

TRANSMISSION CORPORATION OF TELANGANA LIMITED

Sub: Guidelines for entering into Connection Agreement as per TSERC Regulation 4 of 2018 (State Electricity Grid Code Regulation-2018) – Issued–Regarding.

T.O.O (CE/Comml & RAC) Ms. No. 1555

Dated: 20-01-2023

1. The Hon'ble TSERC has issued TSERC (State Electricity Grid Code) Regulation, 2018 and the same is notified in Telangana Gazette on 28.12.2018. As per Part C (Connection Code), Clause 15 of TSEGC Regulation, the STU Shall prepare a model connection agreement for the following cases and place it before the commission for approval. Upon approval by the Commission, the same shall be signed by the users within 3 months.
Case-I: - Generator with STU/Transmission Licensee/respective DISCOM depending on voltage level.
Case-II: - Transmission Licensee/Discom with STU.
Case-III: - A DISCOM Consumer (Bulk load consumer) with DISCOM irrespective of voltage level.
2. Accordingly, a committee was formed comprising the following officials from TRANSCO and from both DISCOMs with CE/Commercial&RAC as convener and DE/MRT Vigilance/TSTRANSCO as coordinator to frame the modalities for the Model Connection Agreement as per clause 15.1 of TSERC Regulation 4 of 2018.

1.	Chief Engineer/Transmission
2.	Chief Engineer/SLDC
3.	Chief Engineer/Construction
4.	Chief Engineer/Power Systems
5.	Chief Engineer/Metro Zone
6.	FA & CCA/Accounts/TSTRANSCO
7.	Chief General Manager (IPC & RAC)/TSSPDCL
8.	Chief General Manager (IPC & RAC)/TSNPDCL

3. A draft model connection agreement was prepared in consultation with M/s KPMG (Consultant) based on the suggestions/remarks obtained from the committee members and the same was submitted to TSERC for its approval and the Hon'ble TSERC has accorded approval to the draft Model Connection Agreement submitted by TSTRANSCO vide their letter dated 25.10.2022.
4. In view of the above, the users connected to TSTRANSCO sub-stations shall have to enter into connection agreement with Chief Engineer/Commercial & RAC/TSTRANSCO on behalf of STU (TSTRANSCO).The concerned SE/OMCs of TSTRANSCO are authorized to inspect the interconnection facilities& ensure safety to connected grid and certify the Site Responsibility Schedules. Based on the certification by concerned SE/OMC, the CE/Commercial & RAC/TSTRANSCO shall sign the Connection Agreement at headquarters. For the Generators/Bulk Consumers connected to 33/11kV substations, concerned Discoms may enter into connection agreement.

- i. The agreement will be entered into between various parties as per the below table.

Sl.No.	Case of Connection	Type of User	Parties to the Agreement	Annexure
1	Case 1(G1): System Voltage at 132kV and above	Generator	TS TRANSCO and Generator	Annexure 1
2	Case 1(G2): System Voltage at 33kV	Generator connected at 33kV Side of 132/33kV Substation	TS TRANSCO, TS Discoms, and Generator	Annexure 2
3	Case 1(G3) System Voltage at 33kV	Generator connected at 33kV Side of 33/11kV Substation	TS Discoms and Generator	Annexure 3
4	Case 2 (T): System Voltage at 132kV and above	Transmission Licensee	TS TRANSCO and other Transmission Licensee	Annexure 4
5	Case 2 (D): System Voltage at 33kV and above	Distribution Licensee	TSTRANSCO and Distribution Licensee	Annexure 5
6	Case 3(C): System Voltage at 33 kV and above	<ul style="list-style-type: none"> ▪ Bulk Load Consumer connected at 132kV and above ▪ Bulk load Consumer connected at 33kV side of 132/33kV Substation 	TSTRANSCO, TS Discoms and Bulk Load Consumer	Annexure 6

Table: Applicability of Connection Agreement

Further, the bulk consumers, who have in-house captive generation facilities and intend to supply surplus power to grid for sale or banking, shall enter into a connection agreement applicable for a generator and the boundary meters shall be at the TSTRANSCO/TS DISCOM (whichever is applicable) grid substation premises. In case of bulk consumers who intend to utilize the entire captive generation and not supply power to the grid, those consumers can enter the agreement applicable to bulk consumers.

(The Connection Agreements for the above six cases are uploaded to TSTRANSCO website.)

- ii. For new generator connection, the connection agreement is to be concluded before synchronization of the Generator.
- iii. For new consumers, the connection agreement is to be concluded before extending of supply to the consumer.
- iv. As per TSERC Regulation, for existing generators and consumers, the connection agreement is to be entered within 3 months from date of approval of the Model Connection agreement by the regulatory commission.
- v. However, in order to give sufficient time, Connection agreement will be mandatory for availing any service from TSTransco/Discom such as availing open access or for getting additional load and for entering into PPA with Discoms etc. after six (6) months' time from the date of issue of this T.O.O.
- vi. The articles and clauses in the connection agreement shall be selected based on the above table as per applicability.

5. Applicability of Bay and Line Maintenance charges:

- i. For Generators: As per the Electricity act, Generators shall establish, operate and maintain the lines and thus line maintenance comes under the scope of Generator. However, in the case where generators request TSTRANSCO/TSDISCOMS to maintain the lines, line maintenance charges shall be levied.
Bay maintenance charges shall be levied as the terminating bay falls under the premises of TSTRANSCO/TSDISCOM Sub-stations.
- ii. For Large Generating stations such as TSGENCO, NTPC, STPP (Singareni) where evacuation lines are laid by TSTRANSCO, no bay and line maintenance charges shall be levied.
- iii. For Bulk Consumers: As the lines and bays are deemed to be the property of licensees i.e., TSTRANSCO/TSDISCOMs, no bay and line maintenance charges shall be levied.
- iv. For In-house captive users who intend to utilize the entire captive generation and not supply power to the grid, no bay and line maintenance charges shall be levied.
- v. For In-house captive users who intend to supply surplus power to grid for sale or banking, bay and line maintenance charges shall be levied for that financial year.
- vi. For other Transmission Licensees: Line maintenance charges shall not be levied as the lines are owned by Transmission Licensees whereas bay maintenance charges shall be levied as the terminating bay falls under the premises of TSTRANSCO.
- vii. For Distribution Licensees: No bay and line maintenance charges shall be levied.

6. These orders are issued as per the concurrence of the Joint Managing Director on 13.01.2023.
7. These orders are also available on TSTRANSCO website and can be accessed at the address <https://www.tstransco.in>.

(BY ORDER AND IN THE NAME OF TRANSMISSION CORPORATION OF
TELANGANA LIMITED)

D. PRABHAKAR RAO
CHAIRMAN & MANAGING DIRECTOR
TSTRANSCO

To:

The Chief Engineer/ Commercial & RAC/ TSTRANSCO /VS/Hyderabad.

Copy to:

The Chief Engineer/IT/TSTRANSCO/VS/Hyderabad.

The Chief Engineer/Transmission/ TSTRANSCO /VS/Hyderabad

The Chief Engineer/SLDC/ TSTRANSCO/VS/Hyderabad

The Chief Engineer/Power Systems/ TSTRANSCO/VS/Hyderabad

The Chief Engineer/Construction/ TSTRANSCO/VS/Hyderabad

The Chief Engineer/400kV/TSTRANSCO/VS/Hyderabad

FA&CCA(Accounts)&CFO/TSTRANSCO/VS/Hyderabad

The Chief Engineer /TSTRANSCO / Metro Zone, Rural Zone, Karimnagar Zone & Warangal Zone

The Chief General Manager /IPC & RAC /TSSPDCL & TSNPDCL

The Chief General Manager/Commercial/TSSPDCL & TSNPDCL

SE/Technical to Chairman & Managing Director/ TSTRANSCO

DE/MRT Vigilance/TSTRANSCO

DE(T) to Director (Transmission)/ TSTRANSCO/ VS/ Hyderabad

DE(T) to Director (Projects)/ TSTRANSCO/ VS/ Hyderabad

ADE (T) to Director (LIS)/ TSTRANSCO/ VS/ Hyderabad

AE (T) to Director (Grid Operation)/ TSTRANSCO/ VS/ Hyderabad

PS to Joint Managing Director (Finance, Comml& HRD)/TSTRANSCO

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