

carrying capacity of the DTL shall not be less than the capacity indicated 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,

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.

- iii. Depending on the topology and transmission system requirement, CTU may plan Loop-in Loop-out (LILO) of DTL of a Connectivity grantee without any cost implications to the Connectivity grantee whose DTL is being used for LILO, for providing the Connectivity to any generating station(s) at terminal bay of an ISTS substation already allocated to another Connectivity grantee or for some other reasons beneficial to system.

Provided that where connectivity is planned through LILO to grant Connectivity to a Connectivity applicant, an agreement (model agreement as per **FORMAT-CONN-SHARE**) shall be duly signed for sharing of DTL and/or terminal bay between the applicants/grantee.

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 only be permissible in accordance with Regulation 15 of GNA 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-TRANS-INT-3**.

16. Treatment of Connectivity Bank Guarantee

Treatment of Connectivity Bank Guarantee shall be in line with Regulation 16 of GNA 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 at the same terminal bay.

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 GNA Regulations.

18. Deemed Grant of GNA

Deemed Grant of GNA shall be in line with Regulation 18 of GNA Regulations. Towards this, following consideration shall be taken into account;

- 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 September 2022 under the 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. 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.
- v. 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 GNA Regulations.
- vi. 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.

19. Application by STU for Grant of additional GNA

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

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

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** (in offline mode) 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.

The application by entities covered under Regulation 17.1 (ii) for GNA shall be supported with **FORMAT-GNA-INTRA-NOC** from the concerned STU in terms of availability of transmission capacity in the Intra-State Transmission System for such quantum and period of GNA.

21. System Study by the Nodal Agency

The Nodal Agency, based on the applications received for grant of additional GNA, shall carry out system study in accordance with the Rules and Regulations made under the Act and Transmission Planning Criteria specified by CEA.

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

- (a) Grant of GNA to entities other than STU shall be in line with Regulation 22.2.
- (b) 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).
- (c) For entities covered under Regulation 17.1 (iv) applying GNA for injection into the Indian Grid shall comply with all requirement as applicable to entities under Regulation 4.1 and furnish Conn-BG-1, Conn-BG-2, Conn-BG-3, as applicable, 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. Further, for entities covered under Regulation 17.1 (iv) applying GNA for drawl from the Indian Grid shall comply with all requirements as applicable to entities under regulation 17.1(iii).
- (d) 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 grant of GNA shall be issued within 180 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).
- (e) Grant of GNA shall be as per **FORMAT-GNA-INT-4** for entities covered in Regulation 17.2.7.

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

Use of GNA granted to a GNA grantee by other GNA grantee(s) shall be in line with Regulation 23 of the GNA Regulations.

23.1.Applications:

The GNA grantee that intends to authorize the use of its GNA by other GNA grantee(s) shall apply to nodal agency as per **FORMAT-GNA-TRANS-APP-5** at least 45 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 concerned STU as per FORMAT-GNA-TRANS-NOC 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. from STU-2	No NoC
Drawee in STU-1	No NoC	NoC reqd. from STU-1	NoC reqd. from STU-2	No NoC
DL/BC in ISTS	No NoC	NoC reqd. from STU-1	NoC reqd. from STU-2	No NoC

DL: Distribution Licensee

BC: Bulk Consumer

TL: Transmission Licensee

The above are sample cases and are not exhaustive in nature.

23.2.Conditions:

- Due to the inherent limitations in the existing transmission system availability especially in the Inter-Regional system, transfer of GNA may be allowed in such a manner that sum of GNA from within the region and sum of GNA from outside the region for all entities located in a region (say NR, WR, ER, SR or NER) before and after the transfer shall remain same for both the entities. Accordingly, transfer of GNA shall be allowed among

entities located within a region only.

For example: Suppose in Northern Region there are 5 states who have following GNA within the region and outside the region:

State	GNA within region	GNA from outside the region
A	8000 MW	2000 MW
B	5000 MW	3000 MW
C	2000 MW	1000 MW
D	4000 MW	500 MW
E	6000 MW	3000 MW
Total	25000 MW	9500 MW

The transfer may be allowed among above States such that after transfer total Sum of within the region shall be 25000 MW and outside the region shall be 9500 MW. This is subject to transmission system availability.

- 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 of the GNA Regulations. The Connectivity grantee shall issue a notice of 30 days to the CTU as per **FORMAT-CONN-REL-4**. CTU shall issue intimation as per **FORMAT-CONN-REL-INT-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 of the GNA Regulations. The Connectivity grantee shall issue a notice of 30 days to the CTU 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-B**.

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

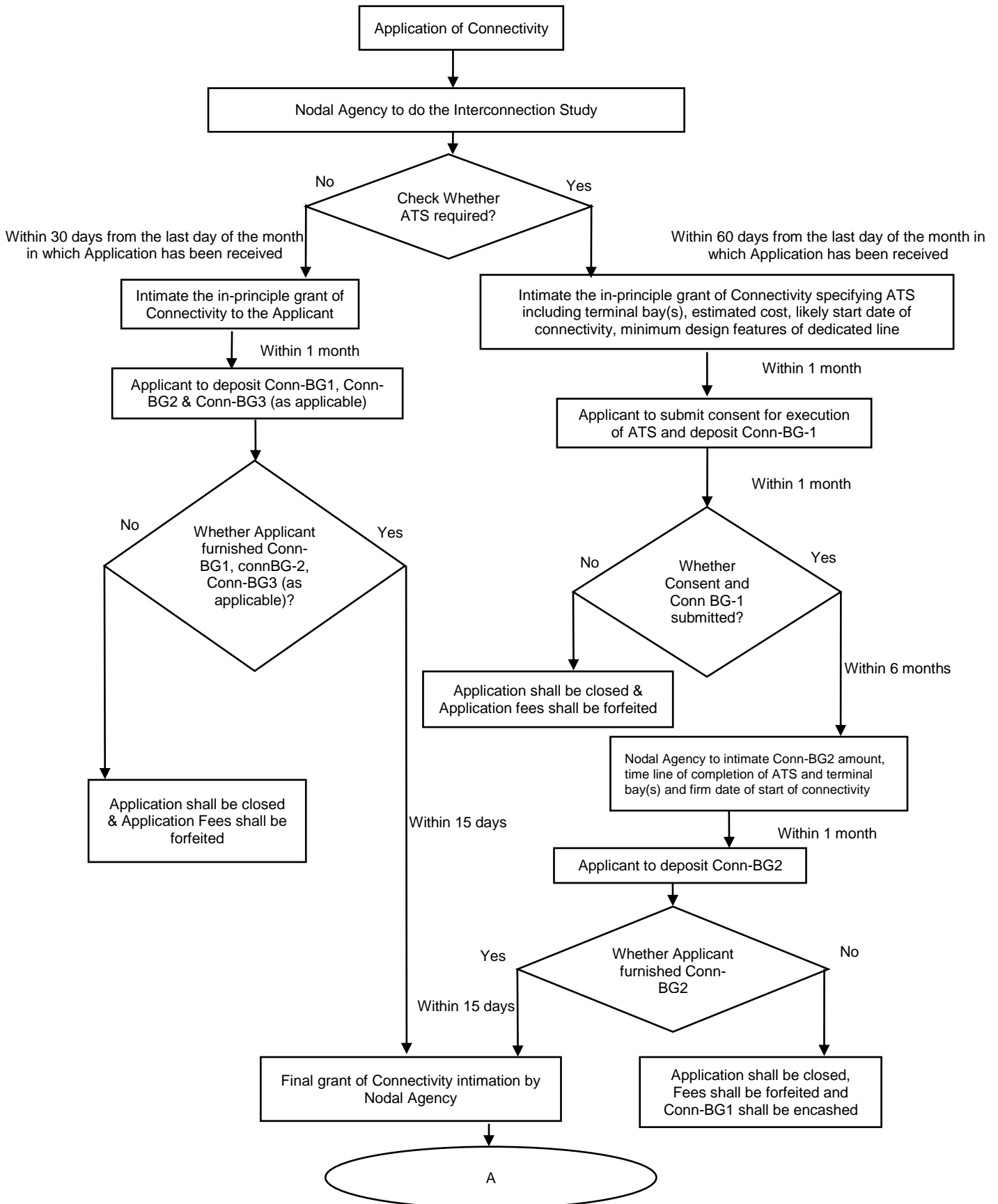
- ii. For the purpose of transition, Connectivity shall be considered effective as per following:
 - a. If LTA is effective, corresponding Connectivity quantum shall be considered effective.
 - b. If there is no LTA or LTA is not effective, Connectivity shall be considered effective for the capacity of generation connected to the grid and declared commercial operation.
- iii. In case LTOA has been granted to entity under the CERC Regulations 2004, Connectivity quantum shall be the total LTOA granted under the CERC Regulations 2004 to such entity. Further, the deemed GNA shall be equal to persisting firm LTOA.
- iv. 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 needs to have a GNA at its injection point for its power to get scheduled in terms of Grid Code. The Connectivity or LTA already obtained from such generating stations shall be treated in terms of Regulation 37 of the GNA Regulations.
- v. In case, LTA or LTOA has been granted to CGS, the arrangement for transition shall be as per Regulation 37 of the GNA Regulations.
- vi. All entities shall have the option of conversion or surrender of balance capacity (Connectivity-deemed GNA) of the project as per Regulation 37 of the GNA Regulations.
- vii. One-time GNA charges shall not be payable by entities for quantum for which Connectivity /Stage-II Connectivity for specified entities) is effective under the 2009 Connectivity Regulations.
- viii. Entities covered under Regulation 37.6 (1)(b) of the GNA Regulations shall submit the applicable CONN-BG(s) within one (1) month from the date of

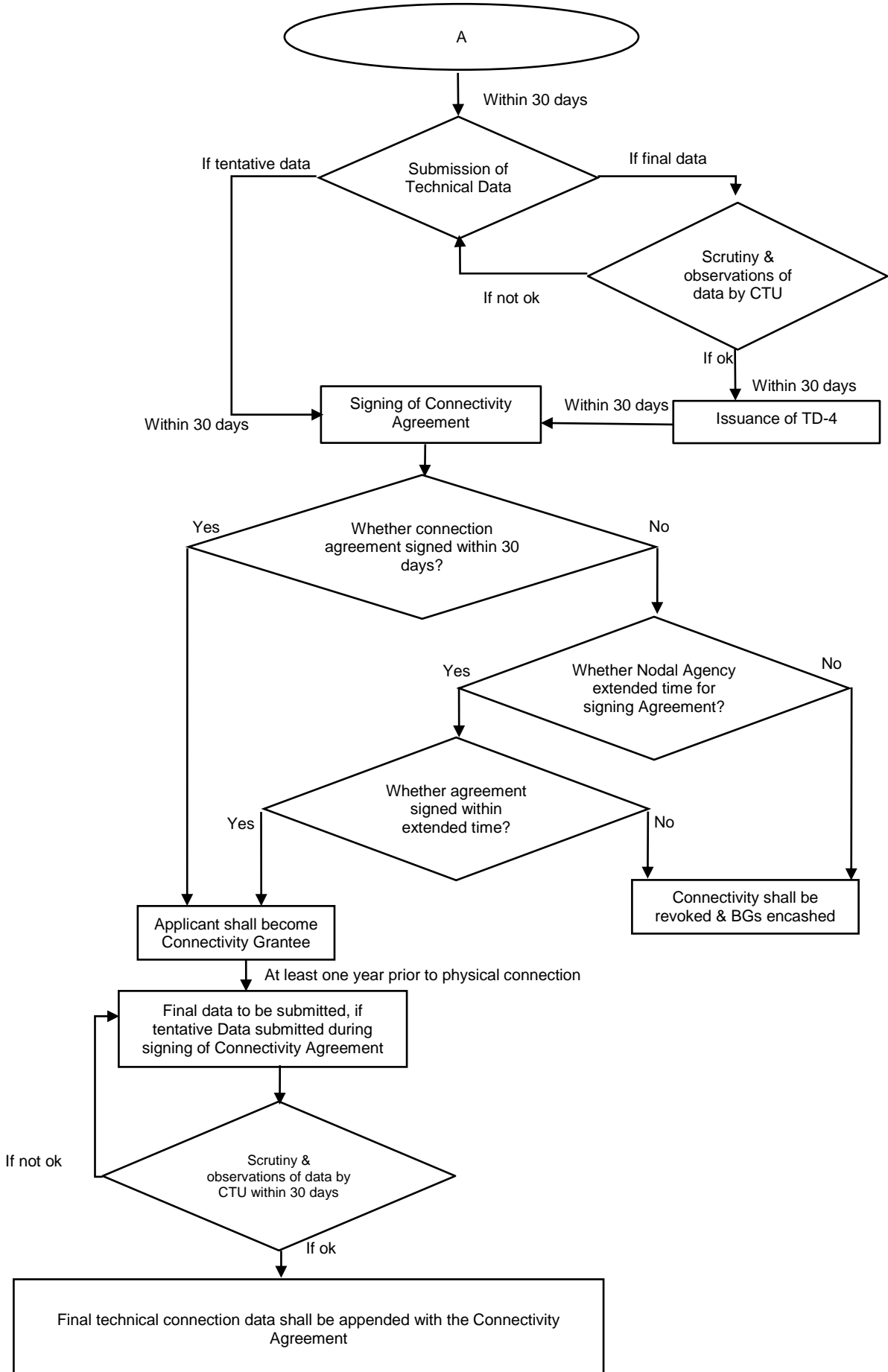
intimation of amount by Nodal Agency and processing shall be in terms of Regulation 8.3.

- ix. Entities covered under Regulation 37.6(2) of the GNA Regulations shall submit the CONN-BG3 within one (1) month from the date of intimation of amount by the Nodal Agency, failing which such entity shall not be entitled to schedule power under GNA.
- x. Stage-I connectivity applicants/grantees under the 2009 Connectivity regulations who have not applied for Stage-II connectivity , shall not be considered for transition under Regulation 37 of GNA Regulations since the Connectivity process for them is not complete as they have not applied for Stage-II Connectivity. They may apply afresh as per GNA Regulations and the application fees submitted for Stage-I Application shall be adjusted. Their inter-se priority shall be determined with reference to their date of application under GNA Regulations.

Appendix - A

Flowchart indicating processing of Connectivity application





Flowchart indicating arrangement for transition

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