intimation for grant of connectivity	
FORMAT-CONN-INT-1A	Intimation for in-principle grant of Connectivity under Regulation 7.1 and 7.2
FORMAT-CONN-INT-1B	Intimation for details for ATS & Conn-BG2 for Connectivity under Regulation 8.3
FORMAT-CONN-INT-1C	Intimation for final grant of Connectivity under Regulation 9
FORMAT-CONN-INT-2	Intimation for additional generation capacity, including ESS, within the quantum of Connectivity granted under Regulation 5.2
FORMAT-CONN-INT-TRANS-3	Intimation for Transfer of Connectivity under Regulation 15
FORMAT-CONN-INT-REL-4	Intimation for Relinquishment of Connectivity under Regulation 24
B3.Connectivity Bank Guarantee	
FORMAT-CONN-BG	Proforma of Connectivity Bank Guarantee CONN-1/ CONN-2/ CONN-3 under Regulation 8
B4.Status	
FORMAT-CONN-STATUS-CG	Status as per monitoring parameters for Connectivity under Regulation 11.1

Format name	Description
FORMAT-CONN-STATUS-TS	Status of implementation of the ATS, Network Expansion, and Terminal Bays for Connectivity granted under Regulation 11.2
FORMAT-CONN-STATUS-BAY	Status of allocation of bay(s)/Margin available at the existing or the proposed ISTS sub-stations for Connectivity under Regulation 11.5

B5. Sharing Agreement

FORMAT-CONN-SHARE-LEAD	Model Agreement between the Lead Generator and other generators located in a geographically contiguous area for seeking inter-connection with the ISTS at a single connection point
FORMAT-CONN-SHARE	Model Agreement between generators located in a geographically contiguous area for seeking inter-connection with the ISTS at a single connection point

B6. Connectivity Agreement

FORMAT-CONN-CA-5	Connectivity Agreement under Regulation 10.7
------------------	--

C. GNA

C1. Application

FORMAT-GNA-APP-1	Application for Additional Grant of GNA to STUs under Regulation 19
FORMAT-GNA-APP-2	Application for Grant of GNA to entities other than STU under Regulation 20.1 and 20.3 to entities under Regulation 17.1(ii), (iii) and (v)
FORMAT-GNA-CB-APP-3	Application for Grant of GNA by entities other than STU under Regulation 20.2 for entities under Regulation 17.1(iv)
FORMAT-GNA-APP-4	Application for Grant of GNA for entities covered under regulation 17.2
FORMAT-GNA-TRANS-APP-5	Application for use of GNA by other grantee(s) under regulation 23
FORMAT-GNA-REL-6	Notice for relinquishment of GNA under Regulation 25

C2. Intimation

FORMAT-GNA-INT-1	Intimation for Grant of GNA to STUs under Regulation 22
FORMAT-GNA-INT-2A	Intimation for In-Principle Grant of GNA under Regulation 22.2 to entities under Regulation 17.1 (ii), (iii) and (v)

Format name	Description
FORMAT-GNA-INT-2B	Intimation for Final Grant of GNA under Regulation 22.2 to entities under Regulation 17.1 (ii), (iii) and (v)
FORMAT-GNA-CB-INT-3A	Intimation for In-Principle Grant of GNA under Regulation 22.2 to entities under Regulation 17.1 (iv)
FORMAT-GNA-CB-INT-3B	Intimation for Final Grant of GNA under Regulation 22.2 to entities under Regulation 17.1 (iv)
FORMAT-GNA-INT-4	Intimation for Grant of GNA for entities covered under Regulation 17.2
FORMAT-GNA-TRANS-INT-5	Intimation for use of GNA by other grantee(s) under Regulation 23
FORMAT-GNA-REL-INT-6	Intimation for Relinquishment of GNA under Regulation 25

D. Technical Data (in Volume-II)

FORMAT-CONN-TD-1	Submission of Technical Connection data under Regulation 10.1 for RE Generator / BESS
FORMAT-CONN-TD-2	Submission of Technical Connection data under Regulation 10.1 for Thermal/ Hydro/ Nuclear Generating Stations including Pumped Storage Projects (PSP)
FORMAT-CONN-TD-3	Submission of Technical Connection data under Regulation 10.1 for Bulk Consumer/Distribution Licensee
FORMAT-CONN-TD-4	Intimation of Connection details under Regulation 10.2

FORMAT-AFFIDAVIT

Notes:

The prescribed text shall be printed on a Non-Judicial Stamp Paper of minimum value of Rs. 10/- purchased in name of the applicant.

The printed document should be signed by the duly authorized signatory i.e. the same person who is signing the application.

After signing, the signed document is required to be attested by Notary and scanned in pdf format.

Instructions provided in this box shall not be printed on the Stamp Paper

AFFIDAVIT IN SUPPORT OF APPLICATION FOR CONNECTIVITY / GNA

I (Name) S/o Shri (Father's name) working as (Designation) in (Name of the Applicant organization / entity, having its registered office at (Address of the Applicant organization / entity), do solemnly affirm and say as follows:

1. I am the (Designation) of/at (Name of the Applicant organization / entity), the representative in the above matter and am duly authorized by the Board Resolution dated of the above referred Company attached herewith to file the present application and to make this affidavit.
2. I submit that M/s (Name of the Applicant organization / entity) is a central/state Government entity or an entity incorporated and registered under the Companies Act, 2013. Under the Articles of Association of the Company and in accordance with the provisions of Electricity Act, 2003/ Applicable Regulation(s) of CERC and Procedures notified thereunder, the Applicant can file the enclosed application.
3. I submit that all the details given in the enclosed Application for Grant of Connectivity / GNA are true and correct and nothing material has been concealed thereof.
4. I submit that all the documents enclosed are original or true copies of their respective originals.

5. I am aware that if at any stage any falsity / inaccuracy / incorrectness is detected in the documents / statements, the application itself or the grant of Connectivity / GNA shall be liable for rejection or revocation (as the case may be) along with all associated consequences in this regard.

6. I also agree to indemnify and keep indemnified and harmless CTU and its affiliates and their respective successors and assigns from and against any and all actions, claims, proceedings, suits and judgments, damages and losses, all costs, charges and expenses relating thereto including those arising out of any false representation or breach or failure by Applicant, to comply with any Regulatory or contractual requirements.

(Signature)

Name of the Applicant

(To be duly attested by Notary)

FORMAT-CONN-APP-1

**APPLICATION FOR CONNECTIVITY TO ISTS UNDER REGULATION 4.1, 4.2, 5.6,
and 5.7**

A. General

1. Name of the Applicant:

2. Address for Correspondence:

3. Contact Details:

Name of Primary Contact Person:

Designation:

Phone No.:

E-Mail:

Name of Alternate Contact Person:

Designation:

Phone No.:

E-Mail:

4. Registration number issued by the CEA Registry, as applicable:

5. Nature of the Applicant:

- i. Generating station(s), including REGS(s), without ESS
- ii. Generating station(s), including REGS(s), without ESS through a lead generator
- iii. Generating station(s), including REGS(s), with ESS
- iv. Generating station(s), including REGS(s), with ESS through a lead generator
- v. Generating station(s), including REGS(s), with ESS through a lead ESS
- vi. Captive generating plant
- vii. Standalone ESS
- viii. Standalone ESS through a lead generator
- ix. Standalone ESS through a lead ESS
- x. Renewable Power Park developer

- xi. Renewable Energy generating station or standalone ESS through the electrical system of generating station or any entity already having Connectivity to ISTS

6. Details of the Generation Project/Renewable Power Park:

Name(s) of the Generation Project:

Energy Source:

Installed Capacity

Step-up/Connection Voltage:

Nearest Village / Town:

District:

State:

Latitude:

Longitude:

7. Planned Capacity with expected time line for completion of the Generation Project/ Renewable Power Park (Stage wise):

8. Details of Bank Account for Refund of fee

Beneficiary Account Number:

Beneficiary Account Name:

IFSC Code:

Bank Name:

Branch Name:

B Details of Connectivity:

9. Whether enhancement of Connectivity applied: Yes or No

9a. If Yes, following details to be provided:

- i. Additional Capacity (≤ 50 MW) for which connectivity is required:
 - ii. Date from which additional connectivity is required:
 - iii. Application number already granted Connectivity:
 - iv. Connectivity intimations number and date:
 - v. Capacity (MW) for which connectivity is originally granted/ enhanced:
 - vi. ISTS sub-station and bay at which Connectivity is granted:
-

vii. Date from which connectivity/enhancement in Connectivity is granted:

9b. If No, following details to be provided:

i. Capacity (MW) for which connectivity is required:

ii. Date from which connectivity is required:

iii. Details of nearest 765/400/220/132 kV sub-stations, in case information is available:

Voltage levels available:

Owner:

Distance (km):

10. Terminal bays at ISTS end to be constructed under ISTS: Yes or No

11. Whether applied under Regulation 5.6: Yes or No

11a. If Yes, following details to be provided:

Terminal bay to be shared: Yes or No

To be connected at switchyard: Yes or No

Name of grantee with whom sharing is proposed:

Connectivity Application number of grantee:

ISTS substation at which grantee is connected:

Details of DTL of grantee:

i. Line length:

ii. Conductor type including bundling:

iii. Thermal Capacity:

iv. Voltage level:

12. Whether connectivity applied under Regulation 5.7: Yes or No

C. Details of Documents: (* - as applicable)

i. Notarized affidavit as per **FORMAT-AFFIDAVIT**

ii. Bank generated proof of digital payment for application

iii. Certified true copy of Board Resolution authorizing a designated person for filing of application, where applicant is a company

- iv. Registration Number along with certificate issued by the CEA Registry
- v. Site(s) identification
- vi. *Copy of Authorization by the Central Government or State Government as Renewable Power Park Developer
- vii. *Agreement for sharing the dedicated transmission lines and terminal bay(s) in case of the Lead Generator or Lead ESS as **per FORMAT-CONN-SHARE-LEAD**
- viii. *Consent of the Lead Generator or Lead ESS, as the case may be, to be responsible for compliance of the provisions of the Grid Code and other Regulations of the CERC
- ix. *In case of the Applicant covered under Regulation 5.6, Agreement between the applicant and the Connectivity grantee or the generating station having Connectivity to ISTS, for sharing the terminal bay(s) or the switchyard, as the case may be, and the dedicated transmission lines as per **FORMAT-CONN-SHARE**
- x. *In case of Applicant covered under Regulation 5.7, Agreement between the Applicant(s) for sharing the terminal bay and the dedicated transmission lines as per **FORMAT-CONN-SHARE**

I confirm that I am well aware of the CERC Regulations and Detailed Procedure and all the details entered by me are in conformity with the Regulations including CEA (Cyber Security in Power Sector) Guidelines, 2021. I submit that all the details given in the Application for Connectivity to ISTS are true and correct and nothing material has been concealed thereof. I also submit that the documents attached are scanned/true copies of their respective originals.

Submission Date:

Submission Time:

Digital Signature:

[should be Class 3-type i.e. mapped to the company and having a validity for a minimum period of 3 months from date of application]

FORMAT-CONN-APP-2

**APPLICATION FOR ADDITION OF GENERATION CAPACITY INCLUDING ESS
WITHIN THE QUANTUM OF CONNECTIVITY GRANTED UNDER REGULATION**

5.2

A General

1. Name of the Applicant:

2. Address for Correspondence:

3. Contact Details:

Name of Primary Contact Person:

Designation:

Phone No.:

E-Mail:

Name of Alternate Contact Person:

Designation:

Phone No:

E-Mail:

4. Registration number issued by the CEA Registry, as applicable:

5. Nature of the Applicant

- i. Generating station(s), including REGS(s), without ESS
- ii. Generating station(s), including REGS(s), without ESS through a lead generator
- iii. Generating station(s), including REGS(s), with ESS
- iv. Generating station(s), including REGS(s), with ESS through a lead generator
- v. Generating station(s), including REGS(s), with ESS through a lead ESS
- vi. Captive generating plant
- vii. Standalone ESS
- viii. Standalone ESS through a lead generator
- ix. Standalone ESS through a lead ESS

- x. Renewable Power Park developer
- xi. Renewable Energy generating station or standalone ESS through the electrical system of generating station or any entity already having Connectivity to ISTS

6. Details of the Generation Project / Renewable Power Park/ESS:

Name(s) of the Generation Project / Park:

Energy Source:

Step-up/Connection Voltage:

Nearest Village / Town:

District:

State:

Latitude:

Longitude:

7. Detail of earlier connectivity:

- i. Ref. Application No. & date:
- ii. CTU Intimations No. & date (if applicable):
- iii. Capacity (MW) for which connectivity is originally granted/ enhanced:
- iv. ISTS sub-station and bay no. at which Connectivity is granted:
- v. Date from which connectivity/enhancement in Connectivity is granted:

8. Details of Bank Account for Refund of fee

Beneficiary Account Number:

Beneficiary Account Name:

IFSC Code:

Bank Name:

Branch Name:

B Details of Additional Connectivity:

9. Planned Additional Generation Capacity (Stage wise):

- i. Quantum of Additional Generation Capacity (MW):
-

- ii. Date from which Additional Generation Capacity (MW) will be added:
- iii. Details of Nearest 765/400/220/132 kV sub-stations, in case information is available

Voltage levels available:

Owner:

Distance (km):

C Details of Documents:

- i. Notarized affidavit as per **FORMAT-AFFIDAVIT**
- ii. Certified true copy of Board Resolution authorizing a person for filing of application, where applicant is a company
- iii. Registration Number along with certificate issued by the CEA Registry

I confirm that I am well aware of the CERC Regulations and Detailed Procedure and all the details entered by me are in conformity with the Regulations including CEA (Cyber Security in Power Sector) Guidelines, 2021.. I submit that all the details given in the Application are true and correct and nothing material has been concealed thereof. I also submit that the documents attached are scanned/true copies of their respective originals.

Submission Date:

Submission Time:

Digital Signature:

[should be Class 3-type i.e. mapped to the company and having a validity for a minimum period of 3 months from date of application]

FORMAT-CONN-TRANS-APP-3

APPLICATION FOR TRANSFER OF CONNECTIVITY UNDER REGULATION 15

1.	Name of the applicant seeking the transfer of Connectivity (Transferee)	
2.	Address for Correspondence	
3.	Contact Details	
	Primary Contact Person	
	Designation	
	Phone No. (mobile)	
	E-Mail	
	Name of Alternate Contact Person	
	Designation	
	Phone No.	
	E-Mail	
4.	Name of the original Connectivity Grantee (Transferrer)	
5.	Details of Connectivity originally Granted: a) Intimation No. & date: b) Ref. Application No. & date: c) Installed Capacity (MW): d) Capacity (MW) for which Connectivity granted: e) ISTS sub-station and bay at which Connectivity granted: f) Date from which connectivity granted:	
6.	Quantum of Connectivity to be transferred (MW)	
7.	Date of COD of part/full capacity to be transferred	
8.	Shareholding of the applicant's company in the acquired company (must be 51% or more)	

9.	Details of Documents enclosed with the Application	
	COD Certificate corresponding to the quantum of Connectivity to be transferred. Documents certifying stake of transferee in the company.	

I confirm that I am well aware of the CERC Regulations and Detailed Procedure and all the details entered by me are in conformity with the Regulations.

I submit that all the details given in the attached Application for Transfer of Connectivity are true and correct and nothing material has been concealed thereof.

I also submit that the documents attached are scanned/true copies of their respective originals

I submit that the transferee shall undertake all regulatory, operational and commercial obligations, including the past liabilities of transferrer if any, in following the provisions of the Indian Electricity Grid Code and other regulations of the Commission, such as grid security, metering, scheduling and dispatch, payment of transmission charges, deviation charges, congestion and other charges etc.

I submit that the transferee shall also keep the CTUIL indemnified at all times and shall undertake to indemnify, defend and keep the CTUIL harmless from 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 above transfer.

Submission Date:

Submission Time:

Digital Signature:

[should be Class 3-type i.e. mapped to the company and having a validity for a minimum period of 3 months from date of application]

FORMAT-CONN-REL-4

NOTICE FOR RELINQUISHMENT OF CONNECTIVITY UNDER REGULATION 24

- 1. Name of the Applicant :**
 - 2. Address of correspondence :**
 - 3. Contact Details :**
 - Name of Primary Contact Person :
 - Designation :
 - Phone No. :
 - E-Mail :

 - Name of Alternate Contact Person :
 - Designation :
 - Phone No. :
 - E-Mail :
 - 4. Nature of applicant:**
 - i. Generating station(s), including REGS(s), without ESS
 - ii. Generating station(s), including REGS(s), without ESS through a lead generator
 - iii. Generating station(s), including REGS(s), with ESS
 - iv. Generating station(s), including REGS(s), with ESS through a lead generator
 - v. Generating station(s), including REGS(s), with ESS through a lead ESS
 - vi. Captive generating plant
 - vii. Standalone ESS
 - viii. Standalone ESS through a lead generator
 - ix. Standalone ESS through a lead ESS
 - x. Renewable Power Park developer
 - xi. Renewable Energy generating station or standalone ESS through the electrical system of generating station or any entity already having Connectivity to ISTS
 - 5. Detail of earlier connectivity:**
-

- i. Ref. Application No. & date:
- ii. CTU Intimations No. & date (if applicable):
- iii. Capacity (MW) for which connectivity is originally granted/ enhanced:
- iv. ISTS sub-station and bay no. at which Connectivity is granted:
- v. Date from which connectivity/enhancement in Connectivity is granted:

6. Details for relinquishment of Connectivity:

- i. Quantum (MW) of Connectivity to be relinquished :
- ii. Date from Which Connectivity relinquished :

I confirm that I am well aware of the CERC Regulations and Detailed Procedure and all the details entered by me are in conformity with the Regulations.

I submit that all the details given in the attached Application are true and correct and nothing material has been concealed thereof. I hereby agree and acknowledge that in case of any deficiency in the application, I shall have only one opportunity to rectify the deficiencies within the stipulated time period (as per Regulations/Procedure) where after the application shall be liable for rejection at my risk and responsibility.

Submission Date:

Submission Time:

Digital Signature:

[should be Class 3-type i.e. mapped to the company and having a validity for a minimum period of 3 months from date of application]

FORMAT-CONN-INT-1A

INTIMATION FOR IN-PRINCIPLE GRANT OF CONNECTIVITY UNDER REGULATIONS 7.1 and 7.2		
A General		
1.	Intimation No	: CTU/Region/Conn-INT-1A/Application no.
	Date	:
2.	Ref. Application No.	:
	Date	:
3.	Name of the Applicant	:
4.	Address for Correspondence	:
5.	Location of the Generating Station	:
	Latitude	:
	Longitude	:
	state	:
6.	Nature of the Applicant	:
B Connectivity Details		
7	ATS/Network Expansion Required	Yes/No
7a	Associated Transmission System (ATS)	: Including broad design features
	Scheme details	
	Scheduled commissioning date of ATS	:
	Estimated Cost of ATS	
7b	Network expansion system (NES)	:
	Scheme details	
	Scheduled commissioning date of NES	:
8	Connectivity substation details	:
	ISTS sub-station at which connectivity is granted	:
	Voltage level of allocated terminal bay	

	Terminal bay at ISTS end already available		Yes/No
	Terminal bay at ISTS end to be constructed under ISTS	:	Yes/No
	Bay no. and SLD	:	
	Capacity (MW) for which connectivity is granted		
	Likely Start date of Connectivity		
9	Dedicated Transmission Line (DTL)	:	Including broad design features of DTL
C Bank Guarantees to be submitted			
	Amount of Conn-BG1		Rs. 50 lakhs
	Amount of Conn-BG2		
	Amount of Conn-BG3 @2 lakh/MW	:	

Note: Connectivity is granted to the ISTS with following:

1. Conn-BG1, Conn-BG2 and Conn-BG3, as applicable, shall be furnished within 1 (one) month of intimation of respective grant of Connectivity, failing which the application for Connectivity shall be closed, and the application fee shall be forfeited and applicable Conn-BGs would be encashed as per the Regulation. No extension of time shall be granted to furnish the requisite bank guarantee, and in such case the Connectivity shall be revoked under intimation to the Connectivity grantee/applicant.
2. 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, 2021 and corresponding Detailed Procedure for Connectivity and GNA;
 - iii) CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007;
 - iv) CEA (Technical Standards for construction of Electrical Plants and Electric Lines) Regulations, 2010;
 - v) CEA (Grid Standard) Regulations, 2010;

- vi) CEA (Safety requirements for construction, operation and maintenance of Electrical Plants and Electrical Lines) Regulations, 2011;
- vii) CEA (Measures relating to Safety and Electricity Supply) Regulations, 2010;
- viii) CEA (Installation and Operation of Meters) Regulations, 2006;
- ix) CEA (Technical Standards for Communication System in Power System Operations) Regulations, 2020;
- x) CERC (Communication System for Inter –State transmission of Electricity) regulations, 2017;
- xi) CERC (Indian Electricity Grid Code) Regulations, 2010;
- xii) CEA (Cyber Security in Power Sector) Guidelines, 2021;
- xiii) Any other applicable Act / Rules / Guidelines / Standards / Regulations / Procedures etc.

Non-compliance of above shall be dealt with as per the relevant provisions stipulated.

3. 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.
 4. Connectivity grantee shall furnish progress of the monitoring parameters on quarterly basis in the format given at **FORMAT-CONN-STATUS-CG** by the last day of each quarter through the online facility developed on the CTU website. Procedure for online submission of status report of connectivity grantees is available on the CTU website.
 5. The dedicated line including terminal line bay at generator end shall be developed by the grantee at their own cost.
 6. Considering Right-of-Way near substation for termination of number of 400/ 220kV dedicated transmission lines, the connectivity grantees may coordinate among themselves for implementation of 400/ 220kV lines (as applicable) through multi circuit tower near the substation entry for about 2-3 kms stretches.
 7. 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 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.

8. Operation and maintenance expenses as well as transmission losses from the generator pooling station up to the ISTS sub-station shall be shared in proportion to the capacity of the renewable energy generating stations sharing the transmission infrastructure.
9. Connectivity grantee shall have to furnish technical data and requisite compliance as per **FORMAT-CONN-TD-1 / FORMAT-CONN-TD-2 / FORMAT-CONN-TD-3** (as applicable) in line with CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007 & amendment(s) thereof, including the provisions of LVRT/HVRT, active power injection control, dynamically varying reactive power support, limits for Harmonic & DC current injection, Flicker limits, etc. (*Report of the Working Group in respect of data submission procedure and verification of compliance to CEA Regulations on Technical Standards for Connectivity to the Grid by RE generators published on CTU website*), to CTU within 30 days from final grant of Connectivity for signing of "Connectivity Agreement". In case technical data provided is tentative, then final technical data shall be provided at least one (1) year prior to physical connection.
10. Grantee shall have to inform likely date of synchronization, likely quantum and period of injection of infirm power before being put into commercial operation to the SLDC/RLDC concerned at least one month in advance and obtain their concurrence for the same.
11. The Connectivity grantee shall furnish certificate issued by Electrical Inspectorate of CEA under Regulation 43 of the CEA (Measures relating to Safety and Electric Supply) Regulations, 2010 for the dedicated transmission line(s) and generator pooling station (s) within 10 days of receipt of same from CEA.

12. As per IEGC and CERC Order in Petition No: 420/MP/2014, Wind / Solar Generators are required to provide data acquisition system facility for transfer of data and information to concerned SLDC and RLDC.
13. Grantee shall provide details of Special Protection Scheme (SPS), if required, integrated into their system. In that event, details of SPS and its setting shall be worked out by the Grantee in consultation with respective RLDC and RPC.
14. Connectivity grantee shall provide Fibre Optic based communication system comprising OPGW cable (having minimum 12 Fibers) & hardware fittings for the dedicated transmission line and with FOTE (STM-16) terminal equipment, FODP, and approach cables at the Generating station. At ISTS station, the OPGW shall be terminated in Junction box to be mounted at Terminal Gantry by the Stage-II Connectivity grantee. The FOTE equipment, FODP and approach cable at ISTS station are to be provided by the bay owner, however, the grantee shall provide all necessary support to bay owner for successful commissioning of the communication system. The communication system shall facilitate telemetry data communication, voice communication and tele-protection. Wherever transmission line is routed through multi-circuit towers, an OPGW of 48 Fibers shall be considered in Multi-Circuit Portion. Further, the Connectivity grantee also needs to provide Phasor Measurement Units (PMU) at the generating station.

Place: _____ Name: _____
Date: _____ Designation: _____

Acceptance of Intimation by applicant under Regulation 7.2

(to be submitted within 30 days of grant of intimation)

We hereby unequivocally accept the grant of Connectivity issued vide CTU intimation no. ----- dated -----.

Place: _____ Name: _____
Date: _____ Designation: _____

FORMAT-CONN-INT-1B

INTIMATION FOR DETAILS FOR ATS & CONN-BG2 FOR CONNECTIVITY UNDER REGULATION 8.3		
A General		
1.	Intimation No.	: CTU/Region/Conn-INT-1B/Application no.
	Date	:
2.	Ref. Application No.	:
	Date	:
3.	Name of the Applicant	:
B Connectivity Details		
4.	Details for Connectivity granted	
4a	ISTS sub-station at which connectivity is granted	:
4b	Bay no. and SLD (in case of existing substation)	:
4c	Scheduled date of commercial operation of bay at ISTS end	:
4d	Associated Transmission System (ATS)	: Including broad design features of DTL
	Scheduled commissioning date of ATS	:
4e	Network expansion system (NES)	:
	Scheduled commissioning date of NES	:
4f	Firm date of start of connectivity	:
C Bank Guarantee to be submitted		
5.	Conn-BG 2 to be furnished towards ATS and terminal bays(s)	:

Note: Connectivity is granted to the ISTS with following:

1. Conn-BG1, Conn-BG2 and Conn-BG3, as applicable, shall be furnished within 1 (one) month of intimation of respective grant of Connectivity, failing which the application for Connectivity shall be closed, and the application fee shall be forfeited and applicable Conn-BGs would be encashed as per the Regulation. No extension of time shall be granted to furnish the requisite bank guarantee, and in such case the Connectivity shall be revoked under intimation to the Connectivity grantee/applicant.
2. 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, 2021 and corresponding Detailed Procedure for Connectivity and GNA;
- iii) CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007;
- iv) CEA (Technical Standards for construction of Electrical Plants and Electric Lines) Regulations, 2010;
- v) CEA (Grid Standard) Regulations, 2010;
- vi) CEA (Safety requirements for construction, operation and maintenance of Electrical Plants and Electrical Lines) Regulations, 2011;
- vii) CEA (Measures relating to Safety and Electricity Supply) Regulations, 2010;
- viii) CEA (Installation and Operation of Meters) Regulations, 2006;
- ix) CEA (Technical Standards for Communication System in Power System Operations) Regulations, 2020;
- x) CERC (Communication System for Inter –State transmission of Electricity) regulations, 2017;
- xi) CERC (Indian Electricity Grid Code) Regulations, 2010;
- xii) CEA (Cyber Security in Power Sector) Guidelines, 2021;
- xiii) Any other applicable Act / Rules / Guidelines / Standards / Regulations / Procedures etc.

Non-compliance of above shall be dealt with as per the relevant provisions stipulated.

3. 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.
4. Connectivity grantee shall furnish progress of the monitoring parameters on quarterly basis in the format given at **FORMAT-CONN-STATUS-CG** by the last day of each quarter through the online facility developed on the CTU website. Procedure for online submission of status report of connectivity grantees is available on the CTU website.

5. The dedicated line including terminal line bay at generator end shall be developed by the grantee at their own cost.
 6. Considering Right-of-Way near substation for termination of number of 400/ 220kV dedicated transmission lines, the connectivity grantees may coordinate among themselves for implementation of 400/ 220kV lines (as applicable) through multi circuit tower near the substation entry for about 2-3 kms stretches.
 7. 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 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.
 8. Operation and maintenance expenses as well as transmission losses from the generator pooling station up to the ISTS sub-station shall be shared in proportion to the capacity of the renewable energy generating stations sharing the transmission infrastructure.
 9. Connectivity grantee shall have to furnish technical data and requisite compliance as per **FORMAT-CONN-TD-1 / FORMAT-CONN-TD-2 / FORMAT-CONN-TD-3** (as applicable) in line with CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007 & amendment(s) thereof, including the provisions of LVRT/HVRT, active power injection control, dynamically varying reactive power support, limits for Harmonic & DC current injection, Flicker limits, etc. (*Report of the Working Group in respect of data submission procedure and verification of compliance to CEA Regulations on Technical Standards for Connectivity to the Grid by RE generators* published on CTU website), to CTU within 30 days from final grant of Connectivity for signing of "Connectivity Agreement". In case technical data provided is tentative, then final technical data shall be provided at least one (1) year prior to physical connection.
 10. Grantee shall have to inform likely date of synchronization, likely quantum and period of injection of infirm power before being put into commercial operation to the
-

SLDC/RLDC concerned at least one month in advance and obtain their concurrence for the same.

11. The Connectivity grantee shall furnish certificate issued by Electrical Inspectorate of CEA under Regulation 43 of the CEA (Measures relating to Safety and Electric Supply) Regulations, 2010 for the dedicated transmission line(s) and generator pooling station (s) within 10 days of receipt of same from CEA.
12. As per IEGC and CERC Order in Petition No: 420/MP/2014, Wind / Solar Generators are required to provide data acquisition system facility for transfer of data and information to concerned SLDC and RLDC.
13. Grantee shall provide details of Special Protection Scheme (SPS), if required, integrated into their system. In that event, details of SPS and its setting shall be worked out by the Grantee in consultation with respective RLDC and RPC.
14. Connectivity grantee shall provide Fibre Optic based communication system comprising OPGW cable (having minimum 12 Fibers) & hardware fittings for the dedicated transmission line and with FOTE (STM-16) terminal equipment, FODP, and approach cables at the Generating station. At ISTS station, the OPGW shall be terminated in Junction box to be mounted at Terminal Gantry by the Stage-II Connectivity grantee. The FOTE equipment, FODP and approach cable at ISTS station are to be provided by the bay owner, however, the grantee shall provide all necessary support to bay owner for successful commissioning of the communication system. The communication system shall facilitate telemetry data communication, voice communication and tele-protection. Wherever transmission line is routed through multi-circuit towers, an OPGW of 48 Fibers shall be considered in Multi-Circuit Portion. Further, the Connectivity grantee also needs to provide Phasor Measurement Units (PMU) at the generating station.

Place:

Name:

Date:

Designation:

FORMAT-CONN-INT-1C

INTIMATION FOR FINAL GRANT OF CONNECTIVITY UNDER REGULATION 9			
A General			
1.	Intimation No.	:	CTU/Region/Conn-INT-1C/Application no.
	Date	:	
2.	Ref. Application No.	:	
	Date	:	
3.	Name of the Applicant	:	
4.	Address for Correspondence	:	
5.	Location of the Generating Station	:	
	Latitude	:	
	Longitude	:	
	State	:	
6.	Nature of the Applicant	:	
B Connectivity Details			
7.	Details for Connectivity granted Quantum		
7a	Capacity (MW) for which connectivity is granted	:	
7b	ISTS sub-station at which connectivity is granted	:	
7c	Bay no. and SLD (in case of existing substation)	:	
7d	Scheduled date of commercial operation of bay at ISTS end	:	
7e	Location of substation (in case of under construction)	:	
	Latitude	:	
	Longitude	:	
7f	Scheduled date of commercial operation of substation	:	

7g	Associated Transmission System (ATS)	:	Including broad design features of DTL
	Scheduled commissioning date of ATS		
7h	Network expansion system (NES)		
	Scheduled commissioning date of NES	:	
7i	Firm date of start of connectivity		
C Bank Guarantee Details			
8.	Amount of BGs submitted		
8a	Conn-BG1		
8b	Conn-BG2		
8c	Conn-BG3		

Note: Connectivity is granted to the ISTS with following:

1. Conn-BG1, Conn-BG2 and Conn-BG3, as applicable, shall be furnished within 1 (one) month of intimation of respective grant of Connectivity, failing which the application for Connectivity shall be closed, and the application fee shall be forfeited and applicable Conn-BGs would be encashed as per the Regulation. No extension of time shall be granted to furnish the requisite bank guarantee, and in such case the Connectivity shall be revoked under intimation to the Connectivity grantee/applicant.
2. 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, 2021 and corresponding Detailed Procedure for Connectivity and GNA;
 - iii) CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007;
 - iv) CEA (Technical Standards for construction of Electrical Plants and Electric Lines) Regulations, 2010;
 - v) CEA (Grid Standard) Regulations, 2010;

- vi) CEA (Safety requirements for construction, operation and maintenance of Electrical Plants and Electrical Lines) Regulations, 2011;
- vii) CEA (Measures relating to Safety and Electricity Supply) Regulations, 2010;
- viii) CEA (Installation and Operation of Meters) Regulations, 2006;
- ix) CEA (Technical Standards for Communication System in Power System Operations) Regulations, 2020;
- x) CERC (Communication System for Inter –State transmission of Electricity) regulations, 2017;
- xi) CERC (Indian Electricity Grid Code) Regulations, 2010;
- xii) CEA (Cyber Security in Power Sector) Guidelines, 2021;
- xiii) Any other applicable Act / Rules / Guidelines / Standards / Regulations / Procedures etc.

Non-compliance of above shall be dealt with as per the relevant provisions stipulated.

3. 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.
 4. Connectivity grantee shall furnish progress of the monitoring parameters on quarterly basis in the format given at **FORMAT-CONN-STATUS-CG** by the last day of each quarter through the online facility developed on the CTU website. Procedure for online submission of status report of connectivity grantees is available on the CTU website.
 5. The dedicated line including terminal line bay at generator end shall be developed by the grantee at their own cost.
 6. Considering Right-of-Way near substation for termination of number of 400/ 220kV dedicated transmission lines, the connectivity grantees may coordinate among themselves for implementation of 400/ 220kV lines (as applicable) through multi circuit tower near the substation entry for about 2-3 kms stretches.
 7. 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 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.

8. Operation and maintenance expenses as well as transmission losses from the generator pooling station up to the ISTS sub-station shall be shared in proportion to the capacity of the renewable energy generating stations sharing the transmission infrastructure.
9. Connectivity grantee shall have to furnish technical data and requisite compliance as per **FORMAT-CONN-TD-1 / FORMAT-CONN-TD-2 / FORMAT-CONN-TD-3** (as applicable) in line with CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007 & amendment(s) thereof, including the provisions of LVRT/HVRT, active power injection control, dynamically varying reactive power support, limits for Harmonic & DC current injection, Flicker limits, etc. (*Report of the Working Group in respect of data submission procedure and verification of compliance to CEA Regulations on Technical Standards for Connectivity to the Grid by RE generators published on CTU website*), to CTU within 30 days from final grant of Connectivity for signing of "Connectivity Agreement". In case technical data provided is tentative, then final technical data shall be provided at least one (1) year prior to physical connection.
10. Grantee shall have to inform likely date of synchronization, likely quantum and period of injection of infirm power before being put into commercial operation to the SLDC/RLDC concerned at least one month in advance and obtain their concurrence for the same.
11. The Connectivity grantee shall furnish certificate issued by Electrical Inspectorate of CEA under Regulation 43 of the CEA (Measures relating to Safety and Electric Supply) Regulations, 2010 for the dedicated transmission line(s) and generator pooling station (s) within 10 days of receipt of same from CEA.

12. As per IEGC and CERC Order in Petition No: 420/MP/2014, Wind / Solar Generators are required to provide data acquisition system facility for transfer of data and information to concerned SLDC and RLDC.
13. Grantee shall provide details of Special Protection Scheme (SPS), if required, integrated into their system. In that event, details of SPS and its setting shall be worked out by the Grantee in consultation with respective RLDC and RPC.
14. Connectivity grantee shall provide Fibre Optic based communication system comprising OPGW cable (having minimum 12 Fibers) & hardware fittings for the dedicated transmission line and with FOTE (STM-16) terminal equipment, FODP, and approach cables at the Generating station. At ISTS station, the OPGW shall be terminated in Junction box to be mounted at Terminal Gantry by the Stage-II Connectivity grantee. The FOTE equipment, FODP and approach cable at ISTS station are to be provided by the bay owner, however, the grantee shall provide all necessary support to bay owner for successful commissioning of the communication system. The communication system shall facilitate telemetry data communication, voice communication and tele-protection. Wherever transmission line is routed through multi-circuit towers, an OPGW of 48 Fibers shall be considered in Multi-Circuit Portion. Further, the Connectivity grantee also needs to provide Phasor Measurement Units (PMU) at the generating station.

Place:

Name:

Date:

Designation:

FORMAT-CONN-INT-2**INTIMATION FOR ADDITIONAL GENERATION CAPACITY, INCLUDING ESS,
WITHIN THE QUANTUM OF CONNECTIVITY GRANTED UNDER REGULATION****5.2**

A General			
1.	Intimation No.	:	CTU/Region/Conn-INT-2/Application no.
	Date	:	
2.	Ref. Application No.	:	
	Date	:	
3.	Name of the Applicant	:	
4.	Address for Correspondence	:	
5.	Location of the Generating Station	:	
	Latitude	:	
	Longitude	:	
6.	Nature of the Applicant	:	
B Connectivity Details			
7.	Details for Connectivity granted Quantum	:	
7a	Intimation No. & date	:	
7b	Ref. Application No. & date	:	
7c	Installed Capacity (MW)	:	
7d	Capacity (MW) for which connectivity already granted	:	
7e	ISTS sub-station and bay no. at which Connectivity granted	:	
7f	Date from which connectivity granted	:	

8.	Additional Generation Capacity allowed to be connected, without change in Connectivity quantum already granted (MW)	:	
9.	Tentative date from which additional Generation Capacity to be added	:	

Note:

1. This approval is for addition of additional generation capacity of ---MW within the quantum of Connectivity granted for ---MW vide intimation dated ---. The applicant shall ensure that it will keep the injection quantum to the extent of Connectivity granted i.e. ---MW.
2. 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, 2021 and corresponding Detailed Procedure for Connectivity and GNA;
 - iii) CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007;
 - iv) CEA (Technical Standards for construction of Electrical Plants and Electric Lines) Regulations, 2010;
 - v) CEA (Grid Standard) Regulations, 2010;
 - vi) CEA (Safety requirements for construction, operation and maintenance of Electrical Plants and Electrical Lines) Regulations, 2011;
 - vii) CEA (Measures relating to Safety and Electricity Supply) Regulations, 2010;
 - viii) CEA (Installation and Operation of Meters) Regulations, 2006;
 - ix) CEA (Technical Standards for Communication System in Power System Operations) Regulations, 2020;
 - x) CERC (Communication System for Inter –State transmission of Electricity) regulations, 2017;
 - xi) CERC (Indian Electricity Grid Code) Regulations, 2010;
 - xii) CEA (Cyber Security in Power Sector) Guidelines, 2021;

xiii) Any other applicable Act / Rules / Guidelines / Standards / Regulations / Procedures etc.

Non-compliance of above shall be dealt with as per the relevant provisions stipulated.

3. 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.
 4. Connectivity grantee shall furnish progress of the monitoring parameters on quarterly basis in the format given at **FORMAT-CONN-STATUS-CG** by the last day of each quarter through the online facility developed on the CTU website. Procedure for online submission of status report of connectivity grantees is available on the CTU website.
 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 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. Operation and maintenance expenses as well as transmission losses from the generator pooling station up to the ISTS sub-station shall be shared in proportion to the capacity of the renewable energy generating stations sharing the transmission infrastructure.
 7. Connectivity grantee shall have to furnish technical data and requisite compliance as per **FORMAT-CONN-TD-1 / FORMAT-CONN-TD-2 / FORMAT-CONN-TD-3** (as applicable) in line with CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007 & amendment(s) thereof, including the provisions of
-

LVRT/HVRT, active power injection control, dynamically varying reactive power support, limits for Harmonic & DC current injection, Flicker limits, etc. (*Report of the Working Group in respect of data submission procedure and verification of compliance to CEA Regulations on Technical Standards for Connectivity to the Grid by RE generators* published on CTU website), to CTU within 30 days from final grant of Connectivity for signing of “Connectivity Agreement”. In case technical data provided is tentative, then final technical data shall be provided at least one (1) year prior to physical connection.

8. Grantee shall have to inform likely date of synchronization, likely quantum and period of injection of infirm power before being put into commercial operation to the SLDC/RLDC concerned at least one month in advance and obtain their concurrence for the same.
9. The Connectivity grantee shall furnish certificate issued by Electrical Inspectorate of CEA under Regulation 43 of the CEA (Measures relating to Safety and Electric Supply) Regulations, 2010 for the dedicated transmission line(s) and generator pooling station (s) within 10 days of receipt of same from CEA.
10. As per IEGC and CERC Order in Petition No: 420/MP/2014, Wind / Solar Generators are required to provide data acquisition system facility for transfer of data and information to concerned SLDC and RLDC.
11. Grantee shall provide details of Special Protection Scheme (SPS), if required, integrated into their system. In that event, details of SPS and its setting shall be worked out by the Grantee in consultation with respective RLDC and RPC.
12. Connectivity grantee shall provide Fibre Optic based communication system comprising OPGW cable (having minimum 12 Fibers) & hardware fittings for the dedicated transmission line and with FOTE (STM-16) terminal equipment, FODP, and approach cables at the Generating station. At ISTS station, the OPGW shall be terminated in Junction box to be mounted at Terminal Gantry by the Stage-II Connectivity grantee. The FOTE equipment, FODP and approach cable at ISTS station are to be provided by the bay owner, however, the grantee shall provide all necessary support to bay owner for successful commissioning of the communication system. The communication system shall facilitate telemetry data communication, voice communication and tele-protection. Wherever transmission line is routed through multi-circuit towers, an OPGW of 48 Fibers shall be

considered in Multi-Circuit Portion. Further, the Connectivity grantee also needs to provide Phasor Measurement Units (PMU) at the generating station.

Place:

Name:

Date:

Designation:

FORMAT-CONN-INT-TRANS-3

INTIMATION FOR TRANSFER OF CONNECTIVITY UNDER REGULATION 15

1. Intimation No.	CTU/Region/Conn-INT-TRANS-3/Application no.
Date	
2. Name of the Applicant:	
3. Details of Connectivity already Granted: a) Intimation No. & date: b) Ref. Application No. & date: c) Installed Capacity (MW): d) Capacity (MW) for which connectivity already granted: e) ISTS sub-station and bay at which Connectivity granted: f) Date from which connectivity granted:	
4. Nature of the Applicant:	
5. Quantum of Connectivity to be transferred (MW)	
6. Date of COD of part/full capacity to be transferred	
7. Amount of Conn-BG2 & Conn-BG3	

Note:

1. The transferee shall sign Connectivity Agreement and submit Conn BG2 and Conn BG3, as applicable, within 1 month of issue of this intimation and shall be responsible for compliance with all applicable regulations.
2. This intimation shall be effective subject to submission of Conn BG2 and Conn BG3, as applicable.

3. Conn-BG1, Conn-BG2 and Conn-BG3, as applicable, shall be furnished within 1 (one) month of intimation of respective grant of Connectivity, failing which the application for Connectivity shall be closed, and the application fee shall be forfeited and applicable Conn-BGs would be encashed as per the Regulation. No extension of time shall be granted to furnish the requisite bank guarantee, and in such case the Connectivity shall be revoked under intimation to the Connectivity grantee/applicant.
4. 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, 2021 and corresponding Detailed Procedure for Connectivity and GNA;
 - iii) CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007;
 - iv) CEA (Technical Standards for construction of Electrical Plants and Electric Lines) Regulations, 2010;
 - v) CEA (Grid Standard) Regulations, 2010;
 - vi) CEA (Safety requirements for construction, operation and maintenance of Electrical Plants and Electrical Lines) Regulations, 2011;
 - vii) CEA (Measures relating to Safety and Electricity Supply) Regulations, 2010;
 - viii) CEA (Installation and Operation of Meters) Regulations, 2006;
 - ix) CEA (Technical Standards for Communication System in Power System Operations) Regulations, 2020;
 - x) CERC (Communication System for Inter –State transmission of Electricity) regulations, 2017;
 - xi) CERC (Indian Electricity Grid Code) Regulations, 2010;
 - xii) CEA (Cyber Security in Power Sector) Guidelines, 2021;
 - xiii) Any other applicable Act / Rules / Guidelines / Standards / Regulations / Procedures etc.

Non-compliance of above shall be dealt with as per the relevant provisions stipulated.

5. 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.

6. Connectivity grantee shall furnish progress of the monitoring parameters on quarterly basis in the format given at **FORMAT-CONN-STATUS-CG** by the last day of each quarter through the online facility developed on the CTU website. Procedure for online submission of status report of connectivity grantees is available on the CTU website.
7. The dedicated line including terminal line bay at generator end shall be developed by the grantee at their own cost.
8. Considering Right-of-Way near substation for termination of number of 400/ 220kV dedicated transmission lines, the connectivity grantees may coordinate among themselves for implementation of 400/ 220kV lines (as applicable) through multi circuit tower near the substation entry for about 2-3 kms stretches.
9. 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 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.
10. Operation and maintenance expenses as well as transmission losses from the generator pooling station up to the ISTS sub-station shall be shared in proportion to the capacity of the renewable energy generating stations sharing the transmission infrastructure.
11. Connectivity grantee shall have to furnish technical data and requisite compliance as per **FORMAT-CONN-TD-1 / FORMAT-CONN-TD-2 / FORMAT-CONN-TD-3** (as applicable) in line with CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007 & amendment(s) thereof, including the provisions of

LVRT/HVRT, active power injection control, dynamically varying reactive power support, limits for Harmonic & DC current injection, Flicker limits, etc. (*Report of the Working Group in respect of data submission procedure and verification of compliance to CEA Regulations on Technical Standards for Connectivity to the Grid by RE generators published on CTU website*), to CTU within 30 days from final grant of Connectivity for signing of “Connectivity Agreement”. In case technical data provided is tentative, then final technical data shall be provided at least one (1) year prior to physical connection.

12. Grantee shall have to inform likely date of synchronization, likely quantum and period of injection of infirm power before being put into commercial operation to the SLDC/RLDC concerned at least one month in advance and obtain their concurrence for the same.
13. The Connectivity grantee shall furnish certificate issued by Electrical Inspectorate of CEA under Regulation 43 of the CEA (Measures relating to Safety and Electric Supply) Regulations, 2010 for the dedicated transmission line(s) and generator pooling station (s) within 10 days of receipt of same from CEA.
14. As per IEGC and CERC Order in Petition No: 420/MP/2014, Wind / Solar Generators are required to provide data acquisition system facility for transfer of data and information to concerned SLDC and RLDC.
15. Grantee shall provide details of Special Protection Scheme (SPS), if required, integrated into their system. In that event, details of SPS and its setting shall be worked out by the Grantee in consultation with respective RLDC and RPC.
16. Connectivity grantee shall provide Fibre Optic based communication system comprising OPGW cable (having minimum 12 Fibers) & hardware fittings for the dedicated transmission line and with FOTE (STM-16) terminal equipment, FODP, and approach cables at the Generating station. At ISTS station, the OPGW shall be terminated in Junction box to be mounted at Terminal Gantry by the Stage-II Connectivity grantee. The FOTE equipment, FODP and approach cable at ISTS station are to be provided by the bay owner, however, the grantee shall provide all necessary support to bay owner for successful commissioning of the communication system. The communication system shall facilitate telemetry data communication, voice communication and tele-protection. Wherever transmission line is routed through multi-circuit towers, an OPGW of 48 Fibers shall be

considered in Multi-Circuit Portion. Further, the Connectivity grantee also needs to provide Phasor Measurement Units (PMU) at the generating station.

Place:

Name:

Date:

Designation:

FORMAT-CONN-INT-REL-4**INTIMATION FOR RELINQUISHMENT OF CONNECTIVITY UNDER REGULATION****24**

1.	Intimation No.	CTU/Region/Conn-INT-REL-4/Application no.
	Date	
2.	Name of the Applicant:	
3.	Details of Connectivity already Granted: a) Intimation No. & date: b) Ref. Application No. & date: c) Installed Capacity (MW): d) Capacity (MW) for which connectivity already granted: e) ISTS sub-station and bay at which Connectivity granted: f) Date from which connectivity granted:	
4.	Nature of the Applicant:	
5.	Quantum (MW) of Connectivity to be relinquished	
6.	Date from which Connectivity relinquished	
7.	Connectivity remaining (MW)	

Note:

1. The treatment of Connectivity Bank Guarantee, if any, shall be as per Regulation 24.

Place:

Name:

Date:

Designation:

FORMAT-CONN-BG

**PROFORMA OF CONNECTIVITY BANK GUARANTEE- CONN-BG1/ CONN-BG2/
CONN-BG3**

(To be stamped in accordance with the Stamp Act)

Ref..... Bank Guarantee/ POI No.....

Date.....

To,
Central Transmission Utility of India Limited
Plot No.2 Sector-29 Gurugram
Haryana 122001 India

Dear Sirs,

In consideration of the Central Transmission Utility of India Limited, (hereinafter referred to as the "CTUIL" which expression shall unless repugnant to the context or meaning thereof include its successors, administrators and assigns) having assigned by CERC to process Connectivity and General Network Access applications as per Central Electricity Regulatory Commission (Connectivity and General Network Access to inter-state Transmission System) Regulations, 2022 has issued In-Principle Grant of connectivity vide intimation no. dated..... to M/s..... (Name of APPLICANT) with its Registered/Head office at..... (hereinafter referred to as the "APPLICANT" which expression shall unless repugnant to the context or meaning thereof, include its successors, administrators, executors and assigns).

WHEREAS it has been agreed by the APPLICANT that the said Bank Guarantee (BG) shall be returned or encashed in terms of Procedure for "Connectivity and General Network Access to inter-state Transmission System) Regulations, 2022.

AND WHEREAS as per Central Electricity Regulatory Commission (Connectivity and General Network Access to inter-state Transmission System) Regulations, 2022 APPLICANT is required to furnish a Bank Guarantee) for a sum of Rs. ----- /- (Rupees ----- Only) as a security for fulfilling its commitments to CTUIL as stipulated

under Regulation 8 of the aforesaid Regulation.

We (Name & Address of the Bank having its Head Office at..... (hereinafter referred to as the 'Bank', which expression shall, unless repugnant to the context or meaning thereof, include its successors, administrators, executors and assigns) do hereby guarantee and undertake to pay the CTUIL on demand any and all monies payable by the APPLICANT to the extent of Rs. ----- /- as aforesaid at any time up to *(days/month/year) without any demur, reservation, context, recourse or protest and/or without any reference to the APPLICANT. The bank guarantee can be verified through Bank's Trade & Financing portal SFMS facility and the BGs is complying with criteria at **Annexure-I**.

Any such demand made by the CTUIL on the Bank shall be conclusive and binding notwithstanding any difference between the CTUIL and the APPLICANT or any dispute pending before any Court, Tribunal, Arbitrator or any other authority. The Bank undertakes not to revoke this guarantee during its currency without previous consent of the CTUIL and further agrees that the guarantee herein contained shall continue to be enforceable till the CTUIL discharges this guarantee or till the expiry of tenor(including Claim period) whichever is earlier.

The CTUIL shall have the fullest liberty without affecting in any way the liability of the Bank under this guarantee, from time to time to extend the time for performance of the obligations under the said agreement by the APPLICANT. The CTUIL shall have the fullest liberty, without affecting this guarantee, to postpone from time to time the exercise of any powers vested in them or of any right which they might have against the APPLICANT, and to exercise the same at any time in any manner, and either to enforce or to forbear to enforce any covenants, contained or implied, in the Agreement between the CTUIL and the APPLICANT or any other course or remedy or security available to the CTUIL. The Bank shall not be released of its obligations under these presents by any exercise by the CTUIL of its liberty with reference to the matters aforesaid or any of them or by reason of any other act of omission or commission on the part of the CTUIL or any other indulgences shown by the CTUIL or by any other matter or thing whatsoever which under law would, but for this provision have the effect of relieving the Bank.

The Bank also agrees that the CTUIL at its option shall be entitled to enforce this Guarantee-as a principal debtor, in the first instance without proceeding against the APPLICANT and not withstanding any security or other guarantee the CTUIL may have in relation to the APPLICANT's liabilities.

Notwithstanding anything contained hereinabove our liability under this guarantee is restricted to Rs. ----- /- (Rupees ----- Only) and it shall remain in force up to and including..... and shall be extended from time to time for such period (not exceeding year), as may be desired by M/s on whose behalf this guarantee has been given. CTUIL shall be entitled to invoke this guarantee up to three hundred sixty five (365) days of the last date of the validity of this Guarantee.

Notwithstanding anything contained herewith:

- i. Our liability under this Bank Guarantee shall not exceed Rs. ----000/- (Rupees - ---- Only).
- ii. The Bank Guarantee shall be valid up to And claim period is -----(minimum 1 year from date of validity of bank guarantee)
- iii. We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before(date of expiry of claim period of Guarantee) in any branch of Bank in NCR.

Dated this day of 20 at.....

WITNESS

.....

(Signature)

.....

(Name)

.....

.....

(Signature)

.....

(Name)

.....

(Official Address)

(Designation with Bank Stamp)

Attorney as per Power

of Attorney No.....

Date.....

NOTES:

1. The stamp papers of appropriate value shall be purchased in the name of issuing Bank as first party.
2. CTUIL shall be the only other (second) party.

Annexure-I

The BGs issued should comply with the following criteria:-

For BGs:

1. Bank Guarantee text should be strictly as per CERC approved Format
2. Stamp Paper to be purchased by Bank with Bank as first Party and Central Transmission Utility of India as second party.
3. Bank Guarantee to be submitted should have signatures of Two Witness with their Names and addresses
4. BG shall have Bank official's Signature with Designation , Official Stamp and Address
5. Attorney (as per Power of Attorney) number with date.
6. Bank Issuing BG to submit the following documents in support of meeting following criteria's
 - i. A Public Sector Bank, or
 - ii. Scheduled Indian Bank having paid up capital (net of accumulated losses) of Rs.300 crore or above (duly supported by latest annual report) and also satisfying the minimum capital adequacy requirement, or
 - iii. Any foreign Bank with overall International corporate rating or rating of long term debt not less than A- (A minus) or equivalent by reputed rating agency.
7. Claim for BG is to be lodged in the bank branch situated in NCR only. Further, BG shall be payable at any of the bank branch situated in NCR.
8. SFMS alongwith Bank Guarantee is to be provided.
9. Claim date should be one year later than the expiry date of the BG.
10. Bank should provide name, mobile number, email address of its officer with complete postal address with pin code where BG is to be verified, claim is to be

lodged and for any further future correspondences for rectification / renewal / discharge / encashment of BG.

11. In view of BG verification using SFMS facility following methodology is to be adopted.

- i. At the time of issuance of BG (including its extensions) , in order to avail BG verification through SFMS facility , the issuing Bank will input the IFSC code of the Beneficiary Bank i.e. CTUIL's bank namely SBI(SBIN0017313) in Advising field in their Trade Finance Portal for BG issue .
- ii. In Cases where SFMS feature is not activated/availed, BGs will continue to be issued by Banks through their Trade Finance portal/ system and verification of the same will be done through paper based BG confirmation system including two stage e-mail process. The CTUIL account details are as below:
 1. Account holder's name: Central Transmission Utility of India Limited
 2. Current A/c No.: 39954184733
 3. Name of the Bank: State Bank of India
 4. Branch Address: Corporate Accounts Group II Branch, 4th & 5th Floor, Parsvanath Capital Towers, Bhai Veer Singh Marg, Gole Market, New Delhi – 110001
 5. IFSC: SBIN0017313
 6. Branch Code: 17313

FORMAT-CONN-STATUS-CG
STATUS AS PER MONITORING PARAMETERS FOR CONNECTIVITY UNDER
REGULATION 11.1

Monitoring Parameters after grant of Connectivity		
Sl. No.	Monitoring Item	Status
1.	Installation of Wind Masts, as applicable	Status Report signed by board authorized representative with letter of authorization
2.	Location with GPS coordinates of generator pooling station	
3.	Walkover Survey for Dedicated Transmission Line	
4.	Resource Assessment Studies	
5.	Acquisition of Land for generator pooling station	Land Required(acres):Land Acquired(acres):
6.	Acquisition of Land for renewable generating station	Land Required(acres):Land Acquired(acres):
7.	Details of Financial Closure	Date of application Status of Financial closure Date of Financial Closure Date of release of funds
8.	Final Route Survey of Dedicated Transmission Line	Route Survey Report to be submitted.
9.	Tendering and Details of Generator pooling station of Connectivity Grantee	(i) Planned capacity (ii) Voltages, MVA Capacity, No. & Rating of Transformers (iii) EHV Switchyard configuration, bay(s) and status

Monitoring Parameters after grant of Connectivity		
Sl. No.	Monitoring Item	Status
		Low Voltage switchgear configuration, no. of sections, no. of bay(s) in each section and status
10.	Award and Details of Dedicated Transmission Line	(i) Date of Award of Tower (ii) Date of Award of Conductor (iii) No. of Foundations (Total/Completed) (iv) No. of Tower Erections (Total/Completed) (v) Stringing (ckm) (Total/Completed)
11.	Tendering and Details of Renewable Generating station of Connectivity Grantee	(i) Planned capacity (ii) Details of contract/contract packages (iii) Date of Award of EPC contract (iv) Progress of generating station Expected date of Commissioning

FORMAT-CONN-SHARE-LEAD

MODEL AGREEMENT BETWEEN THE LEAD GENERATOR AND OTHER GENERATORS LOCATED IN A GEOGRAPHICALLY CONTIGUOUS AREA FOR SEEKING INTER-CONNECTION WITH THE ISTS AT A SINGLE CONNECTION POINT

This Agreement (hereinafter referred to as the "Agreement") has been made effective at (Place) and is effective from this..... day of.....20.....

BETWEEN:

M/s (Name of the company), a company registered under the Companies Act, (...year....) having its registered office at (Address of the Company), (hereinafter referred as "Lead Generator") (which expression wherever the context appears shall unless repugnant to the context meaning thereof) to, mean and include its successors in business and permitted assigns of the FIRST PART;

AND

M/s..... (Name of the Company), a company registered under the Companies Act, (..... year.....) having its registered office at.....(Address of the Company), (which expression shall, unless repugnant to the context meaning thereof be deemed to, mean and include its successors in business and permitted assigns) of the SECOND PART;

AND

AND

AND

M/s (Name of the Company), a company registered

under the Indian Companies Act, (....year....) having its registered office atAddress of the Company)(which expression shall, unless repugnant to the context meaning thereof be deemed to, mean and include its successors in business and permitted assigns) of the nth PART;

The parties referred to above shall individually be referred to as a "Party" and collectively as "Parties".

WHEREAS

(a) The Parties hereinafter agree to develop more than one (Type of the Generating Station) for the total capacity of(Capacity in MW)..... in the State of(Name of the State) (hereinafter referred to as 'Group of Projects')and jointly seek Connectivity, to inject electrical energy at(Voltage level in kV)..... level from the installed capacity of ... (Installed Capacity in MW)..... of(Type of the Generating Plant), into the 765/400/230 kV sub-station of the(Name of the Transmission Licensee). The details of generating stations are as under:

Name	Type of generator	Installed Capacity

(b) As per the provisions of the Central Electricity Regulatory Commission GNA Regulations, 2022, the Parties collectively fall under the definition of an 'Applicant' and the "lead generator" on their behalf shall apply for Connectivity to the CTU.

(c) The Parties agree that in relation to the 'Group of Projects' and for the purpose of availing GNA with the inter-State Transmission Systems (ISTS) network for the requisite quantum, in line with the applicable Regulations, the 'Lead Generator' shall act on behalf of the Parties to undertake all operational and commercial responsibilities for all the Parties connected at that point following the provisions of the Indian Electricity Grid Code and all other regulations of the Commission, related to Grid security, Scheduling and Dispatch, Collection and

payment or adjustment of Transmission charges, deviation charges, congestion and other charges etc.

- (d) The Parties also agree to develop a common sub-transmission, transmission and evacuation network in relation to the 'Group of Projects' to be ultimately connected to the CTU grid sub-station in the ISTS network.
- (e) The Parties also agree that they shall share all the expenditure that may be incurred in developing the common network, infrastructure, any fee/charges that may be involved in taking the connectivity and/or fulfilling any statutory or any other requirement whatsoever may be experienced towards development of the 'Group of Projects'.(generators to decide the modalities of sharing the expenditure).
- (f) The Parties also agree that once the 'Group of Projects' is in part/full ready and operational, they shall co-operate and take all necessary steps in operating the 'Group of Projects' and shall also share all the expenditure that may be incurred towards operation of the 'Group of Projects' (generators to decide the modalities of sharing the expenditure).

NOW, THEREFORE in consideration of the premises and covenants hereinafter setforth, the Parties hereby agree as follows:

(All terms and conditions of this agreement shall be decided mutually between the Lead Generator and other generators in accordance with the Electricity Act, 2003 and Regulations of the Commission as amended from time to time)

DEFINITION AND INTERPRETATION

- A. Applicable law: means any Indian statute, law, regulation, ordinance, rule, judgment, order, clearance, approval, directive, guideline, policy, requirement, including Government Approvals, or determination by, or any interpretation or administration of any of the foregoing by any statutory or regulatory authority in India and in each case as amended from time to time.
 - B. "Agreement" means this agreement and any Appendices or amendments thereto which are agreed in writing between the Parties and made a part hereof.
-

- C. "Appendix" means any attachment or annexure to the Agreement which is agreed in writing by all Parties and made a part hereof.
- D. "Confidential Information" shall have the meaning ascribed to it in Clause 7 of the Agreement.
- E. "Group of Projects" means the Group of Projects as defined in the first Recital hereto.
- F. "Insolvent" means, in relation to an entity.
 - (a) being insolvent or under administration;
 - (b) having a controller appointed by a tribunal or a court of competent jurisdiction, acting within its jurisdiction;
 - (c) being in receivership and management, liquidation, in provisional liquidation, under administration, wound up, subject (except to any internal reconstruction or amalgamation) to any arrangement, assignment or composition; or
 - (d) being declared by a tribunal or any other competent court, acting within its jurisdiction, to have become otherwise unable to pay its debts when they fall due.
- G. "Party" means a party to the Agreement
- H. "Term" shall have the meaning contained in clause 1.2 of the Agreement.

Interpretation

- a. The term "Clause" read in the Agreement shall refer to clause of the Agreement, except where expressly stated otherwise.
 - b. Words importing the singular shall include the plural and vice versa.
 - c. References to any statute or statutory provision or order or regulation made there under shall include that statute, provision, order or regulation as amended, modified, re-enacted or replaced from time to time whether before or after the date hereof.
-

- d. References to persons shall include bodies corporate, unincorporated associations, partnerships and any organization or entity having legal capacity;
- e. Headings to clauses are for information only and shall not form part of the operative provisions of this Agreement and shall not be taken into consideration in its interpretation or construction;
- f. References to recitals, clauses, or annexes are, unless the context otherwise require, to recitals to, or clauses of or annexes to this Agreement;
- g. References to the words "include" or "including" shall be construed as being suffixed by the words "without limitation";
- h. Any reference to time shall be taken to be a reference to Indian Standard Time;
- i. Terms defined in the Appendix hereto shall have the meanings ascribed thereto in the Appendix when used elsewhere in this Agreement;
- j. Appendix to this Agreement form an integral part of this Agreement and will be of full force and effect as if these were expressly set out in the body of this Agreement;
- k. Any reference to any agreement, deed, instrument, license, code or other document of any description shall be construed at the particular time, as a reference to that agreement, deed, instrument, license, code or other document as the same may then have been amended, varied, supplemented, modified, suspended or novated;
- l. The terms used but not defined herein shall have the same meaning as assigned to
- m. them under the Agreement;
- n. The terms "hereof", "herein", "hereby", "hereto" and derivative or similar words refer to this entire agreement or specified clauses of this Agreement, as the case may be;
- o. Provisions including the word 'agree', "agrees" or "agreement" require the

agreement to be recorded in writing;

- p. No rule of construction applies to the disadvantage of one Party on the basis that the Party put forward or drafted this Agreement or any provision in it;
- q. Time is of the essence in the performance of the Agreement of the Parties' respective obligations. If the time period specified under this Agreement is extended, such extended time shall also form part of the Agreement;

1. Appointment and terms of Appointment

1.1. The Parties hereto have mutually agreed that M/s(Name of the Generator) shall be the "lead generator" which shall act on behalf of them and it shall undertake all operational and commercial responsibilities for all the Parties seeking connection at a single connection point at the pooling sub-station under the ... (Name of the transmission Licensee)

1.2. Duration:

This Agreement shall be valid for a period ofyears from the date of execution of this Agreement. The Parties hereto may extend the Term of the Agreement upon mutually agreed terms and conditions.

2. Scope

2.1. The Parties hereby jointly agree to appoint M/s (Name of Generator) the lead generator on their behalf and pursuant thereto authorize M/s. in its capacity as a lead generator to act and further undertake on their behalf all operational and commercial responsibilities in respect of seeking connection at a single connection point at the(Name of sub-station) ... sub-station of the(Name of Transmission Licensee), in the state of(Name of the State) (hereinafter referred to as the Grid) for injection of power generated from an installed capacity of (Capacity in MW) at any point of time into the Grid.

2.2. The Parties undertake to abide by the applicable law during the term of this agreement. Subject to the applicable law, in the event any Party desires to exit this Agreement, the other Parties shall continue to abide by the terms and

conditions of grant of Connectivity for the balance period of this agreement. In the event the lead generator desires to exit this Agreement, then the other Parties shall with permission of the CTU, nominate amongst themselves any Party to be the 'lead generator' to act on their behalf for all operational and commercial responsibilities and other responsibilities as detailed under this agreement.

- 2.3. In the event if more than one Party exits the present Agreement resulting thereto if the installed capacity falling below 50 MW, then, subject to the approval of the CTU and the applicable law, the remaining Parties/Party may invite one or more Parties to form part of this agreement in order to raise the aggregate capacity over 50 MW. Such new parties/Party shall be bound by the terms and conditions of grant of connectivity for the remainder of such term of the Agreement or such period, as may be directed by CTU.
- 2.4. The parties agree that the party (one or more) which exits the Agreement shall pay appropriate compensation for common infrastructure built in proportionate to its share.
- 2.5. It is hereby mutually agreed that the parties under this agreement shall be bound by the details further elaborated in respect of the Scope of Work as set out in Appendix 1.

3. Responsibilities of the Parties:

- 3.1. The Parties shall abide by the Applicable Indian laws, regulations, statutory provisions or norms laid down by the Government, Local or Municipal Authorities, the Indian Electricity Grid Code and all other Regulations of the Commission, such as Grid security, scheduling and dispatch, collection and payment adjustment of transmission charges. Deviation charges, congestion and other charges related to the connectivity for use of inter-State transmission system and/or associated facilities, through the "lead generator", who shall be the single point contact and the responsible entity as per Central Electricity Regulatory Commission GNA Regulations, 2022.
 - 3.2. The Parties hereto shall carry out any/all such activities which are ancillary and or supplementary in order to give effect to the Scope of Work as stated in Clause
-

2.

4. Joint management and Role of Lead Generator:

- 4.1. A Management Committee, which comprises of the representatives of all Parties herein shall be created, in order to review and decide upon all matters of importance relating to the development of the „Group of Projects’, Grant of connectivity.
- 4.2. The constitution, terms of reference, powers and Procedures of the Management Committee shall be as set out in Appendix 2 (Joint Management).
- 4.3. Decisions of the Management Committee shall be unanimous, except wherever this Agreement expressly provides otherwise.
- 4.4. (Name of Lead Generator) shall act as the Lead Generator, subject to the authority of the Management Committee. The Meetings of the Management Committee shall be chaired by a representative of the "Lead Generator".
- 4.5. All Parties shall give the Lead Generator their utmost support in carrying out its functions as Lead Generator and, in particular, all documents and information reasonably required by the Lead Generator for the submission of the Grant of connectivity shall be made available to the Lead Generator in the form and at the time required for the purposes of the Grant of connectivity and the Group of Projects or as may be otherwise reasonably requested by the Lead Generator.

5. Termination:

- 5.1. Following shall constitute as an event of default of a Party (Events of Default) leading to termination of the agreement
 - (a) Either Party becomes bankrupt or insolvent or goes into liquidation has a receiver or administrator appointed against the defaulting party compounds with his creditors or carries on business under a Receiver Trustee or Manager for the benefit of his creditors or if any act is done or event occurs which (under applicable laws) has a similar effect to any of these acts or events:

- (b) Either Party fails to fulfill its obligations under this Agreement, and does not rectify the same within ninety (90) days of the receipt of a written notice from the other Party/ies.
- (c) Any representations and warranties provided under this Agreement by either of the Parties are found to be false, misleading and incorrect.

5.2. Effect of Termination:

- 5.2.1. Upon occurrence of an Event of Default, the non-defaulting Party/ies shall terminate the Agreement after serving advance notice of 90 days ("Default Notice") which shall specify in reasonable detail the occurrence of an event of Default.
- 5.2.2. After the issue of Default Notice, the defaulting Party/ies shall have the opportunity to cure the default mentioned in the Default Notice before the expiry of the period of the Default Notice (to the extent the default in question is capable of being cured). Upon cure of the default to the satisfaction of the non-defaulting Party/ies, the Default Notice shall be deemed to have been revoked by the non-defaulting Party/ies. During the pendency of the Default Notice, the Parties shall however continue to perform their obligations under this Agreement.
- 5.2.3. If the defaulting Party/ies fails to cure the default, pursuant to Clause 5.2.2 above, the Agreement shall stand terminated at the end of the period of 90 days (other than in case of payment default by the Company, in which case ninety (90) day period shall be read as thirty (30) days) commencing from the date of the Default Notice. Upon termination of this Agreement, each Party shall pay to the other such payments as are due and payable to such other Party/ies pursuant to the provisions of this Agreement.

5.3. Consequence of Termination:

On termination of this Agreement in accordance with the terms and conditions herein provided, the rights and duties of the Parties / Party seeking termination shall cease to exist.

The Parties' under this Agreement shall be in addition to and not in derogation of any rights, powers, privileges or remedies provided by law. Each Party shall be entitled to exercise concurrently any of the remedies available whether under this Agreement or provided by Applicable Law.

6. Insurance:

- 6.1. Each Party shall effect and maintain at its own risk and expense those insurances required by the Group of Projects in respect of its Scope of Work unless the Group of Projects requires them and/or the Parties agree to effect common insurance(s). In such case the Lead Generator shall effect and maintain such common insurance(s) in the joint interest of the Parties. The cost of effecting and maintaining such common insurance(s) shall be shared by the Parties in proportion to their Capacity.
- 6.2. Each Party shall notify administer and bear any and all costs of claims against its own or any common insurers in connection with its Scope of Work, including but not limited to any excess or deductible or uninsured amounts under the relevant policies.

7. Confidentiality:

- 7.1. Subject to Clause 8.2 of the Agreement, each of the Parties shall keep the contents of the Agreement and all books, documents (whether electronic or in hard copy) and information made available to that Party/ies for the purposes of entering into this Agreement ("Confidential Information") or in the course of the performance of the Agreement confidential, and shall not disclose the same to any other person without the prior written consent of the other Party/ies.
- 7.2. Clause 8.1 shall not apply in the following circumstances
 - (a) any disclosure is required by applicable laws or in respect of information already in the public domain;
 - (b) any disclosure required by any applicable stock exchange listing rule; and
 - (c) disclosure to a lender of the Group of Projects, to the extent required for

the purposes of raising funds or maintaining compliance with credit arrangement.

In the event of a disclosure is required by applicable law, upon reasonable request by the non-disclosing Party/ies, the disclosing Party/ies shall use all reasonable efforts and co-operate with other Party's/ies' efforts to obtain confidential treatment of material so disclosed

- 7.3. The Parties shall exercise high degree of care and caution to preserve and protect the other Party's/ies' Confidential Information from disclosure in the manner that they protect their own Confidential Information.
- 7.4. Confidential Information disclosed shall be and remain the property of the disclosing Party/ies. The obligations of the Parties to protect Confidential Information shall survive the termination of this Agreement.

8. Publicity:

- 8.1. The Parties shall be permitted to disclose all relevant aspects of this Agreement to their respective Nominees, investment bankers, lenders, accountants, legal counsel, bona fide prospective investors. Lenders, in each case only where such persons or entities are under appropriate non-disclosure Obligations imposed by professional ethics, law or otherwise, and to stock exchanges and other statutory & legal authorities. The disclosing Party shall take utmost care that by disclosing the information the other Party's/ies business interest are not adversely affected

8.2. It is agreed between the Parties that

- (a) in the event either of the Parties is required to make any disclosure regarding this Agreement or any aspects related thereto pursuant to the provisions or requirements of law, then the Party/ies required to make such disclosure shall provide a reasonable notice to the other Parties. The Parties shall thereafter and prior to disclosing any such information, mutually agree on the content of the information being disclosed.
- (b) in the event either of the Parties is required to make any disclosure regarding this Agreement or any aspects related thereto by way of release

of any statement or information to the media, whether electronic or print form, the disclosing Party/ies shall seek the prior written approval of the other Parties for such disclosure including on the content of such disclosure.

8.3. However, the Parties agree that such consents required to be obtained pursuant to this Clause 8 shall not be unreasonably delayed or withheld so as to cause breach of the time period for such disclosure.

9. Notices:

Any notice or other communication to be given by one Party to the others under, or in connection with the matters contemplated by, this Agreement shall be in writing and shall be given by letter delivered by hand or registered post to the address given and marked for the attention of the person as set out in the body of the Agreement and may be marked to the Parties as may be from time to time designated by notice to the other.

10. Indemnity:

Each of the Parties hereto shall indemnify and hold the others, its employees, officers, advisers and affiliates and any person controlling any of them and each of its or their officers, directors, employees and agents harmless from and against all third party actions, claims, damages, proceeding, investigations, liabilities or judgments and all losses, damage, costs, charges and expenses or whatever nature and in whatever jurisdiction, and which arise from the Agreement, other than for any claims or losses to the extent that are finally determined by a court of competent jurisdiction to have resulted primarily from gross negligence or willful default of the other Party/ies.

11. Dispute resolution:

The Parties hereto shall make all attempts to resolve all disputes and differences through mutual discussions/ negotiations whether relating to the interpretation, meaning, validity, existence or breach of this Agreement or any clause herein within a period of 1 month keeping in view the spirit of this Agreement.

In the event the dispute or differences between the parties are not settled mutually or fail to negotiate their differences, then the aggrieved Party shall by giving a notice to the other Parties to refer the dispute or difference to a Sole arbitrator to be appointed mutually by the Parties. The arbitration shall be conducted according to the provisions of the Arbitration and Conciliation Act, 1996 as amended from time to time and the place of arbitration shall be ...(Name of the Place)

12. Jurisdiction and Governing Laws:

Subject to Clause 11, the Parties hereto irrevocably submit to the sole and exclusive jurisdiction of the.....(Name of the Courts) This Agreement is governed by the laws subsisting in India and any amendments thereto.

13. Assignment:

Neither of the Parties shall assign, outsource nor sub-contract this Agreement in whole or any part or on thereof to any of their affiliates, group companies or any third party without the written consent of the other Parties.

14. Miscellaneous:

14.1 The Agreement including any schedules and annexure attached hereto shall, constitute the entire understanding of the Parties relating to the subject matter hereof and shall supersede all past correspondence/letters exchanged/agreements executed between the Parties hereto.

14.2 Except as otherwise provided herein, this Agreement may not be varied/amended except by agreement in writing to be signed by all Parties.

14.3 The Parties agree that in performing their respective responsibilities pursuant to this Agreement, they are independent contractors and their personnel are not agents or employees of the other for any purpose whatsoever, and are not entitled to each other's employees' benefits. Each party is solely responsible for compensation of its personnel and for payment of workmen's compensation, disability and other similar benefits, unemployment and other similar insurance and for the withholding of other taxes and social security. Nothing herein may be

construed to create an agency, joint venture; partnership or other relationship between the parties other than independent contractors.

14.4 If any provision of this Agreement is declared inoperative, void or illegal by a court of competent jurisdiction, the remaining provisions of the Agreement shall not be affected and shall continue to operate in full force unless this Agreement is thereby rendered impossible from perform.

14.5 If either of the Parties at any time fails to require strict compliance with any term or condition hereunder, such failure will not constitute a waiver of such term or condition or of any subsequent breach of that term or condition or a waiver of any other term or condition. For the avoidance of doubt, each Party's/ies' rights under this agreement may be used asset each considers appropriate, and apply in addition to any law. Each party loses its rights only if it specifically waives them in writing.

14.6 All the terms and conditions which by its very nature, survive termination/expiry of the Agreement, shall survive such termination/expiry.

14.7 This Agreement may be executed in two (2) parts each which shall be deemed original and all of which shall be deemed one and the same Agreement.

IN WITNESS WHEREOF THE Parties have caused this Agreement to be executed on(Day).... of(Month) , 20.... by their duly authorised representatives as a legally binding contract in 2 (two) original copies on the day and year first written above, each Party receiving one original copy.

For and on behalf of Lead Generator

Signature :

Signature:.....

Name:.....

Name:.....

Designation

Designation.....

For and on behalf of Company A

Signature:

Signature:.....

Name:

Name:

Designation:

Designation:

For and on behalf of Company Z

Signature:

Signature:

Name:

Name:

Designation:

Designation:

Appendix-1

Scope of Works:

- A. Each Party would monetarily support/share the Lead Generator in developing a common infrastructure of the group of generators and dedicated transmission network from Park to CTU sub-station.
- B. Each Party would monetarily support/share the Lead Generator in developing a common infrastructure which may be required at the CTUs sub-station like bay equipment etc.
- C. Each Party would monetarily support/share the Lead Generator in bearing the expenditure which may be incurred in day to day O&M of the common infrastructure for group of generators, dedicated transmission network and network/equipment in CTU sub-station.
- D. Each Party would monetarily support/share through the Lead Generator any charges which may be incurred as transmission charges/losses in money terms or kind as the matter may be from time to time.
- E. Each Party authorize the Lead Generator to approach the CTU for availing connectivity for the group of generators as a whole and shall share any expenses which may be incurred in such process.
- F. Each Party authorize the Lead Generator to represent them at any governmental/statuary and/or any other authority in respect of any matter whatsoever may be required in relation to development of above group of generators.

JOINT MANAGEMENT

1. Management Committee

- 1.1. The Management Committee shall review and decide upon all important matters relating to the Grant of connectivity and the Group of Projects (other than matters falling solely within the Scope of Work of one Party and not affecting the interests of any other Party), in particular:
 - 1.1.1. establish the Grant of connectivity format, coordinate the preparation of the technical and commercial content of the Grant of connectivity by the Parties and collate the Grant of connectivity for submission to the CTU and negotiation in relations to the Group of Projects and any proposed Variation, supplement or amendment thereto;
 - 1.1.2. any proposed revision of the Grant of connectivity for Group of Projects price(s);
 - 1.1.3. any proposed modification, reduction or extension of the Group of Projects schedule and, at the request of a Party, any work schedule previously agreed between the Parties;
 - 1.1.4. any proposed reallocation of supplies, services or responsibilities among the Parties;
 - 1.1.5. any proposed revision of the Proportionate Shares of the Parties;
 - 1.1.6. any proposed addition of another party to or expulsion of an existing Party from this Agreement;
 - 1.1.7. any other important matter raised by any of the Parties.
- 1.2. Each Party shall appoint a representative who shall be an officer or director of that Party and an alternate by notice in writing within (1) (one) week of the date of this Agreement. Each Party may revoke the appointment of and replace its representative and alternate by notice in writing to the Management Committee.
- 1.3. Meetings of the Management Committee shall be convened by the Lead Generator at least (4) (four) times a year and, should circumstances so require, at any other time at the request of a Party, stating the circumstances, by giving

(2) (two) weeks' notice in writing or such lesser period of notice as the circumstances may reasonably demand.

- 1.4. Each representative, or alternate in the absence of the representative, shall be deemed to have the authority to represent the Party appointing him or her in respect of all matters concerning the Management Committee.
 - 1.5. Meetings of the Management Committee shall normally be held at the Lead Generator's offices or otherwise as mutually agreed. In cases of particular urgency, decisions may also be reached by telephone, correspondence, telex, email or facsimile. All decisions arrived at by telephone or facsimile shall be promptly confirmed in writing to every representative on the Management Committee by the Lead Generator's representative.
 - 1.6. All decisions of the Management Committee must be unanimous save as except where it has been expressly stated in this Agreement.
 - 1.7. Should a meeting of the Management Committee fail to achieve unanimity on a proposal, a decision on that proposal shall be adjourn. In the event that the Parties are unable to arrive at an unanimous decision or on a modified proposal within 5 (five) working days of the original meeting and if a continued failure to resolve the issue would put the due performance of the Group of Projects materially at risk or in case of emergency, the Chairperson of the Management Committee shall be and hereby is empowered to take a decision to safeguard the common interest of the Parties and shall report such decision immediately to the other Parties. Such decision shall be duly implemented by the Parties without delay and without prejudice to the provisions of Clause 11 (Dispute - Resolution). If any Party fails to cause its representative or alternate to attend at a duly convened meeting of the Management Committee the meeting shall be adjourned for 2 (two) working days and the Parties shall immediately be notified by telex or facsimile of such adjournment. If the non-attending Party fails to cause its representative or alternate to attend the resumed meeting other than as a result of causes beyond the control of that Party, then unanimous decisions taken by those present at such meetings shall constitute a valid decision of the Management Committee.
 - 1.8. The representative (or alternate in the absence of the representative) appointed
-

by the Lead Generator shall chair all meetings of the Management Committee.

- 1.9. The representative of the Lead Generator shall distribute minutes of each meeting of the Management Committee to each Party without delay. The minutes shall be deemed to have been accepted by the other Parties unless comments are made in writing within ten (10) working days of their distribution.
- 1.10. If any Party is in default under Clause 5 (Termination) then notwithstanding any other provision in this Agreement or its Appendices, such defaulting Party shall not be entitled to take part in any approval, action, step or proceedings with respect to the Agreement and the representative or alternate of such defaulting Party shall have no right to participate in the voting at any meetings of the Management Committee and any decisions or actions to be taken by the Management Committee in its absence shall be deemed a decision or action of the Parties.
- 1.11. The costs incurred by each Party in respect of its representative or alternate in the functioning of the Management Committee shall be borne by such Party and shall not be a cost chargeable to the other Parties.

FORMAT-CONN-SHARE

**MODEL AGREEMENT BETWEEN THE GENERATORS LOCATED IN A
GEOGRAPHICALLY CONTIGUOUS AREA FOR SEEKING INTER-CONNECTION
WITH THE ISTS AT A SINGLE CONNECTION POINT**

This Agreement (hereinafter referred to as the "Agreement") has been made effective at (Place) and is effective from this.....day of20.....

BETWEEN:

M/s (Name of the company), a company registered under the Companies Act, (...year....) having its registered office at (Address of the Company), (hereinafter referred as "Lead Generator/First Party") (which expression wherever the context appears shall unless repugnant to the context meaning thereof) to, mean and include its successors in business and permitted assigns of the FIRST PART;

AND

M/s..... (Name of the Company), a company registered under the Companies Act, (..... year.....) having its registered office at..... (Address of the Company) (hereinafter referred as 'Second Party'), (which expression shall, unless repugnant to the context meaning thereof be deemed to, mean and include its successors in business and permitted assigns) of the SECOND PART;

AND

AND

AND

M/s (Name of the Company), a company registered under the Indian Companies Act, (.....) having its registered office at..... (Address of the Company) (hereinafter referred as 'Nth Party'), (which expression shall,

unless repugnant to the context meaning thereof be deemed to, mean and include its successors in business and permitted assigns) of the nth PART;

The parties referred to above shall individually be referred to as a "Party" and collectively as "Parties".

WHEREAS

(a) The Parties hereinafter agree to develop and share the terminal bay or the switchyard and the dedicated transmission lines, if any, and jointly seek Connectivity, to inject electrical energy at(Voltage level in kV)..... level from the installed capacity of ... (Installed Capacity in MW)..... of(Type of the Generating Plant), into the 765/400/230 kV sub-station of the (Name of the Transmission Licensee). The details of generating stations of the parties are as under:

Name	Type of generator	Installed Capacity
First Party		
Second party		
...		
Nth Party		

(b) The parties eligible for Application to Connectivity shall develop and share the dedicated line and Terminal Bay(s) as per the provisions Regulation 5.6 and 5.7 of the Central Electricity Regulatory Commission GNA Regulations, 2022,

(c) The Parties agree that for the purpose of availing Connectivity with the inter-State Transmission Systems (ISTS) network for the requisite quantum, in line with the applicable Regulations, the 'Lead Generator' shall act on behalf of the Parties to undertake all operational and commercial responsibilities for all the Parties connected at that point following the provisions of the Indian Electricity Grid Code

and all other regulations of the Commission, related to Grid security, Scheduling and Dispatch, Collection and payment or adjustment of Transmission charges, deviation charges, congestion and other charges etc.

- (d) The Parties also agree to develop a common sub-transmission, transmission and evacuation network in relation to their Projects to be ultimately connected to the CTU grid sub-station in the ISTS network.
- (e) The Parties also agree that they shall share all the expenditure that may be incurred in developing the common network, infrastructure, any fee/charges that may be involved in taking the connectivity and/or fulfilling any statutory or any other requirement whatsoever may be experienced towards development of the 'Group of Projects'.(generators to decide the modalities of sharing the expenditure).
- (f) The Parties also agree that once their 'Projects' is in part/full ready and operational, they shall co-operate and take all necessary steps in operating their and shall also share all the expenditure that may be incurred towards operation of their (generators to decide the modalities of sharing the expenditure).

NOW, THEREFORE in consideration of the premises and covenants hereinafter setforth, the Parties hereby agree as follows:

(All terms and conditions of this agreement shall be decided mutually between the Lead Generator and other generators in accordance with the Electricity Act, 2003 and Regulations of the Commission as amended from time to time)

DEFINITION AND INTERPRETATION

- A. Applicable law: means any Indian statute, law, regulation, ordinance, rule, judgment, order, clearance, approval, directive, guideline, policy, requirement, including Government Approvals, or determination by, or any interpretation or administration of any of the foregoing by any statutory or regulatory authority in India and in each case as amended from time to time.
 - B. "Agreement" means this agreement and any Appendices or amendments thereto which are agreed in writing between the Parties and made a part hereof.
-

- C. "Appendix" means any attachment or annexure to the Agreement which is agreed in writing by all Parties and made a part hereof.
- D. "Confidential Information" shall have the meaning ascribed to it in Clause 7 of the Agreement.
- E. "Group of Projects" means the Group of Projects as defined in the first Recital hereto.
- F. "Insolvent" means, in relation to an entity.
 - (a) being insolvent or under administration:
 - (b) having a controller appointed by a tribunal or a court of competent jurisdiction, acting within its jurisdiction;
 - (c) being in receivership and management, liquidation, in provisional liquidation, under administration, wound up, subject (except to any internal reconstruction or amalgamation) to any arrangement, assignment or composition; or
 - (d) being declared by a tribunal or any other competent court, acting within its jurisdiction, to have become otherwise unable to pay its debts when they fall due.
- G. "Party" means a party to the Agreement
- H. "Term" shall have the meaning contained in clause 1.2 of the Agreement.

Interpretation

- a. The term "Clause" read in the Agreement shall refer to clause of the Agreement, except where expressly stated otherwise.
 - b. Words importing the singular shall include the plural and vice versa.
 - c. References to any statute or statutory provision or order or regulation made there under shall include that statute, provision, order or regulation as amended, modified, re-enacted or replaced from time to time whether before or after the
-

date hereof.

- d. References to persons shall include bodies corporate, unincorporated associations, partnerships and any organization or entity having legal capacity;
- e. Headings to clauses are for information only and shall not form part of the operative provisions of this Agreement and shall not be taken into consideration in its interpretation or construction;
- f. References to recitals, clauses, or annexes are, unless the context otherwise require, to recitals to, or clauses of or annexes to this Agreement;
- g. References to the words "include" or including" shall be construed as being suffixed by the words "without limitation";
- h. Any reference to time shall be taken to be a reference to Indian Standard Time;
- i. Terms defined in the Appendix hereto shall have the meanings ascribed thereto in the Appendix when used elsewhere in this Agreement;
- j. Appendix to this Agreement form an integral part of this Agreement and will be of full force and effect as if these were expressly set out in the body of this Agreement;
- k. Any reference to any agreement, deed, instrument, license, code or other document of any description shall be construed at the particular time, as a reference to that agreement, deed, instrument, license, code or other document as the same may then have been amended, varied, supplemented, modified, suspended or novated;
- l. The terms used but not defined herein shall have the same meaning as assigned to them under the Agreement;
- m. The terms "hereof, "herein", "hereby", "hereto" and derivative or similar words refer to this entire agreement or specified clauses of this Agreement, as the case may be;
- n. Provisions including the word agree', "agrees" or "agreement" require the

agreement to be recorded in writing;

- o. No rule of construction applies to the disadvantage of one Party on the basis that the Party put forward or drafted this Agreement or any provision in it;
- p. Time is of the essence in the performance of the Agreement of the Parties' respective obligations. If the time period specified under this Agreement is extended, such extended time shall also form part of the Agreement;

1. Appointment and terms of Appointment

1.1. The Parties hereto have mutually agreed that M/s(Name of the Generator) shall be the "lead generator" which shall act on behalf of them and it shall undertake all operational and commercial responsibilities for all the Parties seeking connection at a single connection point at the pooling sub-station under the ... (Name of the transmission Licensee)

1.2. Duration:

This Agreement shall be valid for a period ofyears from the date of execution of this Agreement. The Parties hereto may extend the Term of the Agreement upon mutually agreed terms and conditions.

2. Scope

2.1. The Parties hereby jointly agree to appoint M/s (Name of Generator).....the lead generator on their behalf and pursuant thereto authorize M/s. in its capacity as a lead generator to act and further undertake on their behalf all operational and commercial responsibilities in respect of seeking connection at a single connection point at the(Name of sub- station) sub-station of the(Name of Transmission Licensee), in the state of(Name of the State) (hereinafter referred to as the Grid) for injection of power generated from an installed capacity of (Capacity in MW) at any point of time into the Grid.

2.2. The Parties undertake to abide by the applicable law during the term of this agreement. Subject to the applicable law, in the event any Party desires to exit

this Agreement, the other Parties shall continue to abide by the terms and conditions of grant of Connectivity for the balance period of this agreement. In the event the lead generator desires to exit this Agreement, then the other Parties shall with permission of the CTU, nominate amongst themselves any Party to be the 'lead generator' to act on their behalf for all operational and commercial responsibilities and other responsibilities as detailed under this agreement.

- 2.3. In the event if more than one Party exits the present Agreement resulting thereto if the installed capacity falling below 50 MW, then, subject to the approval of the CTU and the applicable law, the remaining Parties/Party may invite one or more Parties to form part of this agreement in order to raise the aggregate capacity over 50 MW. Such new parties/Party shall be bound by the terms and conditions of grant of connectivity for the remainder of such term of the Agreement or such period, as may be directed by CTU.
- 2.4. The parties agree that the party (one or more) which exits the Agreement shall pay appropriate compensation for common infrastructure built in proportionate to its share.
- 2.5. It is hereby mutually agreed that the parties under this agreement shall be bound by the details further elaborated in respect of the Scope of Work as set out in Appendix 1.

3. Responsibilities of the Parties:

- 3.1. The Parties shall abide by the Applicable Indian laws, regulations, statutory provisions or norms laid down by the Government, Local or Municipal Authorities, the Indian Electricity Grid Code and all other Regulations of the Commission, such as Grid security, scheduling and dispatch, collection and payment adjustment of transmission charges. Deviation charges, congestion and other charges related to the connectivity for use of inter-State transmission system and/or associated facilities, through the "lead generator", who shall be the single point contact and the responsible entity as per Central Electricity Regulatory Commission GNA Regulations, 2022.
 - 3.2. The Parties hereto shall carry out any/all such activities which are ancillary and
-

or supplementary in order to give effect to the Scope of Work as stated in Clause 2.

4. Joint management and Role of Lead Generator:

- 4.1. A Management Committee, which comprises of the representatives of all Parties herein shall be created, in order to review and decide upon all matters of importance relating to the development of their Project, Grant of connectivity.
- 4.2. The constitution, terms of reference, powers and Procedures of the Management Committee shall be as set out in Appendix 2 (Joint Management).
- 4.3. Decisions of the Management Committee shall be unanimous, except wherever this Agreement expressly provides otherwise.
- 4.4. (Name of Lead Generator) shall act as the Lead Generator, subject to the authority of the Management Committee. The Meetings of the Management Committee shall be chaired by a representative of the "Lead Generator".
- 4.5. All Parties shall give the Lead Generator their utmost support in carrying out its functions as Lead Generator and, in particular, all documents and information reasonably required by the Lead Generator for the submission of the Grant of connectivity shall be made available to the Lead Generator in the form and at the time required for the purposes of the Grant of connectivity and the Group of Projects or as may be otherwise reasonably requested by the Lead Generator.

5. Termination:

- 5.1. Following shall constitute as an event of default of a Party (Events of Default) leading to termination of the agreement
 - (a) Either Party becomes bankrupt or insolvent or goes into liquidation has a receiver or administrator appointed against the defaulting party compounds with his creditors or carries on business under a Receiver Trustee or Manager for the benefit of his creditors or if any act is done or event occurs which (under applicable laws) has a similar effect to any of these acts or events:

- (b) Either Party fails to fulfill its obligations under this Agreement, and does not rectify the same within ninety (90) days of the receipt of a written notice from the other Party/ies.
- (c) Any representations and warranties provided under this Agreement by either of the Parties are found to be false, misleading and incorrect.

5.2. Effect of Termination:

- 5.2.1.** Upon occurrence of an Event of Default, the non-defaulting Party/ies shall terminate the Agreement after serving advance notice of 90 days (“Default Notice”) which shall specify in reasonable detail the occurrence of an event of Default.
- 5.2.2.** After the issue of Default Notice, the defaulting Party/ies shall have the opportunity to cure the default mentioned in the Default Notice before the expiry of the period of the Default Notice (to the extent the default in question is capable of being cured). Upon cure of the default to the satisfaction of the non-defaulting Party/ies, the Default Notice shall be deemed to have been revoked by the non-defaulting Party/ies. During the pendency of the Default Notice, the Parties shall however continue to perform their obligations under this Agreement.
- 5.2.3.** If the defaulting Party/ies fails to cure the default, pursuant to Clause 5.2.2 above, the Agreement shall stand terminated at the end of the period of 90 days (other than in case of payment default by the Company, in which case ninety (90) day period shall be read as thirty (30) days) commencing from the date of the Default Notice. Upon termination of this Agreement, each Party shall pay to the other such payments as are due and payable to such other Party/ies pursuant to the provisions of this Agreement.

5.3. Consequence of Termination:

On termination of this Agreement in accordance with the terms and conditions herein provided, the rights and duties of the Parties / Party seeking termination shall cease to exist.

The Parties' under this Agreement shall be in addition to and not in derogation of any rights, powers, privileges or remedies provided by law. Each Party shall be entitled to exercise concurrently any of the remedies available whether under this Agreement or provided by Applicable Law.

6. Insurance:

- 6.1. Each Party shall effect and maintain at its own risk and expense those insurances required by the Group of Projects in respect of its Scope of Work unless the Group of Projects requires them and/or the Parties agree to effect common insurance(s). In such case the Lead Generator shall effect and maintain such common insurance(s) in the joint interest of the Parties. The cost of effecting and maintaining such common insurance(s) shall be shared by the Parties in proportion to their Capacity.
- 6.2. Each Party shall notify administer and bear any and all costs of claims against its own or any common insurers in connection with its Scope of Work, including but not limited to any excess or deductible or uninsured amounts under the relevant policies.

7. Confidentiality:

- 7.1. Subject to Clause 8.2 of the Agreement, each of the Parties shall keep the contents of the Agreement and all books, documents (whether electronic or in hard copy) and information made available to that Party/ies for the purposes of entering into this Agreement ("Confidential Information") or in the course of the performance of the Agreement confidential, and shall not disclose the same to any other person without the prior written consent of the other Party/ies.
- 7.2. Clause 8.1 shall not apply in the following circumstances
 - (d) any disclosure is required by applicable laws or in respect of information already in the public domain;
 - (e) any disclosure required by any applicable stock exchange listing rule: and
 - (f) disclosure to a lender of the Group of Projects, to the extent required for

the purposes of raising funds or maintaining compliance with credit arrangement.

In the event of a disclosure is required by applicable law, upon reasonable request by the non-disclosing Party/ies, the disclosing Party/ies shall use all reasonable efforts and co-operate with other Party's/ies' efforts to obtain confidential treatment of material so disclosed

7.3. The Parties shall exercise high degree of care and caution to preserve and protect the other Party's/ies' Confidential Information from disclosure in the manner that they protect their own Confidential Information.

7.4. Confidential Information disclosed shall be and remain the property of the disclosing Party/ies. The obligations of the Parties to protect Confidential Information shall survive the termination of this Agreement.

8. Publicity:

8.1. The Parties shall be permitted to disclose all relevant aspects of this Agreement to their respective Nominees, investment bankers, lenders, accountants, legal counsel, bona fide prospective investors. Lenders, in each case only where such persons or entities are under appropriate non-disclosure Obligations imposed by professional ethics, law or otherwise, and to stock exchanges and other statutory & legal authorities. The disclosing Party shall take utmost care that by disclosing the information the other Party's/ies business interest are not adversely affected

8.2. It is agreed between the Parties that

(g) in the event either of the Parties is required to make any disclosure regarding this Agreement or any aspects related thereto pursuant to the provisions or requirements of law, then the Party/ies required to make such disclosure shall provide a reasonable notice to the other Parties. The Parties shall thereafter and prior to disclosing any such information, mutually agree on the content of the information being disclosed.

(h) in the event either of the Parties is required to make any disclosure regarding this Agreement or any aspects related thereto by way of release of any statement or information to the media, whether electronic or print

form, the disclosing Party/ies shall seek the prior written approval of the other Parties for such disclosure including on the content of such disclosure.

- 8.3. However, the Parties agree that such consents required to be obtained pursuant to this Clause 8 shall not be unreasonably delayed or withheld so as to cause breach of the time period for such disclosure.

9. Notices:

Any notice or other communication to be given by one Party to the others under, or in connection with the matters contemplated by, this Agreement shall be in writing and shall be given by letter delivered by hand or registered post to the address given and marked for the attention of the person as set out in the body of the Agreement and may be marked to the Parties as may be from time to time designated by notice to the other.

10. Indemnity:

Each of the Parties hereto shall indemnify and hold the others, its employees, officers, advisers and affiliates and any person controlling any of them and each of its or their officers, directors, employees and agents harmless from and against all third party actions, claims, damages, proceeding, investigations, liabilities or judgments and all losses, damage, costs, charges and expenses or whatever nature and in whatever jurisdiction, and which arise from the Agreement, other than for any claims or losses to the extent that are finally determined by a court of competent jurisdiction to have resulted primarily from gross negligence or willful default of the other Party/ies.

11. Dispute resolution:

The Parties hereto shall make all attempts to resolve all disputes and differences through mutual discussions/ negotiations whether relating to the interpretation, meaning, validity, existence or breach of this Agreement or any clause herein within a period of 1 month keeping in view the spirit of this Agreement.

In the event the dispute or differences between the parties are not settled mutually or fail to negotiate their differences, then the aggrieved Party shall by

giving a notice to the other Parties to refer the dispute or difference to a Sole arbitrator to be appointed mutually by the Parties. The arbitration shall be conducted according to the provisions of the Arbitration and Conciliation Act, 1996 as amended from time to time and the place of arbitration shall be ...(Name of the Place)

12. Jurisdiction and Governing Laws:

Subject to Clause 11, the Parties hereto irrevocably submit to the sole and exclusive jurisdiction of the.....(Name of the Courts) This Agreement is governed by the laws subsisting in India and any amendments thereto.

13. Assignment:

Neither of the Parties shall assign, outsource nor sub-contract this Agreement in whole or any part or on thereof to any of their affiliates, group companies or any third party without the written consent of the other Parties.

14. Miscellaneous:

14.1 The Agreement including any schedules and annexure attached hereto shall, constitute the entire understanding of the Parties relating to the subject matter hereof and shall supersede all past correspondence/letters exchanged/agreements executed between the Parties hereto.

14.2 Except as otherwise provided herein, this Agreement may not be varied/amended except by agreement in writing to be signed by all Parties.

14.3 The Parties agree that in performing their respective responsibilities pursuant to this Agreement, they are independent contractors and their personnel are not agents or employees of the other for any purpose whatsoever, and are not entitled to each other's employees' benefits. Each party is solely responsible for compensation of its personnel and for payment of workmen's compensation, disability and other similar benefits, unemployment and other similar insurance and for the withholding of other taxes and social security. Nothing herein may be construed to create an agency, joint venture; partnership or other relationship between the parties other than independent contractors.

14.4 If any provision of this Agreement is declared inoperative, void or illegal by a court of competent jurisdiction, the remaining provisions of the Agreement shall not be affected and shall continue to operate in full force unless this Agreement is thereby rendered impossible from perform.

14.5 If either of the Parties at any time fails to require strict compliance with any term or condition hereunder, such failure will not constitute a waiver of such term or condition or of any subsequent breach of that term or condition or a waiver of any other term or condition. For the avoidance of doubt, each Party's/ies' rights under this agreement may be used as each considers appropriate, and apply in addition to any law. Each party loses its rights only if it specifically waives them in writing.

14.6 All the terms and conditions which by its very nature, survive termination/expiry of the Agreement, shall survive such termination/expiry.

14.7 This Agreement may be executed in two (2) parts each which shall be deemed original and all of which shall be deemed one and the same Agreement.

IN WITNESS WHEREOF THE Parties have caused this Agreement to be executed on(Day).... of(Month) , 20.... by their duly authorised representatives as a legally binding contract in 2 (two) original copies on the day and year first written above, each Party receiving one original copy.

For and on behalf of Lead Generator

Signature :

Signature:.....

Name:.....

Name:.....

Designation

Designation.....

For and on behalf of Company A

Signature:

Signature:.....

Name:

Name:

Designation:

Designation:

For and on behalf of Company Z

Signature:

Signature:.....

Name:

Name:.....

Designation:

Designation:

Appendix-1

Scope of Work:

- A. Each Party would monetarily support/share the Lead Generator in developing a common infrastructure of the group of generators and dedicated transmission network from Park to CTU sub-station.
- B. Each Party would monetarily support/share the Lead Generator in developing a common infrastructure which may be required at the CTUs sub-station like bay equipment etc.
- C. Each Party would monetarily support/share the Lead Generator in bearing the expenditure which may be incurred in day to day O&M of the common infrastructure for group of generators, dedicated transmission network and network/equipment in CTU sub-station.
- D. Each Party would monetarily support/share through the Lead Generator any charges which may be incurred as transmission charges/losses in money terms or kind as the matter may be from time to time.
- E. Each Party authorize the Lead Generator to approach the CTU for availing connectivity for the group of generators as a whole and shall share any expenses which may be incurred in such process.
- F. Each Party authorize the Lead Generator to represent them at any governmental/statuary and/or any other authority in respect of any matter whatsoever may be required in relation to development of above group of generators.

JOINT MANAGEMENT

1. Management Committee

- 1.1. The Management Committee shall review and decide upon all important matters relating to the Grant of connectivity and the Group of Projects (other than matters falling solely within the Scope of Work of one Party and not affecting the interests of any other Party), in particular:
 - 1.1.1. establish the Grant of connectivity format, coordinate the preparation of the technical and commercial content of the Grant of connectivity by the Parties and collate the Grant of connectivity for submission to the CTU and negotiation in relations to the Group of Projects and any proposed Variation, supplement or amendment thereto;
 - 1.1.2. any proposed revision of the Grant of connectivity for Group of Projects price(s);
 - 1.1.3. any proposed modification, reduction or extension of the Group of Projects schedule and, at the request of a Party, any work schedule previously agreed between the Parties;
 - 1.1.4. any proposed reallocation of supplies, services or responsibilities among the Parties;
 - 1.1.5. any proposed revision of the Proportionate Shares of the Parties;
 - 1.1.6. any proposed addition of another party to or expulsion of an existing Party from this Agreement;
 - 1.1.7. any other important matter raised by any of the Parties.
 - 1.2. Each Party shall appoint a representative who shall be an officer or director of that Party and an alternate by notice in writing within (1) (one) week of the date of this Agreement. Each Party may revoke the appointment of and replace its representative and alternate by notice in writing to the Management Committee.
 - 1.3. Meetings of the Management Committee shall be convened by the Lead Generator at least (4) (four) times a year and, should circumstances so require, at any other time at the request of a Party, stating the circumstances, by giving
-

- (2) (two) weeks' notice in writing or such lesser period of notice as the circumstances may reasonably demand.
- 1.4. Each representative, or alternate in the absence of the representative, shall be deemed to have the authority to represent the Party appointing him or her in respect of all matters concerning the Management Committee.
 - 1.5. Meetings of the Management Committee shall normally be held at the Lead Generator's offices or otherwise as mutually agreed. In cases of particular urgency, decisions may also be reached by telephone, correspondence, telex, email or facsimile. All decisions arrived at by telephone or facsimile shall be promptly confirmed in writing to every representative on the Management Committee by the Lead Generator's representative.
 - 1.6. All decisions of the Management Committee must be unanimous save as except where it has been expressly stated in this Agreement.
 - 1.7. Should a meeting of the Management Committee fail to achieve unanimity on a proposal, a decision on that proposal shall be adjourn. In the event that the Parties are unable to arrive at an unanimous decision or on a modified proposal within 5 (five) working days of the original meeting and if a continued failure to resolve the issue would put the due performance of the Group of Projects materially at risk or in case of emergency, the Chairperson of the Management Committee shall be and hereby is empowered to take a decision to safeguard the common interest of the Parties and shall report such decision immediately to the other Parties. Such decision shall be duly implemented by the Parties without delay and without prejudice to the provisions of Clause 11 (Dispute - Resolution). If any Party fails to cause its representative or alternate to attend at a duly convened meeting of the Management Committee the meeting shall be adjourned for 2 (two) working days and the Parties shall immediately be notified by telex or facsimile of such adjournment. If the non-attending Party fails to cause its representative or alternate to attend the resumed meeting other than as a result of causes beyond the control of that Party, then unanimous decisions taken by those present at such meeting shall constitute a valid decision of the Management Committee.
 - 1.8. The representative (or alternate in the absence of the representative) appointed
-

by the Lead Generator shall chair all meetings of the Management Committee.

- 1.9. The representative of the Lead Generator shall distribute minutes of each meeting of the Management Committee to each Party without delay. The minutes shall be deemed to have been accepted by the other Parties unless comments are made in writing within ten (10) working days of their distribution.
- 1.10. If any Party is in default under Clause 5 (Termination) then notwithstanding any other provision in this Agreement or its Appendices, such defaulting Party shall not be entitled to take part in any approval, action, step or proceedings with respect to the Agreement and the representative or alternate of such defaulting Party shall have no right to participate in the voting at any meetings of the Management Committee and any decisions or actions to be taken by the Management Committee in its absence shall be deemed a decision or action of the Parties.
- 1.11. The costs incurred by each Party in respect of its representative or alternate in the functioning of the Management Committee shall be borne by such Party and shall not be a cost chargeable to the other Parties.

FORMAT-CONN-CA-5

CONNECTIVITY AGREEMENT

Under Regulation 10.3 of CERC (Connectivity and General Network Access to the Inter-State Transmission System) Regulations, 2022.

Between

CENTRAL TRANSMISSION UTILITY OF INDIA LIMITED

AND

CONNECTIVITY GRANTEE

This Connectivity Agreement having ref. no. entered into on theday of.....Two Thousand Twenty Two (2022) between CENTRAL TRANSMISSION UTILITY OF INDIA LIMITED, a company incorporated under the Companies Act, 2013, having its registered office at Plot No.2, Sector 29, Gurgaon, Haryana 122001, India (hereinafter referred to as “ **Nodal Agency**” which expression shall unless repugnant to the context or meaning thereof include its successors and assigns) as party of the first part;

AND

Party name....., a company incorporated under the Companies Act, 1956/2013 , having its registered office at ----- and correspondence address at: ----- (hereinafter referred to either as ‘**Short name of the Party**’ or ‘**Connectivity Grantee**’ which expression shall unless repugnant to the context or meaning thereof include its successors and assigns) as party of the second part.

RECITALS

A. These recitals are framed in accordance with various Regulations of CERC (Connectivity and General Network Access to the inter-State Transmission System) Regulations, 2022 (hereinafter referred to as “Connectivity and GNA

Regulations, 2022”).

- B. The Connectivity Grantee has applied for grant of Connectivity to ISTS vide application no..... dated for (-----MW-) from proposed Power Plant ((-----MW-)) in, in accordance with Regulation 5 of Connectivity and GNA Regulations, 2022 & Detailed Procedure.
- C. The Nodal Agency vide its intimation no. C/CTU/.....dated..... has issued the in-principle grant of Connectivity to the ‘**Short name of the Party**’. The copy of Nodal Agency’s intimation dated is attached as **Annexure “A”** to the present agreement.
- D. In terms of Regulation 8 of Connectivity and GNA Regulations, 2022, the Connectivity Grantee has furnished the following Bank Guarantee(s) to the Nodal Agency-:

Sl. No.	Bank Guarantee(s)	Amount	Expiry date	Claim date
1.	Conn-BG1			
2.	Conn-BG2			
3.	Conn-BG3			

- E. The Nodal Agency vide its intimation no. C/CTU/.....dated.....has intimated the final grant of Connectivity to ‘**Short name of the Party**’ under Regulation 9 of the Connectivity and GNA Regulations, 2022. The copy of Nodal Agency’s intimation datedis attached as **Annexure “B”** to the present agreement.
- F. The Connectivity grantee has submitted the technical connection data, including generator data for fault studies, dynamic simulation data and details of data and voice communication to the Nodal Agency videdated....., copy of which is attached as **Annexure “C”** to the present agreement.
- G. The Connectivity Grantee shall furnish the following information in accordance with Regulation 39.1 of Connectivity and GNA Regulations, 2022:

Sl. No.	Details of the allocated terminal bay(s) at ISTS sub-station (In case Connectivity granted at proposed ISTS S/s)	Start date of Connectivity

H. Nodal agency vide itsdated has intimated the connection details, inter alia, details of protection equipment, system recording, SCADA and communication equipment, to the Connectivity grantee as per Regulation 10 of the Connectivity and GNA Regulations, 2022.

I. The present agreement is being signed between the Nodal Agency and the Connectivity grantee as per Regulation 10.3 of the Connectivity and GNA Regulations, 2022.

Terms and Conditions

The following terms and conditions shall be applicable to the present agreement:-

1. The Connectivity Grantee shall furnish the tentative data to form part of the Connectivity Agreement and furnish the final data at least 1 (one) year prior to the physical connection, which shall form a part of the present agreement.
2. In case of non-payment of transmission charges under Regulation 13 of the Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations, 2020 for more than 3 months from the due date, the same may be recovered by encashing Conn-BG1, Conn-BG2 and Conn-BG3, as required as per provision of Regulation 16.3 of Connectivity and GNA Regulations, 2022.
3. The 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 Connectivity grantee for the same covering the commercial terms and conditions. In such a case, Connectivity grantee shall also be liable to pay transmission charges as per

Regulation 13 of Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations, 2020.

4. Connectivity grantee shall submit a copy of the signed Connectivity Agreement to the Regional Load Despatch Centre (RLDC), in whose control area it is located.
 5. The Connectivity grantee shall be responsible for planning, design, construction, and safe and reliable operation of its own equipment in accordance with applicable Regulations/Procedures, including the following, the Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2007, Central Electricity Authority (Technical Standards for Construction of electrical plants and electric lines) Regulations, Central Electricity Authority (Grid Standards) Regulations, Indian Electricity Grid Code (IEGC), 2010 and amendments thereof.
 6. The Connectivity grantee shall provide necessary facilities for voice & data communication for transfer of real time operational data from their station to Data Collection Point (DCP) of Inter-State transmission licensees as per Indian Electricity Grid Code (IEGC), 2010 and shall be responsible to ensure availability of voice and data to concerned RLDC.
 7. The Connectivity grantee shall provide and maintain the Metering equipment, in accordance with the Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006 and Indian Electricity Grid Code (IEGC), 2010 and its amendments thereof.
 8. Connectivity grantee shall comply with Electricity Act, 2003, and all applicable CERC/CEA Regulations/Detailed Procedures, including the following:- CERC (Connectivity and General Network Access to the Inter-State Transmission System) Regulations, 2022, Detailed Procedure for making application for Connectivity and GNA to the ISTS, Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2007, Central Electricity Authority (Technical Standards for Construction of electrical plants and electric lines) Regulations, 2010, Central Electricity Authority (Grid Standards) Regulations, 2010, Indian Electricity Grid Code (IEGC), 2010 and amendments thereof.
-

9. The aforementioned compliances and technical requirements are non-exhaustive in nature and in case of any conflict between the terms and conditions of the Connectivity Agreement and the provisions of the Connectivity and GNA Regulations, 2022, the latter Regulations shall prevail.
10. This is agreed to by Connectivity Grantee, signing this agreement to indemnify and hold the Nodal Agency harmless all time from and against any and all damages, losses, liabilities, obligations, penalties, cause of action, claims of any kind (including, without limitation, reasonable attorneys' fees and expenses) (collectively, "Losses"), suffered, incurred or paid, directly, as a result of, in connection with or arising out of and relating to exercise of Nodal Agency's actions pursuant to and in accordance with this Agreement.
11. All correspondence/notices required or referred to under this Agreement shall be in writing and signed by the respective authorized signatories of the parties mentioned herein, unless otherwise notified. Each such notice shall be deemed to have been duly given if delivered or served by email, registered mail/speed post of the department of post with an acknowledgment due to other party (ies) as per authorization by parties.
12. This Agreement shall be valid from the date of signing of this agreement till the validity of Connectivity and GNA Regulations, 2022, subject to its revision as may be made by the parties to this Agreement provided that this Agreement may be mutually renewed or replaced by another Agreement on such terms as the parties may mutually agree.

In witness whereof both the parties have executed this Agreement through their authorized representative.

Witness

For and on behalf of
CENTRAL TRANSMISSION UTILITY OF INDIA LTD.
CIN: U40100HR2020GOI091857

Signature :..... Signature:.....

Name:.....

Name:.....

Designation.....

Designation.....

For and on behalf of

.....(Grantee name).....

CIN:

Signature :.....

Signature:.....

Name:.....

Name:.....

Designation.....

Designation.....

FORMAT-GNA-APP-1

**APPLICATION FOR ADDITIONAL GRANT OF GNA TO STUs UNDER
REGULATION 19**

1. **Name of the Applicant** :
2. **Address of correspondence** :
3. **Contact Details**

Primary Contact Details

- Primary Contact Person Name :
- Designation :
- Phone No. (Mobile) :
- E-Mail :

Alternate Contact Details

- Alternate Contact Person Name :
- Designation :
- Phone No. :
- E-Mail :

4. **Nature of applicant:** State Transmission Utility (STU)
5. **Details for Additional General Network Access (GNA)**
 - a. Quantum (MW) of GNA required:

GNA(MW)/ Financial Year	Year 1	Year 2	Year 3
Quantum (MW) of GNA required			
Quantum (MW) of GNA from within Region			
Quantum (MW) of GNA from outside Region			
Start date of GNA			
Peak demand (MW)			

b. Entity wise segregation of GNA quantum (MW):

Entity Name/ Financial Year	Year 1	Year 2	Year 3
Entity Name-1			
Entity Name-2			
Entity Name-3			
Entity Name-4			
Total			

6. Details of Documents Enclosed with the Application as applicable

- i. Notarized affidavit as per **FORMAT-AFFIDAVIT**
- ii. Certified true copy of Board Resolution authorizing a person for filing of application, where applicant is a company

I confirm that I am well aware of the CERC Regulations and Detailed Procedure and all the details entered by me are in conformity with the Regulations.

I submit that all the details given in the attached Application for GNA are true and correct and nothing material has been concealed thereof. I hereby agree and acknowledge that in case of any deficiency in the application, I shall have only one opportunity to rectify the deficiencies within the stipulated time period (as per Regulations/Procedure) where after the application shall be liable for rejection at my risk and responsibility.

Submission Date:

Submission Time:

Digital Signature:

[should be Class 3-type i.e. mapped to the company and having a validity for a minimum period of 3 months from date of application]

FORMAT-GNA-APP-2

**APPLICATION FOR GRANT OF GNA TO ENTITIES OTHER THAN STU UNDER
REGULATION 20.1 AND 20.3 FOR ENTITIES UNDER REGULATION 17.1(II), (III)
AND (V)**

1. Name of the Applicant :

2. Address of correspondence :

3. Contact Details

Primary Contact Details

Primary Contact Person Name :

Designation :

Phone No. (Mobile) :

E-Mail :

Alternate Contact Details

Alternate Contact Person Name :

Designation :

Phone No. :

E-Mail :

4. Nature of applicant:

- Drawee entity connected to Intra State
- Distribution licensee seeking to connect to ISTS
- Bulk consumer seeking to connect to ISTS
- Transmission licensee connected to ISTS

5. Details for General Network Access (GNA)

a. Drawee Entity connected to intra-state & Transmission Licensee connected to ISTS:

a. Quantum (MW) of GNA required:

- Quantum (MW) of GNA within the region:
 - Quantum (MW) of GNA outside the region:
- b. Start date of GNA :
- c. End date of GNA(more than 11 months):
- d. Intra-state substation including voltage level at which connected (for intra-state entity only):
- e. ISTS substation including voltage level at which connected (for transmission licensee):
- b. Distribution licensee and bulk consumer seeking to connect to ISTS:**
- a. Capacity (MW) for which GNA(including connectivity) is required:
- Quantum (MW) of GNA within the region:
 - Quantum (MW) of GNA outside the region:
- b. Start date of GNA(including connectivity):
- c. End date of GNA(more than 11 months):
- 6. Details of Nearest 765/400/220/132 kV ISTS sub-stations (in case of seeking new connection to ISTS)**
- Sub-Station Name:
- Voltage levels available:
- Owner:
- Distance (km):

7. Details of Bank Account for Refund of fee

Beneficiary Account Number:

Beneficiary Account Name:

IFSC Code:

Bank Name:

Branch Name:

8. Details of Documents Enclosed with the Application as applicable

- i. Notarized affidavit as per **FORMAT-AFFIDAVIT**
- ii. Certified true copy of Board Resolution authorizing a person for filing of application, where applicant is a company
- iii. Bank generated proof of digital payment for application
- iv. Consent of the concerned STU in terms of availability of transmission capacity in intra-State transmission system for such quantum and period of GNA by drawee entity connected to intra-state transmission system
- v. Copy of licensee issued by appropriate Commission, if case of entity under Regulation 17.1 (iii) and (v), as applicable.

I confirm that I am well aware of the CERC Regulations and Detailed Procedure and all the details entered by me are in conformity with the Regulations.

I submit that all the details given in the attached Application for GNA are true and correct and nothing material has been concealed thereof. I hereby agree and acknowledge that in case of any deficiency in the application, I shall have only one opportunity to rectify the deficiencies within the stipulated time period (as per Regulations/Procedure) where after the application shall be liable for rejection at my risk and responsibility.

Submission Date:

Submission Time:

Digital Signature:

[should be Class 3-type i.e. mapped to the company and having a validity for a

*minimum period of 3 months from date
of application]*

FORMAT-GNA-CB-APP-3

**APPLICATION FOR GRANT OF GNA BY ENTITIES OTHER THAN STU UNDER
REGULATION 20.2 FOR ENTITIES UNDER REGULATION 17.1(IV)**

1. **Name of the Applicant** :
2. **Address of correspondence** :
3. **Contact Details** :

Primary Contact Details

- Primary Contact Person Name :
- Designation :
- Phone No. (Mobile) :
- E-Mail :

Alternate Contact Details

- Alternate Contact Person Name :
- Designation :
- Phone No. :
- E-Mail :

4. **Nature of applicant:** Trading licensee engaged in cross border trade of electricity

5. **GNA intended for: (Select one)**

- i. Injection into Indian grid
- ii. Drawl from Indian grid
- iii. Injection along with drawl through Indian grid

6. **Details for General Network Access (GNA):** as per above selection

- I. **GNA for injection into Indian Grid:** (in case of i & iii)

- a. Quantum (MW) of GNA required:
-

- Quantum (MW) of GNA within the region:
 - Quantum (MW) of GNA outside the region:
- b. Start date of GNA:
 - c. End date of GNA (more than 11 months):
 - d. Name of Generator:
 - e. Type of generation (Thermal/Hydro/Nuclear/Gas/RE):
 - f. Installed capacity:
 - g. No. of units and unit size:
 - h. Latitude and Longitude:
 - i. Substation where physically connected:
 - j. Country where generation is located:
 - k. Nearest cross-border substation(s) in Indian grid:

II. GNA for drawal from Indian Grid: (in case of ii & iii)

- a. Quantum (MW) of GNA required:
 - Quantum (MW) of GNA within the region:
 - Quantum (MW) of GNA outside the region:
- b. Start date of GNA
- c. End date of GNA (more than 11 months):
- d. Country where drawal is intended:
- e. Nearest cross-border substation(s) in Indian grid from where drawal is intended:

7. Details of Bank Account for Refund of fee

Beneficiary Account Number:

Beneficiary Account Name:

IFSC Code:

Bank Name:

Branch Name:

8. Details of Documents Enclosed with the Application as applicable

- i. Notarized affidavit as per **FORMAT-AFFIDAVIT**
- ii. Certified true copy of Board Resolution authorizing a person for filing of application, where applicant is a company
- iii. Bank generated proof of digital payment for application
- iv. Approval from Designated Authority with regard to eligibility of the Participating Entity/ Copy of the Inter Government Agreement (IGA)

I confirm that I am well aware of the CERC Regulations and Detailed Procedure and all the details entered by me are in conformity with the Regulations.

I submit that all the details given in the attached Application for GNA are true and correct and nothing material has been concealed thereof. I hereby agree and acknowledge that in case of any deficiency in the application, I shall have only one opportunity to rectify the deficiencies within the stipulated time period (as per Regulations/Procedure) where after the application shall be liable for rejection at my risk and responsibility.

Submission Date:

Submission Time:

Digital Signature:

[should be Class 3-type i.e. mapped to the company and having a validity for a minimum period of 3 months from date of application]

FORMAT-GNA-APP-4

**APPLICATION FOR GRANT OF GNA FOR ENTITIES COVERED UNDER
REGULATION 17.2**

1. **Name of the Applicant** :
2. **Address of correspondence** :
3. **Contact Details** :

Primary Contact Details

- Primary Contact Person Name :
- Designation :
- Phone No. (Mobile) :
- E-Mail :

Alternate Contact Details

- Alternate Contact Person Name :
- Designation :
- Phone No. :
- E-Mail :

4. Nature of applicant:

- i. Generating station(s), including REGS(s), without ESS
 - ii. Generating station(s), including REGS(s), without ESS through a lead generator
 - iii. Generating station(s), including REGS(s), with ESS
 - iv. Generating station(s), including REGS(s), with ESS through a lead generator
 - v. Generating station(s), including REGS(s), with ESS through a lead ESS
 - vi. Captive generating plant
 - vii. Standalone ESS
 - viii. Standalone ESS through a lead generator
-

- ix. Standalone ESS through a lead ESS
- x. Renewable Power Park developer
- xi. Renewable Energy generating station or standalone ESS through the electrical system of generating station or any entity already having Connectivity to ISTS

5. Details for General Network Access (GNA):

- i. Quantum (MW) for which GNA required :
- ii. Date from Which GNA required :

6. Details of Bank Account for Refund of fee

Beneficiary Account Number.:

Beneficiary Account Name.:

IFSC Code:

Bank Name:

Branch Name:

7. Details of Documents Enclosed with the Application as applicable

- i. Notarized affidavit as per **FORMAT-AFFIDAVIT**
- ii. Bank generated proof of digital payment for application
- iii. Certified true copy of Board Resolution authorizing a designated person for filing of application, where applicant is a company
- iv. Registration Number along with certificate issued by the CEA Registry
- v. Copy of Authorization by the Central Government or State Government as Renewable Power Park Developer

I confirm that I am well aware of the CERC Regulations and Detailed Procedure and all the details entered by me are in conformity with the Regulations.

I submit that all the details given in the attached Application for GNA are true and

correct and nothing material has been concealed thereof. I hereby agree and acknowledge that in case of any deficiency in the application, I shall have only one opportunity to rectify the deficiencies within the stipulated time period (as per Regulations/Procedure) where after the application shall be liable for rejection at my risk and responsibility.

Submission Date:

Submission Time:

Digital Signature:

[should be Class 3-type i.e. mapped to the company and having a validity for a minimum period of 3 months from date of application]

FORMAT-GNA-TRANS-APP-5

**APPLICATION FOR USE OF GNA BY OTHER GRANTEE(S) UNDER
REGULATION 23**

1. **Name of the Applicant** :
2. **Address of correspondence** :
3. **Contact Details** :

Primary Contact Details

- Primary Contact Person Name :
- Designation :
- Phone No. (Mobile) :
- E-Mail :

Alternate Contact Details

- Alternate Contact Person Name :
- Designation :
- Phone No. :
- E-Mail :

4. Nature of applicant:

- i. State Transmission Utility
- ii. Drawee entity connected to intra-state transmission system
- iii. Distribution licensee or Bulk consumer
- iv. Electricity Trader (only in terms of Cross Border Regulations)
- v. Transmission licensee

5. Details for General Network Access (GNA) Grantee :

- a. Region where Applicant is connected to ISTS :
-

- b. Quantum (MW) of GNA granted :

 - Quantum (MW) of GNA within the region :
 - Quantum (MW) of GNA outside the region :

- c. Start Date of GNA :
- d. End Date of GNA (Not applicable for STU) :

6. Use of GNA by other grantee(s):

Region Name	Name of other GNA Grantee	Nature of other GNA Grantee	Quantum (MW) of GNA to be used			Period of usage of GNA (not exceeding 1 (one) year)	
			Total	Within Region	Outside region	From Date (more than 60 days)	To Date

I confirm that I am well aware of the CERC Regulations and Detailed Procedure and all the details entered by me are in conformity with the Regulations. NOC from STU (as applicable). Request letter from the other grantee (s) who intends to use the transferred GNA.

I submit that all the details given in the attached Application for GNA are true and correct and nothing material has been concealed thereof. I hereby agree and acknowledge that in case of any deficiency in the application, I shall have only one opportunity to rectify the deficiencies within the stipulated time period (as per Regulations/Procedure) where after the application shall be liable for rejection at my risk and responsibility.

Submission Date:

Submission Time:

Digital Signature:

[should be Class 3-type i.e. mapped to the company and having a validity for a minimum period of 3 months from date of application]

FORMAT-GNA-REL-6

NOTICE FOR RELINQUISHMENT OF GNA UNDER REGULATION 25

1. **Name of the Applicant** :
2. **Address of correspondence** :
3. **Contact Details** :

Primary Contact Details

- Primary Contact Person Name :
- Designation :
- Phone No. (Mobile) :
- E-Mail :

Alternate Contact Details

- Alternate Contact Person Name :
- Designation :
- Phone No. :
- E-Mail :

4. **Nature of GNA grantee:**
 - i. State Transmission Utility
 - ii. Drawee entity connected to intra-state
 - iii. Distribution licensee or Bulk consumer connected to ISTS
 - iv. Trading Licensee engaged in Cross Border trade
 - v. Transmission licensee connected to ISTS

5. Details of General Network Access (GNA) granted

- i. Quantum (MW) of GNA granted :
 - Quantum (MW) of GNA within the region:
 - Quantum (MW) of GNA outside the region:
- ii. Start date of GNA

iii. End date of GNA (NA for STU)

6. Details for relinquishment of General Network Access (GNA):

- i. Quantum (MW) of GNA to be relinquished
 - Quantum (MW) for which GNA within the region
 - Quantum (MW) for which GNA outside the region
- ii. Date from which GNA relinquished

7. Details of Relinquishment Charges

- i. Number of months for which GNA relinquished (not applicable for STU)
- ii. Transmission charges paid in last billing month corresponding to relinquished GNA
- iii. Relinquishment Charges paid in advance

I confirm that I am well aware of the CERC Regulations and Detailed Procedure and all the details entered by me are in conformity with the Regulations.

I submit that all the details given in the attached Application for GNA are true and correct and nothing material has been concealed thereof. I hereby agree and acknowledge that in case of any deficiency in the application, I shall have only one opportunity to rectify the deficiencies within the stipulated time period (as per Regulations/Procedure) where after the application shall be liable for rejection at my risk and responsibility.

Submission Date:

Submission Time:

Digital Signature:

[should be Class 3-type i.e. mapped to the company and having a validity for a minimum period of 3 months from date of application]

FORMAT-GNA-INT-1

INTIMATION FOR GRANT OF GNA TO STUs UNDER REGULATION 22

1	Intimation No.	:	CTU/Region/GNA-INT-1/Application no.
	Date	:	
2	Ref. Application No.	:	
	Date	:	
3	Name of the Applicant	:	
4	Address for Correspondence	:	
5	Nature of the Applicant	:	State Transmission Utility (STU)

6. Details of General Network Access (GNA) requested

GNA(MW)/ Financial Year	FY 20aa-bb	FY 20bb-cc	FY 20cc-dd
Quantum (MW) of GNA required			
Quantum (MW) of GNA within Region			
Quantum (MW) of GNA outside Region			
Start date of GNA			

7. Details of General Network Access (GNA) granted

GNA(MW)/Financial Year	FY 20aa-bb	FY 20bb-cc	FY 20cc-dd
Quantum (MW) of GNA required			
Quantum (MW) of GNA within Region			
Quantum (MW) of GNA outside Region			

Start date of GNA			
Transmission System for GNA			

8. Entity wise segregation of GNA granted:

Entity Name/ Financial Year	FY 20aa-bb	FY 20bb-cc	FY 20cc-dd
Entity Name-1			
Entity Name-2			
Entity Name-3			
Entity Name-4			
Total			

Note: General Network Access is granted to the ISTS subject to the following:

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, 2021 and corresponding Detailed Procedure for Connectivity and GNA;
 - iii) CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007;
 - iv) CEA (Technical Standards for construction of Electrical Plants and Electric Lines) Regulations, 2010;
 - v) CEA (Grid Standard) Regulations, 2010;
 - vi) CEA (Safety requirements for construction, operation and maintenance of Electrical Plants and Electrical Lines) Regulations, 2011;
 - vii) CEA (Measures relating to Safety and Electricity Supply) Regulations, 2010;
 - viii) CEA (Installation and Operation of Meters) Regulations, 2006;

- ix) CEA (Technical Standards for Communication System in Power System Operations) Regulations, 2020;
- x) CERC (Communication System for Inter –State transmission of Electricity) regulations, 2017;
- xi) CERC (Indian Electricity Grid Code) Regulations, 2010;
- xii) CEA (Cyber Security in Power Sector) Guidelines, 2021;
- xiii) Any other applicable Act / Rules / Guidelines / Standards / Regulations / Procedures etc.

Non-compliance of above shall be dealt with as per the relevant provisions stipulated.

2. That 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 GNA transaction.
3. The applicant/grantee shall be required to pay applicable ISTS transmission charges as per relevant CERC Regulations/Orders.

Place:

Name:

Date:

Designation:

FORMAT-GNA-INT-2A

INTIMATION FOR IN-PRINCIPLE GRANT OF GNA UNDER REGULATION 22.2 TO ENTITIES UNDER REGULATION 17.1 (II), (III) AND (V)

1	Intimation No.	:	CTU/Region/GNA -INT- 2A/Application no.
	Date	:	
2	Ref. Application No.	:	
	Date	:	
3	Name of the Applicant	:	
4	Address for Correspondence	:	
5	Nature of the Applicant		
	Drawee entity connected to Intra-STS	:	
	Distribution Licensee seeking to connect to ISTS	:	
	Bulk Consumer seeking to connect to ISTS	:	
	Transmission Licensee connected to ISTS	:	
6	Details for General Network Access (GNA) requested		
a	Quantum (MW) of GNA	:	
b	Start date of GNA	:	
c	End Date of GNA	:	
7	Details of General Network Access (GNA) granted		
a	Quantum (MW) of GNA	:	
b	Tentative Start date of GNA	:	
c	Tentative End date of GNA	:	
d	Through existing system or with network augmentation		

	of system		
e	Transmission system for GNA	:	
8	BGs and Charges [only for entity mentioned at Regulation 17.1 (iii)]		
a	One time GNA charge at Rs. 1 Lakh/MW	:	
b	Conn-BG1	:	Rs. 50 Lakh

Note: General Network Access is granted to the ISTS subject to the following:

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, 2021 and corresponding Detailed Procedure for Connectivity and GNA;
 - iii) CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007;
 - iv) CEA (Technical Standards for construction of Electrical Plants and Electric Lines) Regulations, 2010;
 - v) CEA (Grid Standard) Regulations, 2010;
 - vi) CEA (Safety requirements for construction, operation and maintenance of Electrical Plants and Electrical Lines) Regulations, 2011;
 - vii) CEA (Measures relating to Safety and Electricity Supply) Regulations, 2010;
 - viii) CEA (Installation and Operation of Meters) Regulations, 2006;
 - ix) CEA (Technical Standards for Communication System in Power System Operations) Regulations, 2020;
 - x) CERC (Communication System for Inter –State transmission of Electricity) regulations, 2017;
 - xi) CERC (Indian Electricity Grid Code) Regulations, 2010;
 - xii) CEA (Cyber Security in Power Sector) Guidelines, 2021;

xiii) Any other applicable Act / Rules / Guidelines / Standards / Regulations / Procedures etc.

Non-compliance of above shall be dealt with as per the relevant provisions stipulated.

2. That 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 GNA transaction.
3. The applicant/grantee shall be required to pay applicable ISTS transmission charges as per relevant CERC Regulations/Orders.

Only for entities under Regulation 17.1 (ii)

4. If NOC of concerned STU is not available or the NOC is not effective as on Start Date of GNA, the billing for payment of transmission charges shall be undertaken on the GNA grantee as per CERC Regulations, till such time NOC is made available and becomes effective. The NOC with conditions would be considered effective only upon fulfillment of such conditions.

Only for entities under Regulation 17.1 (iii)

5. Conn-BG1, Conn-BG2 and Conn-BG3, as applicable, shall be furnished within 1 (one) month of intimation of respective grant of Connectivity, failing which the application for Connectivity shall be closed, and the application fee shall be forfeited and applicable Conn-BGs would be encashed as per the Regulation. No extension of time shall be granted to furnish the requisite bank guarantee, and in such case the Connectivity shall be revoked under intimation to the Connectivity grantee/applicant.
6. The line to connect to the ISTS and necessary augmentation for providing connection to the ISTS, shall be constructed and maintained by a licensee arranged by Grantee at its own cost.
7. Depending on the topology and transmission system requirement, CTU may plan the connection of two or more bulk consumer/distribution licensee at terminal bay

of an ISTS substation already allocated to another bulk consumer/distribution licensee (such as through Loop-in Loop-out (LILO) of DTL) or switchyard of a bulk consumer/distribution licensee having Connectivity to ISTS for connection and drawl 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 GNA of applicants / grantee shall be liable for revocation.

8. Connectivity grantee shall have to furnish technical data and requisite compliance as per **FORMAT-CONN-TD-1 / FORMAT-CONN-TD-2 / FORMAT-CONN-TD-3** (as applicable) in line with CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007 & amendment(s) thereof, including the provisions of LVRT/HVRT, active power injection control, dynamically varying reactive power support, limits for Harmonic & DC current injection, Flicker limits, etc. (*Report of the Working Group in respect of data submission procedure and verification of compliance to CEA Regulations on Technical Standards for Connectivity to the Grid by RE generators* published on CTU website), to CTU within 30 days from final grant of Connectivity for signing of "Connectivity Agreement". In case technical data provided is tentative, then final technical data shall be provided at least one (1) year prior to physical connection.
9. The grantee shall furnish certificate issued by Electrical Inspectorate of CEA under Regulation 43 of the CEA (Measures relating to Safety and Electric Supply) Regulations, 2010 for the dedicated transmission line(s) and generator pooling station (s) within 10 days of receipt of same from CEA.
10. Grantee shall provide details of Special Protection Scheme (SPS), if required, integrated into their system. In that event, details of SPS and its setting shall be worked out by the Grantee in consultation with respective RLDC and RPC.
11. Grantee shall provide Fibre Optic based communication system comprising OPGW cable (having minimum 12 Fibers) & hardware fittings for the dedicated transmission line and with FOTE (STM-16) terminal equipment, FODP, and approach cables at the Generating station. At ISTS station, the OPGW shall be terminated in Junction box to be mounted at Terminal Gantry by the Stage-II Connectivity grantee. The FOTE equipment, FODP and approach cable at ISTS

station are to be provided by the bay owner, however, the grantee shall provide all necessary support to bay owner for successful commissioning of the communication system. The communication system shall facilitate telemetry data communication, voice communication and tele-protection. Wherever transmission line is routed through multi-circuit towers, an OPGW of 48 Fibers shall be considered in Multi-Circuit Portion. Further, the Connectivity grantee also needs to provide Phasor Measurement Units (PMU) at the generating station.

Place:

Name:

Date:

Designation:

FORMAT-GNA-INT-2B

INTIMATION FOR FINAL GRANT OF GNA UNDER REGULATION 22.2 TO ENTITIES UNDER REGULATION 17.1 (II), (III) AND (V)

1	Intimation No.	:	CTU/Region/GNA -INT- 2B/Application no.
	Date	:	
2	Ref. Application No.	:	
	Date	:	
3	Name of the Applicant	:	
4	Address for Correspondence	:	
5	Nature of the Applicant	:	
	Drawee entity connected to Intra-STS	:	
	Distribution Licensee seeking to connect to ISTS	:	
	Bulk Consumer seeking to connect to ISTS	:	
	Transmission Licensee connected to ISTS	:	
6	Details for General Network Access (GNA) requested	:	
a	Quantum (MW) of GNA	:	
b	Start date of GNA	:	
c	End Date of GNA	:	
7	Details of General Network Access (GNA) granted	:	
a	Quantum (MW) of GNA	:	
b	Start date of GNA	:	
c	End Date of GNA	:	
d	Through existing system or with network augmentation	:	

	of system		
e	Transmission System for GNA	:	
8	BGs and Charges [only for entity mentioned at Regulation 17.1 (iii)]		
a	Conn-BG1	:	Rs. 50 Lakh
b	Conn-BG2 (if GNA with network augmentation of system)	:	
c	Conn-BG3 (if GNA through existing system) at Rs. 2 Lakh/MW	:	
d	One time GNA charge at Rs. 1 Lakh/MW	:	

Note: General Network Access is granted to the ISTS subject to the following:

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, 2021 and corresponding Detailed Procedure for Connectivity and GNA;
 - iii) CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007;
 - iv) CEA (Technical Standards for construction of Electrical Plants and Electric Lines) Regulations, 2010;
 - v) CEA (Grid Standard) Regulations, 2010;
 - vi) CEA (Safety requirements for construction, operation and maintenance of Electrical Plants and Electrical Lines) Regulations, 2011;
 - vii) CEA (Measures relating to Safety and Electricity Supply) Regulations, 2010;
 - viii) CEA (Installation and Operation of Meters) Regulations, 2006;
 - ix) CEA (Technical Standards for Communication System in Power System Operations) Regulations, 2020;

- x) CERC (Communication System for Inter –State transmission of Electricity) regulations, 2017;
- xi) CERC (Indian Electricity Grid Code) Regulations, 2010;
- xii) CEA (Cyber Security in Power Sector) Guidelines, 2021;
- xiii) Any other applicable Act / Rules / Guidelines / Standards / Regulations / Procedures etc.

Non-compliance of above shall be dealt with as per the relevant provisions stipulated.

2. That 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 GNA transaction.
3. The applicant/grantee shall be required to pay applicable ISTS transmission charges as per relevant CERC Regulations/Orders.

Only for entities under Regulation 17.1 (ii)

4. If NOC of concerned STU is not available or the NOC is not effective as on Start Date of GNA, the billing for payment of transmission charges shall be undertaken on the GNA grantee as per CERC Regulations, till such time NOC is made available and becomes effective. The NOC with conditions would be considered effective only upon fulfillment of such conditions.

Only for entities under Regulation 17.1 (iii)

5. Conn-BG1, Conn-BG2 and Conn-BG3, as applicable, shall be furnished within 1 (one) month of intimation of respective grant of GNA, failing which the application for GNA shall be closed, and the application fee shall be forfeited and applicable Conn-BGs would be encashed as per the Regulation. No extension of time shall be granted to furnish the requisite bank guarantee, and in such case the GNA shall be revoked under intimation to the GNA grantee.

6. The line to connect to the ISTS and necessary augmentation for providing connection to the ISTS, shall be constructed and maintained by a licensee arranged by Grantee at its own cost.
7. Depending on the topology and transmission system requirement, CTU may plan the connection of two or more bulk consumer/distribution licensee at terminal bay of an ISTS substation already allocated to another bulk consumer/distribution licensee (such as through Loop-in Loop-out (LILO) of DTL) or switchyard of a bulk consumer/distribution licensee having Connectivity to ISTS for connection and drawl 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 GNA of applicants / grantee shall be liable for revocation.
8. Connectivity grantee shall have to furnish technical data and requisite compliance as per **FORMAT-CONN-TD-1 / FORMAT-CONN-TD-2 / FORMAT-CONN-TD-3** (as applicable) in line with CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007 & amendment(s) thereof, including the provisions of LVRT/HVRT, active power injection control, dynamically varying reactive power support, limits for Harmonic & DC current injection, Flicker limits, etc. (*Report of the Working Group in respect of data submission procedure and verification of compliance to CEA Regulations on Technical Standards for Connectivity to the Grid by RE generators published on CTU website*), to CTU within 30 days from final grant of Connectivity for signing of "Connectivity Agreement". In case technical data provided is tentative, then final technical data shall be provided at least one (1) year prior to physical connection.
9. The grantee shall furnish certificate issued by Electrical Inspectorate of CEA under Regulation 43 of the CEA (Measures relating to Safety and Electric Supply) Regulations, 2010 for the dedicated transmission line(s) and generator pooling station (s) within 10 days of receipt of same from CEA.
10. Grantee shall provide details of Special Protection Scheme (SPS), if required, integrated into their system. In that event, details of SPS and its setting shall be worked out by the Grantee in consultation with respective RLDC and RPC.

11. Grantee shall provide Fibre Optic based communication system comprising OPGW cable (having minimum 12 Fibers) & hardware fittings for the dedicated transmission line and with FOTE (STM-16) terminal equipment, FODP, and approach cables at the Generating station. At ISTS station, the OPGW shall be terminated in Junction box to be mounted at Terminal Gantry by the Stage-II Connectivity grantee. The FOTE equipment, FODP and approach cable at ISTS station are to be provided by the bay owner, however, the grantee shall provide all necessary support to bay owner for successful commissioning of the communication system. The communication system shall facilitate telemetry data communication, voice communication and tele-protection. Wherever transmission line is routed through multi-circuit towers, an OPGW of 48 Fibers shall be considered in Multi-Circuit Portion. Further, the Connectivity grantee also needs to provide Phasor Measurement Units (PMU) at the generating station.

Place:

Name:

Date:

Designation:

FORMAT-GNA-CB-INT-3A

INTIMATION FOR IN-PRINCIPAL GRANT OF GNA UNDER REGULATION 22.2 TO ENTITIES UNDER REGULATION 17.1 (IV)

1	Intimation No.	:	CTU/Region/GNA -CB-INT- 3A/Application no.
	Date	:	
2	Ref. Application No.	:	
	Date	:	
3	Name of the Applicant	:	
4	Address for Correspondence	:	
5	Nature of the Applicant	:	
	Trading Licensee engaged in cross border trade	:	
6	Details for General Network Access (GNA) requested	:	
a	Quantum (MW) of GNA	:	
b	Start date of GNA	:	
c	End date of GNA	:	
d	Injection/Drawal/Injection along with drawal	:	
7	Details of General Network Access (GNA) granted	:	
a	Quantum (MW) of GNA	:	
b	Tentative start date of GNA	:	
c	Tentative end date of GNA	:	
d	Through existing system or with network augmentation of system	:	
e	Transmission system for GNA	:	

8	BGs and Charges		
a	In case of Injection/Injection along with drawal: Conn-BG1	:	Rs: 50 Lakhs
b	One time GNA charges (for all cases viz. Injection/Drawal/Injection along with drawal) at Rs. 1 Lakh/MW	:	

Note: General Network Access is granted to the ISTS subject to the following:

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, 2021 and corresponding Detailed Procedure for Connectivity and GNA;
 - iii) CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007;
 - iv) CEA (Technical Standards for construction of Electrical Plants and Electric Lines) Regulations, 2010;
 - v) CEA (Grid Standard) Regulations, 2010;
 - vi) CEA (Safety requirements for construction, operation and maintenance of Electrical Plants and Electrical Lines) Regulations, 2011;
 - vii) CEA (Measures relating to Safety and Electricity Supply) Regulations, 2010;
 - viii) CEA (Installation and Operation of Meters) Regulations, 2006;
 - ix) CEA (Technical Standards for Communication System in Power System Operations) Regulations, 2020;
 - x) CERC (Communication System for Inter –State transmission of Electricity) regulations, 2017;
 - xi) CERC (Indian Electricity Grid Code) Regulations, 2010;
 - xii) CEA (Cyber Security in Power Sector) Guidelines, 2021;

- xiii) Ministry of Power, Govt. of India's Guidelines for import/export (Cross-Border) of Electricity-2018;
- xiv) CERC (Cross Border Trade of Electricity) Regulations, 2019;
- xv) Procedure for approval and facilitating import/export (cross border) of Electricity by the Designated Authority
- xvi) Any other applicable Act / Rules / Guidelines / Standards / Regulations / Procedures etc.

Non-compliance of above shall be dealt with as per the relevant provisions stipulated.

2. That 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 GNA transaction.
3. The applicant/grantee shall be required to pay applicable ISTS transmission charges as per relevant CERC Regulations/Orders.
4. Conn-BG1, Conn-BG2 and Conn-BG3, as applicable, shall be furnished within 1 (one) month of intimation of respective grant of GNA, failing which the application for GNA shall be closed, and the application fee shall be forfeited and applicable Conn-BGs would be encashed as per the Regulation. No extension of time shall be granted to furnish the requisite bank guarantee, and in such case the GNA shall be revoked under intimation to the GNA grantee.
5. GNA grantee shall have to furnish technical data and requisite compliance as per **FORMAT-CONN-TD-1 / FORMAT-CONN-TD-2 / FORMAT-CONN-TD-3** (as applicable) in line with CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007 & amendment(s) thereof, including the provisions of LVRT/HVRT, active power injection control, dynamically varying reactive power support, limits for Harmonic & DC current injection, Flicker limits, etc. (*Report of the Working Group in respect of data submission procedure and verification of compliance to CEA Regulations on Technical Standards for Connectivity to the*

Grid by RE generators published on CTU website), to CTU within 30 days from final grant of Connectivity for signing of “Connectivity Agreement”. In case technical data provided is tentative, then final technical data shall be provided at least one (1) year prior to physical connection.

Place:

Name:

Date:

Designation:

FORMAT-GNA-CB-INT-3B

INTIMATION FOR FINAL GRANT OF GNA UNDER REGULATION 22.2 TO ENTITIES UNDER REGULATION 17.1 (IV)

1	Intimation No.	:	CTU/Region/GNA -CB-INT- 3B/Application no.
	Date	:	
2	Ref. Application No.	:	
	Date	:	
3	Name of the Applicant	:	
4	Address for Correspondence	:	
5	Nature of the Applicant	:	
	Trading Licensee engaged in cross border trade	:	
6	Details for General Network Access (GNA) requested	:	
a	Quantum (MW) of GNA	:	
b	Start date of GNA	:	
c	End date of GNA	:	
d	Injection/Drawal/Injection along with drawal	:	
7	Details of General Network Access (GNA) granted	:	
a	Quantum (MW) of GNA	:	
b	Start date of GNA	:	
c	End date of GNA	:	
d	Through existing system or with network augmentation of system	:	
e	Transmission system for GNA	:	

9	BGs and Charges		
a	BGs in case of Injection/Injection along with drawal		
	Conn-BG1		Rs. 50 Lakh
	Conn-BG2 (if GNA with network augmentation of system)		
	Conn-BG3 (if GNA through existing system) at Rs. 2 Lakh/MW		
d	One time GNA charges (for all cases viz. Injection/Drawal/Injection along with drawal) at Rs. 1 Lakh/MW	:	

Note: General Network Access is granted to the ISTS subject to the following:

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, 2021 and corresponding Detailed Procedure for Connectivity and GNA;
 - iii) CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007;
 - iv) CEA (Technical Standards for construction of Electrical Plants and Electric Lines) Regulations, 2010;
 - v) CEA (Grid Standard) Regulations, 2010;
 - vi) CEA (Safety requirements for construction, operation and maintenance of Electrical Plants and Electrical Lines) Regulations, 2011;
 - vii) CEA (Measures relating to Safety and Electricity Supply) Regulations, 2010;
 - viii) CEA (Installation and Operation of Meters) Regulations, 2006;
 - ix) CEA (Technical Standards for Communication System in Power System Operations) Regulations, 2020;

- x) CERC (Communication System for Inter –State transmission of Electricity) regulations, 2017;
- xi) CERC (Indian Electricity Grid Code) Regulations, 2010;
- xii) CEA (Cyber Security in Power Sector) Guidelines, 2021;
- xiii) Ministry of Power, Govt. of India's Guidelines for import/export (Cross-Border) of Electricity-2018;
- xiv) CERC (Cross Border Trade of Electricity) Regulations, 2019;
- xv) Procedure for approval and facilitating import/export (cross border) of Electricity by the Designated Authority
- xvi) Any other applicable Act / Rules / Guidelines / Standards / Regulations / Procedures etc.

Non-compliance of above shall be dealt with as per the relevant provisions stipulated.

2. That 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 GNA transaction.
3. The applicant/grantee shall be required to pay applicable ISTS transmission charges as per relevant CERC Regulations/Orders.
4. Conn-BG1, Conn-BG2 and Conn-BG3, as applicable, shall be furnished within 1 (one) month of intimation of respective grant of GNA, failing which the application for GNA shall be closed, and the application fee shall be forfeited and applicable Conn-BGs would be encashed as per the Regulation. No extension of time shall be granted to furnish the requisite bank guarantee, and in such case the GNA shall be revoked under intimation to the GNA grantee.
5. GNA grantee shall have to furnish technical data and requisite compliance as per **FORMAT-CONN-TD-1 / FORMAT-CONN-TD-2 / FORMAT-CONN-TD-3** (as applicable) in line with CEA (Technical Standards for Connectivity to the Grid)

Regulations, 2007 & amendment(s) thereof, including the provisions of LVRT/HVRT, active power injection control, dynamically varying reactive power support, limits for Harmonic & DC current injection, Flicker limits, etc. (*Report of the Working Group in respect of data submission procedure and verification of compliance to CEA Regulations on Technical Standards for Connectivity to the Grid by RE generators published on CTU website*), to CTU within 30 days from final grant of Connectivity for signing of “Connectivity Agreement”. In case technical data provided is tentative, then final technical data shall be provided at least one (1) year prior to physical connection.

Place:

Name:

Date:

Designation:

FORMAT-GNA-INT-4

**INTIMATION FOR GRANT OF GNA FOR ENTITIES COVERED UNDER
REGULATION 17.2**

1	Intimation No.	:	CTU/Region/GNA-INT-4/Application no.
	Date	:	
2	Ref. Application No.	:	
	Date	:	
3	Name of the Applicant	:	
4	Address for Correspondence	:	
5	Nature of the Applicant	:	
	<ul style="list-style-type: none"> i. Generating station(s), including REGS(s), without ESS ii. Generating station(s), including REGS(s), without ESS through a lead generator ii. Generating station(s), including REGS(s), with ESS v. Generating station(s), including REGS(s), with ESS through a lead generator v. Generating station(s), including REGS(s), with ESS through a lead ESS vi. Captive generating plant ii. Standalone ESS ii. Standalone ESS through a lead generator x. Standalone ESS through a lead ESS x. Renewable Power Park developer xi. Renewable Energy generating station or standalone ESS through the electrical system of generating station or any entity already having Connectivity to ISTS 		
6	Details for General Network Access (GNA) requested		
a	Quantum (MW) of GNA	:	
b	Start date of GNA	:	

7	Details for General Network Access (GNA) granted		
a	Quantum (MW) of GNA	:	
b	Start date of GNA	:	
c	Transmission System for GNA	:	
d	Implementing Agency for transmission system required for GNA	:	
8	BGs and Charges		
	Conn-BG3 at Rs 2 Lakh/MW		
	Amount (in Rupees) of one time GNA charge at Rs 1 Lakh/MW to be submitted by grantee	:	

Note: General Network Access is granted to the ISTS subject to the following:

1. Conn-BG1, Conn-BG2 and Conn-BG3, as applicable, shall be furnished within 1 (one) month of intimation of respective grant of Connectivity, failing which the application for Connectivity shall be closed, and the application fee shall be forfeited and applicable Conn-BGs would be encashed as per the Regulation. No extension of time shall be granted to furnish the requisite bank guarantee, and in such case the Connectivity shall be revoked under intimation to the Connectivity grantee/applicant.
2. 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, 2021 and corresponding Detailed Procedure for Connectivity and GNA;
 - iii) CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007;
 - iv) CEA (Technical Standards for construction of Electrical Plants and Electric Lines) Regulations, 2010;
 - v) CEA (Grid Standard) Regulations, 2010;

- vi) CEA (Safety requirements for construction, operation and maintenance of Electrical Plants and Electrical Lines) Regulations, 2011;
- vii) CEA (Measures relating to Safety and Electricity Supply) Regulations, 2010;
- viii) CEA (Installation and Operation of Meters) Regulations, 2006;
- ix) CEA (Technical Standards for Communication System in Power System Operations) Regulations, 2020;
- x) CERC (Communication System for Inter –State transmission of Electricity) regulations, 2017;
- xi) CERC (Indian Electricity Grid Code) Regulations, 2010;
- xii) CEA (Cyber Security in Power Sector) Guidelines, 2021;
- xiii) Any other applicable Act / Rules / Guidelines / Standards / Regulations / Procedures etc.

Non-compliance of above shall be dealt with as per the relevant provisions stipulated.

3. 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.
 4. Connectivity grantee shall furnish progress of the monitoring parameters on quarterly basis in the format given at **FORMAT-CONN-STATUS-CG** by the last day of each quarter through the online facility developed on the CTU website. Procedure for online submission of status report of connectivity grantees is available on the CTU website.
 5. The dedicated line including terminal line bay at generator end shall be developed by the grantee at their own cost.
 6. Considering Right-of-Way near substation for termination of number of 400/ 220kV dedicated transmission lines, the connectivity grantees may coordinate among themselves for implementation of 400/ 220kV lines (as applicable) through multi circuit tower near the substation entry for about 2-3 kms stretches.
 7. 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 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.

8. Operation and maintenance expenses as well as transmission losses from the generator pooling station up to the ISTS sub-station shall be shared in proportion to the capacity of the renewable energy generating stations sharing the transmission infrastructure.
9. Connectivity grantee shall have to furnish technical data and requisite compliance as per **FORMAT-CONN-TD-1 / FORMAT-CONN-TD-2 / FORMAT-CONN-TD-3** (as applicable) in line with CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007 & amendment(s) thereof, including the provisions of LVRT/HVRT, active power injection control, dynamically varying reactive power support, limits for Harmonic & DC current injection, Flicker limits, etc. (*Report of the Working Group in respect of data submission procedure and verification of compliance to CEA Regulations on Technical Standards for Connectivity to the Grid by RE generators published on CTU website*), to CTU within 30 days from final grant of Connectivity for signing of "Connectivity Agreement". In case technical data provided is tentative, then final technical data shall be provided at least one (1) year prior to physical connection.
10. Grantee shall have to inform likely date of synchronization, likely quantum and period of injection of infirm power before being put into commercial operation to the SLDC/RLDC concerned at least one month in advance and obtain their concurrence for the same.
11. The Connectivity grantee shall furnish certificate issued by Electrical Inspectorate of CEA under Regulation 43 of the CEA (Measures relating to Safety and Electric Supply) Regulations, 2010 for the dedicated transmission line(s) and generator pooling station (s) within 10 days of receipt of same from CEA.

12. As per IEGC and CERC Order in Petition No: 420/MP/2014, Wind / Solar Generators are required to provide data acquisition system facility for transfer of data and information to concerned SLDC and RLDC.
13. Grantee shall provide details of Special Protection Scheme (SPS), if required, integrated into their system. In that event, details of SPS and its setting shall be worked out by the Grantee in consultation with respective RLDC and RPC.
14. Connectivity grantee shall provide Fibre Optic based communication system comprising OPGW cable (having minimum 12 Fibers) & hardware fittings for the dedicated transmission line and with FOTE (STM-16) terminal equipment, FODP, and approach cables at the Generating station. At ISTS station, the OPGW shall be terminated in Junction box to be mounted at Terminal Gantry by the Stage-II Connectivity grantee. The FOTE equipment, FODP and approach cable at ISTS station are to be provided by the bay owner, however, the grantee shall provide all necessary support to bay owner for successful commissioning of the communication system. The communication system shall facilitate telemetry data communication, voice communication and tele-protection. Wherever transmission line is routed through multi-circuit towers, an OPGW of 48 Fibers shall be considered in Multi-Circuit Portion. Further, the Connectivity grantee also needs to provide Phasor Measurement Units (PMU) at the generating station

Place:

Name:

Date:

Designation:

FORMAT-GNA-TRANS-INT-5

INTIMATION FOR USE OF GNA BY OTHER GRANTEE(S) UNDER REGULATION 23

1	Intimation No.	:	CTU/Region/GNA-TRANS-INT-5/Application no.
	Date	:	
2	Ref. Application No.	:	
	Date	:	
3	Name of the Applicant	:	
4	Address for Correspondence	:	
5	Nature of the Applicant		
	State Transmission Utility	:	
	Drawee entity connected to Intra-STS	:	
	Distribution Licensee connected to ISTS	:	
	Bulk Consumer connected to ISTS	:	
	Trading Licensee(only in terms of Cross Border Regulations)	:	
	Transmission Licensee connected to ISTS	:	
6	GNA details of Applicant		
A	Region where Applicant is connected to ISTS		
B	Quantum (MW) of GNA is granted (- sign for injection)	:	
	Quantum (MW) of GNA within the region	:	
	Quantum (MW) of GNA outside the region	:	
C	Start Date of GNA	:	
D	End Date of GNA(Not Applicable for STUs)	:	

7 GNA transfer details

Name of other GNA Grantee	Nature of other GNA Grantee	Quantum (MW) of GNA to be used			Period of usage of GNA (not exceeding 1 (one) year)	
		Total	Within Region	Outside region	From Date	To Date

8 Total GNA details for

Name of GNA Grantee	Nature of GNA Grantee	Quantum (MW) of GNA			Period of GNA	
		Total	Within Region	Outside region	From Date	To Date

Note: General Network Access is granted to the ISTS subject to the following:

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, 2021 and corresponding Detailed Procedure for Connectivity and GNA;
 - iii) CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007;

- iv) CEA (Technical Standards for construction of Electrical Plants and Electric Lines) Regulations, 2010;
- v) CEA (Grid Standard) Regulations, 2010;
- vi) CEA (Safety requirements for construction, operation and maintenance of Electrical Plants and Electrical Lines) Regulations, 2011;
- vii) CEA (Measures relating to Safety and Electricity Supply) Regulations, 2010;
- viii) CEA (Installation and Operation of Meters) Regulations, 2006;
- ix) CEA (Technical Standards for Communication System in Power System Operations) Regulations, 2020;
- x) CERC (Communication System for Inter –State transmission of Electricity) regulations, 2017;
- xi) CERC (Indian Electricity Grid Code) Regulations, 2010;
- xii) CEA (Cyber Security in Power Sector) Guidelines, 2021;
- xiii) Any other applicable Act / Rules / Guidelines / Standards / Regulations / Procedures etc.

Non-compliance of above shall be dealt with as per the relevant provisions stipulated.

2. That 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 GNA transaction.
3. The applicant/grantee shall be required to pay applicable ISTS transmission charges as per relevant CERC Regulations/Orders.

Only where NoC is required:

4. If NOC of concerned STU is not available or the NOC is not effective as on Start Date of GNA, the billing for payment of transmission charges shall be undertaken on the GNA grantee as per CERC Regulations, till such time NOC is made

available and becomes effective. The NOC with conditions would be considered effective only upon fulfillment of such conditions.

Place:

Name:

Date:

Designation:

FORMAT-GNA-REL-INT-6

**INTIMATION FOR RELINQUISHMENT OF GENERAL NETWORK ACCESS (GNA)
UNDER REGULATION 25**

1	Intimation No.	:	CTU/Region/GNA-REL-INT-6/Application no.
	Date :		
2	Ref. Notice No.	:	
	Date :		
3	Name of the GNA Grantee	:	
4	Address for Correspondence	:	
5	Nature of the Applicant		
	State Transmission Utility	:	
	Drawee entity connected to Intra-STS	:	
	Distribution Licensee seeking to connect to ISTS	:	
	Bulk Consumer seeking to connect to ISTS	:	
	Trading Licensee engaged in cross border trade	:	
	Transmission Licensee connected to ISTS	:	
6	Details for GNA granted		
a	Quantum (MW) of GNA (- sign for injection)	:	
b	Start date of GNA	:	
c	End Date of GNA (NA for STU)	:	
7	Details for relinquishment of GNA		
a	Quantum (MW) of GNA relinquished (- sign for injection)	:	
b	Date from which GNA relinquished	:	
c	Number of months for which GNA relinquished (NA for STUs)	:	

d	Transmission charges paid in last month corresponding to relinquished GNA	:	
e	Relinquishment Charges paid in advance	:	

Note: General Network Access is granted to the ISTS subject to the following:

1. That 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 GNA transaction.

Place:

Name:

Date:

Designation:

Appendix - A

Associated Transmission System (ATS) / Network Expansion

On receipt of applications from Generation projects and/or ESS as per eligibility under Regulation 4.1 for grant of Connectivity, the Nodal Agency shall carry out system studies for enabling transfer of such power over ISTS under GNA. The system studies may indicate that the above power could be transferred either with existing network (including transmission system awarded for implementation before completion of the interconnection study) or with augmentation of transmission system. The augmentation of transmission system may constitute following two components:

- a) Augmentation required for immediate evacuation of power of the Applicant(s), excluding terminal bay(s), which shall be considered as the Associated Transmission System (ATS) for the Applicant(s).
- b) Apart from ATS, the balance augmentation system shall be considered as common network expansion system for strengthening ISTS.

The considerations of ATS and network expansion system under different scenarios have been illustrated as under:

Case 1: New ISTS pooling station and transmission lines for a RE potential / group of generators

In this case, connectivity to a generation project / ESS is granted through new ISTS pooling station and associated transmission lines, planned for certain RE potential / group of generators. Here the transmission system viz. new pooling station and associated transmission lines, is for multiple generation projects and would be considered as network expansion system. The connectivity grantee would be liable for construction of dedicated line. The terminal bay of the dedicated line would be under ISTS or under the scope of connectivity grantee. The ATS for the connectivity grantee in this case would be considered as NIL.

Case 2: Transmission system for any individual generation project

The transmission system for any individual generation project may be planned under

following two categories:

- a) Dedicated transmission line from the generation project up to nearest ISTS station
- b) ISTS directly from the switchyard of the generation projects

In case of a) the dedicated transmission line would be under the scope of generation project. The terminal bay(s) of the dedicated transmission line would be under ISTS or under the scope of generation project. The ATS may constitute immediate system associated with the ISTS substation.

In case of b) there would be no dedicated line under the scope of generation project and the ATS for the generation project would be considered as NIL.

Case 3: System augmentation for a Bulk Consumer / Distribution Licensee

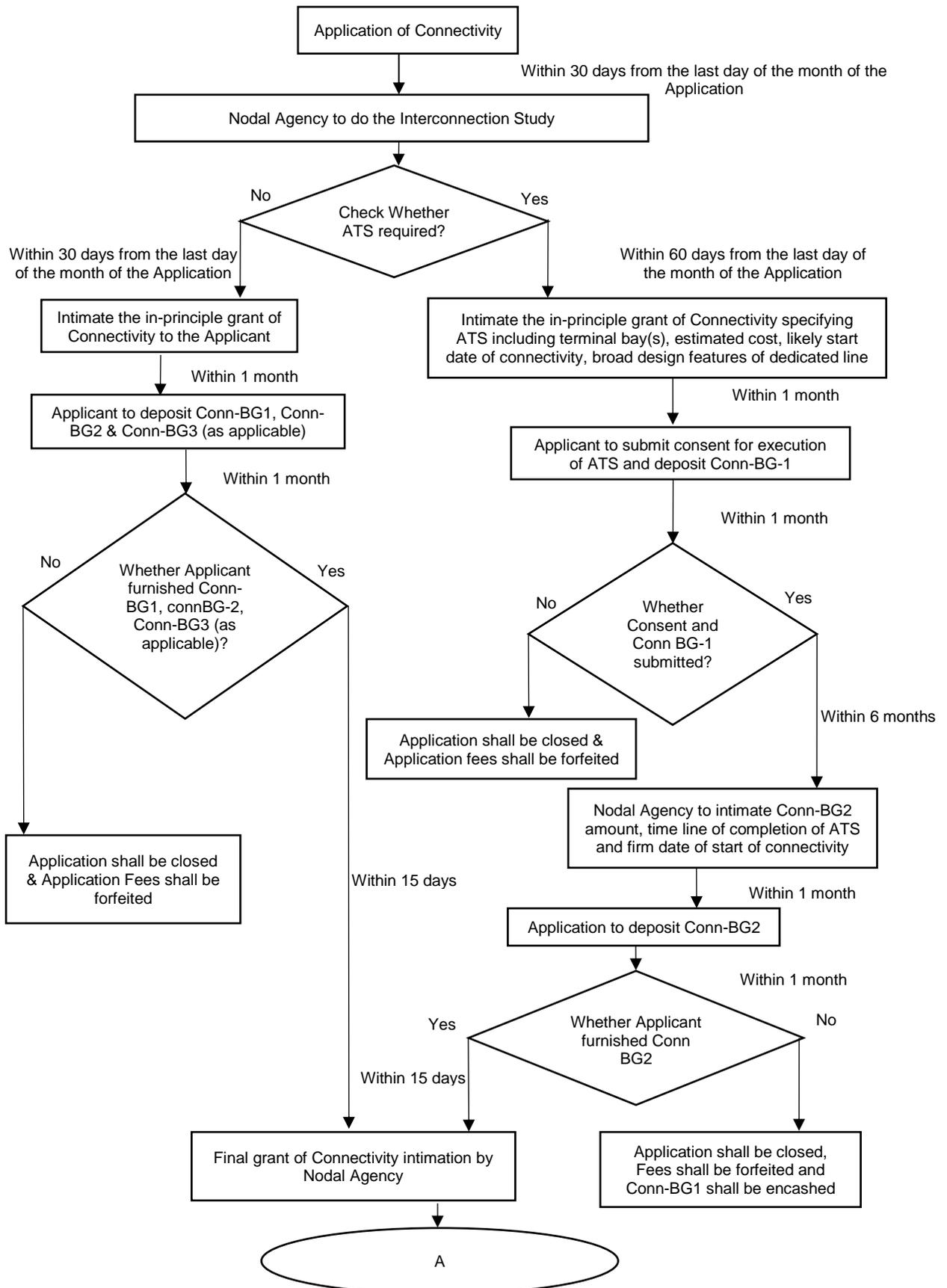
The transmission line from bulk consumer / distribution licensee to ISTS for grant of GNA shall be constructed and maintained by a licensee at the cost of respective bulk consumer / distribution licensee. In case, where the augmentation in ISTS is required solely for Bulk Consumer/Distribution Licensee, the same shall be constructed by a licensee at the cost of Bulk Consumer/Distribution Licensee.

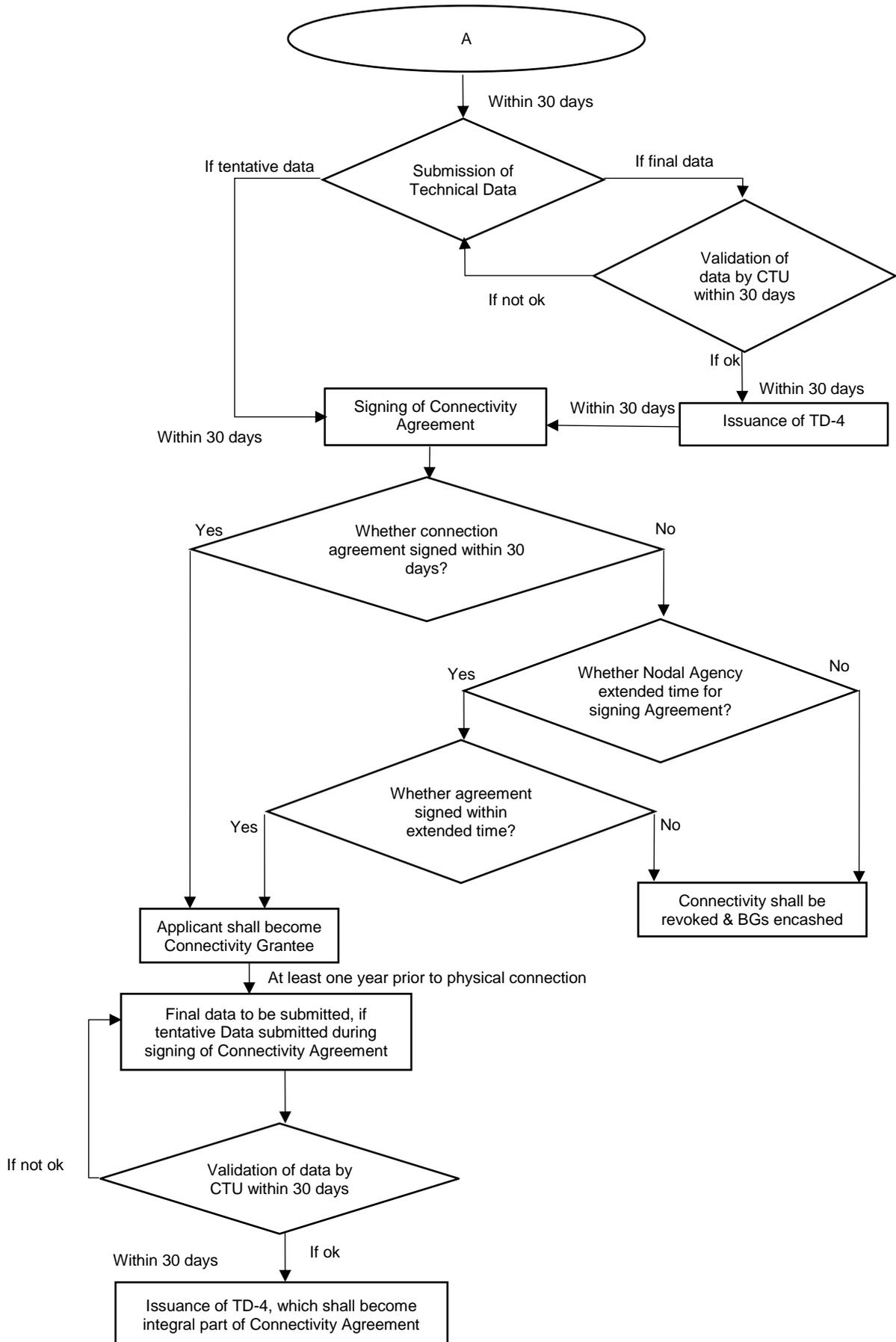
Connectivity Bank Guarantee(s) in cases where the ATS is 'NIL':

The cases where network expansion is required, however, the ATS is 'NIL' Conn-BG1 and Conn-BG2 [Rs. 2 Lakh/MW and for terminal bay(s) under ISTS as per Regulation 8.2 (a)] shall be submitted.

Appendix - B

Flowchart indicating processing of Connectivity application





Flowchart indicating arrangement for transition

