



TELANGANA STATE ELECTRICITY REGULATORY COMMISSION
5th Floor, Singareni Bhavan Lakdi-ka-pul Hyderabad 500 004

Draft Intra-state Open Access Regulation for inviting comments/objections from stakeholders/general public for finalization Telangana State Electricity Regulatory Commission (*Terms and conditions of Open Access*), Regulation, 2023

1. Background:

Telangana State Electricity Regulatory Commission (hereinafter referred to as TSERC or the Commission) was constituted by the Government of Telangana State (GoTS) in terms of the provisions of Schedule XII (C) (3) of the A.P. Reorganisation Act of 2014 read with Section 82 of the Electricity Act, 2003 (Act) vide G.O.Ms.No.3, Energy (Budget) Department, dated 26.07.2014. This Commission had notified TSERC (Adoption) Regulation No.1 of 2014 on 10.12.2014 for adoption of previously subsisting regulations, decisions, directions or orders, licenses and practice directions, as such, all the Regulations framed by the erstwhile APERC shall continue to apply for the State of Telangana including the following Regulations relating to the Open Access:

- i) Terms and Conditions of Open Access, Regulation, 2005 [Regulation No.2 of 2005];
- ii) Interim Balancing and Settlement Code, Regulation, 2006 [Regulation No.2 of 2006];
- iii) Interim Balancing and Settlement Code for Open Access Transactions, First Amendment Regulation, 2013 [Regulation No.1 of 2013];
- iv) Interim Balancing & Settlement Code for Open Access Transactions, Second Amendment Regulation, 2014 [Regulation No.2 of 2014];

Subsequently, this Commission has notified the Third Amendment Regulation, 2017, viz.

- i) Interim Balancing and Settlement Code for Open Access Transactions, Third Amendment Regulation, 2017 [Regulation No.1 of 2017];

Whereas, TSSPDCL in its petition O.P.(SR) No.10 of 2020 has sought amendments to certain clauses of Interim Balancing and Settlement Code, Regulation [Regulation No.2 of 2006] as amended from time to time, relating to the Banking facility for solar, wind and mini hydel renewable energy sources.

Ministry of Power, Government of India on 06.06.2022 has notified the Electricity (Promoting Renewable Energy Through Green Energy open access) Rules, 2022 which stipulates that “to provide Green Energy open access to consumers of green energy, the appropriate Commission may, if necessary, amend the relevant regulations made by it and such regulations shall be consistent with these rules”.

The Commission is in the process of having its own consolidated and comprehensive open access Regulation has prepared the Draft Open Access Regulation on

Telangana State Electricity Regulatory Commission (*Terms and conditions of Open Access*), Regulation, 2023. The Commission intends to have the comments and suggestions of the DISCOMs, TSTRANSCO, TSSLDC, general public and interested consumers on the above Draft Open Access Regulation.

2 Definitions

2.1 In this Regulation unless the context otherwise requires;

- a) '**Act**' means the Electricity Act, 2003 (36 of 2003) and its subsequent amendments thereof;
- b) '**Applicant**' means a person who makes an application to the Nodal Agency for open access and includes any person engaged in generation, a licensee or any consumer eligible for open access under this Regulation;
- c) "**Available capacity**" means the capability in megawatts (MW) or kilowatts (kW) of a transmission or distribution network to transfer power from one point to the other, after deducting the power requirements of already committed users;
- d) '**Banking**' means a facility through which the unutilised portion of energy (underutilisation or excess generation over and above scheduled wheeling) from any of the renewable energy sources, during a billing month is kept in separate account and such energy accrued shall be treated in accordance with the clause 33 of this Regulation;
- e) '**Billing month**' means as prescribed in Electricity Supply Code Regulation (No. 5 of 2004) as amended from time to time;
- f) '**Captive Generating Plant**' or '**Captive Power Plant**' or '**CPP**' means a captive generating plant as defined in the Act read with Rule 3 of Electricity Rules, 2005;
- g) '**Captive User**' shall mean the end user of the electricity generated from its own Captive Generating Plant and the term "Captive Use" shall be construed accordingly;
- h) '**Central Commission or CERC**' means the Central Electricity Regulatory Commission referred to in Section 76 of the Act;
- i) '**Central Nodal Agency**' means a Central Nodal Agency as notified by the Central Government to set up and operate a single window green energy open access system for renewable energy;
- j) '**Commission or TSERC**' means the Telangana State Electricity Regulatory Commission referred to in Section 82 of the Act;
- k) '**Contracted capacity**' in the context of open access for supply to consumers means the capacity contracted in megawatts (MW) or kilowatts (kW) for transmission and /or wheeling to a consumer under open access ;
- l) '**Day**' means the day starting at 00:00 hours and ending at 24:00 hours;
- m) '**Distribution Licensee**' or '**DISCOM**' means a licensee authorised to operate and maintain a distribution system for supplying electricity to the consumers in his area of supply;
- n) '**Electricity Rules, 2005**' means the Rules notified by the Central Government vide G.S.R 379 (E) dated 8th June, 2005 as amended from time to time;

- o) **'Entry point'** means a point at which electricity is injected into the electricity transmission network or the electricity distribution network ;
- p) **'Exit point'** means a point at which electricity is drawn from the electricity transmission network or the electricity distribution network ;
- q) **"Green Energy"** means the electrical energy from renewable sources including Hydro and Storage (if the storage uses Renewable Energy) or any other technology as may be notified by Government of India from time to time and also include any mechanism that that uses green energy to replace Fossil fuels including production of Green Hydrogen or Green Ammonia as per provision of clause –G of sub-rule-(2) of rule(4) of Electricity (Promoting Renewable Energy through Green Energy Open Access)Rules,2022 and its amendments;
- r) **"Green Energy Open Access"** means providing open access to the consumers of Green Energy as prescribed in Rule 5 of Electricity (Promoting Renewable Energy through Green Energy Open Access) Rules, 2022;
- s) **"Green Energy Open Access Consumer"** means the open access consumer for the amount of Green Energy that is being drawn through open access;
- t) **" Green Energy Open Access (OA) Rules"** means Electricity (Promoting Renewable Energy through Green Energy Open Access) Rules, 2022 and its subsequent amendments;
- u) **'Indian Electricity Grid Code or IEGC'** means the Code specified by the Central Commission under clause (h) of sub-section (1) of Section 79 of the Act and as amended from time to time;
- v) **'Intra-state Transmission System or In-STTS'** means the transmission system within the Telangana State.
- w) **'Losses'** means the energy losses in percentage for an EHT system as a single system and for all other voltage levels, the losses in percentage as provided in the applicable Tariff Order of the Commission, or the actual levels of energy losses as provided in this Regulation.
Explanation –
(i) If the wheeling of electricity is through the distribution system of more than one distribution licensee or if the Entry/Exit point is connected to EHT system, the losses would include the transmission loss and the distribution loss up to the voltage level of the distribution licensee in whose area of supply such exit/entry point (whichever is lower) is located.
(ii) If the entry and exit points are located within the distribution system (33 kV and below) of the same distribution licensee, the losses would include only the distribution loss of the distribution licensee up to the voltage level at the relevant exit or the entry point(s), whichever is lower.
- x) **'Nodal Agency'** means the entities referred to in clause 5 of this Regulation;
- y) **'Open access agreement'** means an agreement entered into between a licensee and the applicant to avail open access to the licensee's network for transmission and / or wheeling of electricity;
- z) **'Open Access Consumer'** or **'OA Consumer'** means a consumer not having a supply agreement with the distribution licensee in whose area of supply the consumer is located, but availing or intending to avail supply of

energy from a person other than that distribution licensee under the Open Access Regulation and includes a consumer availing wheeling facility for carrying the electricity from his captive generating plant to the destination of his own use without having a supply agreement with the distribution licensee of the area in which the consumer's premises is located.

- aa) '**Open Access Generator**' means a generating company using or intending to use the transmission system and / or the distribution system of the licensees in the State for supply of electricity to a Scheduled Consumer or OA Consumer under the Open Access Regulation.
- bb) '**Renewable Energy**' means the grid quality electricity generated from Renewable Energy sources as may be defined in TSERC Orders or TSERC Regulations governing Renewable Energy;
- cc) '**Scheduled Consumer**' means a consumer who has a supply agreement with the distribution licensee in whose area of supply the consumer is located and also has a supply agreement with a person other than the distribution licensee under the Open Access Regulation and includes a consumer of a distribution licensee who also avails of wheeling facility for carrying the electricity from his captive generating plant to the destination of his own use.
- dd) '**State**' means the State of Telangana.
- ee) '**State Nodal Agency**' or '**SNA**' means State Nodal Agency for grant of long-term, medium-term and short-term green energy open access as specified in clause 5 of this Regulation.
- ff) '**Time Block**' means a block of fifteen (15) minutes each or any other time block as specified by the Commission for which special energy meters record values of specified electrical parameters with the first time block starting 00:00 hours.
- gg) '**User**' or '**Open access user**' means a person using or intending to use the transmission system and / or the distribution system of the licensees in the state for receiving supply of electricity from a person other than the distribution licensee of his area of supply, and the expression includes a generating company and licensee.
- hh) '**Wheeling schedule**' means the schedule for a fifteen (15) minute time block or any such shorter duration as may be notified by the Commission provided by the Scheduled Consumer, an OA Consumer or an OA Generator, to the SLDC, pursuant to clause 24 of this Regulation, read with clause 26.
- ii) '**Special Energy Meters or SEM**' means meters installed in accordance with the Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006, as amended from time to time;
- jj) '**State Electricity Grid Code or SEGC**' means the Code specified by the Commission under clause (h) of sub-section (1) of Section 86 of the Act and as amended from time to time;
- kk) '**State Transmission Utility or STU**' means the 'Transmission Corporation of Telangana Limited or TSTRANSCO' or the Government Company notified by the Government of Telangana State under sub-section (1) of Section 39 of the Act;

- l) **'Telangana State Load Despatch Centre or TSSLDC'** means the State Load Despatch Centre established in the Telangana State under sub-section (1) of Section 31 of the Act;
 - mm) **'Transmission Licensee'** means any person licensed under Part IV of the Act for transmission of electricity;
 - nn) **'Working Day'** means such day which is not declared as a gazetted general holiday by the State Government;
 - oo) **'Year'** means a financial year from 1st April of a calendar year to 31st March of the following calendar year;
- 2.2 Words and expressions used herein and not defined in this Regulation but defined in the Act or Indian Electricity Grid Code or the State Electricity Grid Code shall have the meaning assigned to them under the Act or IEGC or State Electricity Grid Code as the case may be.

3. Applicability

- 3.1 This Regulation shall apply to Open Access Users for use of intra-State transmission system (In-STS) and/or distribution system(s) in the Telangana State, including when such system is used in conjunction with inter-State transmission system.
- 3.2 This Regulation shall apply to Open Access Generators, Scheduled Consumers and OA Consumers.

PART-A

GENERAL PROVISIONS OF OPEN ACCESS

4. Categorization of open access users

The open access users of the transmission and/or distribution system(s) shall be classified as follows:

- (a) **Long-Term Open Access User:** Any user of the transmission and/or distribution system(s) entering into an open access agreement with the concerned licensee(s) for a period exceeding seven (7) years but not exceeding twenty five (25) years shall be categorised as a Long-Term Open Access User.
- (b) **Medium-Term Open Access User:** Any user of the transmission and/or distribution system(s) entering into an open access agreement with the concerned licensee(s) for a period exceeding three (3) months but not exceeding five (5) years shall be categorised as a Medium-Term Open Access User.
- (c) **Short-Term Open Access User:** Any user of the transmission and/or distribution system(s) entering into an open access agreement with the concerned licensee(s) for a period not exceeding one (1) month at a time shall be treated as Short-term open access user.
- (d) **Green Energy Open Access Consumer :** Any user of the transmission and/or distribution system(s) entering into an open access agreement with the concerned licensee(s) for availing green energy open access;

5. Nodal Agency

5.1 For all long-term and Medium-term open access transactions, the Nodal Agency for receiving and processing applications shall be the State Transmission Utility (STU). For all long-term and Medium-term green energy open access transactions, the State Nodal Agency shall be the State Transmission Utility (STU).

5.2 For short-term open access transactions, the Nodal Agency for receiving and processing applications shall be the State Load Dispatch Centre (SLDC). The SLDC shall, however, allow short-term open access transactions only after consulting the concerned transmission and/or distribution licensee(s) whose network(s) would be used for such transactions:

Provided that for short-term transactions with duration of less than one week, the SLDC may not consult the concerned licensees for permitting such transactions. The SLDC and Licensees shall devise procedures for coordination among themselves for allowing such short-term transactions.

5.3 TSSLDC shall operate as the SNA for grant of short-term green energy open access.

SNA shall co-ordinate with transmission licensees including STU and the Distribution Licensees to make available all relevant information regarding green energy open access to the public on the portal of Central Nodal Agency.

5.4 All the applications related to green energy open access shall be submitted to the portal set up by the Central Nodal Agency. The applications shall be routed to State Nodal Agency (SNA) by the Central Nodal Agency.

Consumer or Generating Station or Distribution Licensee seeking Transmission and/or Distribution Open Access

Table-1									
Consumer connected to Distribution System									
Sl. No.	Period	Injection Point	Drawal Point	Nodal Agency	Application Fee (Rs)	Documents to accompany the application	Time Frame for disposal of application (days from receipt of application/closure of window in complete shape)	Applicable charges	Applicable losses
1)	Short Term Open Access (STOA)	Connected to the network of a Distribution licensee in Telangana State	Connected to the network of same Distribution licensee in Telangana State	TSSLDC	5,000	<ul style="list-style-type: none"> • Copy of Supply Agreement if applicable, • Copy of latest electricity bill if applicable, • Proof of payment of application fee, • Consent from concerned distribution licensee, • Consent from Seller if Buyer is the Applicant, or consent from Buyer if Seller is the Applicant; • Copy of Memorandum of Association and Chartered Accountant's certificate of shareholding pattern, if power is sought under captive mode; • Special Energy Meter (SEM) commissioning certificate, if already installed; 	<ul style="list-style-type: none"> • Upto one day: 12 hours. • Upto one week: Two days. • Upto one month: Seven days. 	<ul style="list-style-type: none"> • Wheeling Charge, • Cross Subsidy Surcharge if applicable, • Additional surcharge, if any • Stand-by charges, if any • Imbalance and Reactive Energy Charges, as applicable. 	<ul style="list-style-type: none"> • Distribution loss in kind at relevant voltage level.

Table-1

Consumer connected to Distribution System

Sl. No.	Period	Injection Point	Drawal Point	Nodal Agency	Application Fee (Rs)	Documents to accompany the application	Time Frame for disposal of application(days from receipt of application/closure of window in complete shape)	Applicable charges	Applicable losses
2)		Connected to the network of a Distribution licensee in Telangana State	Connected to the network of another Distribution licensee in Telangana State	TSSLDC	5,000	<ul style="list-style-type: none"> • Copy of Supply Agreement if applicable, • Copy of latest electricity bill if applicable, • Proof of payment of application fee, • Consent from concerned distribution licensees, • Consent from Seller if Buyer is the Applicant, or consent from Buyer if Seller is the Applicant; • Copy of Memorandum of Association and Chartered Accountant's certificate of shareholding pattern, if power is sought under captive mode; • Special Energy Meter (SEM) commissioning certificate, if already installed; 	<ul style="list-style-type: none"> • Upto one day: 12 hours. • Upto one week: Two days. • Upto one month: Seven days. 	<ul style="list-style-type: none"> • Intra-state Transmission charges, • Wheeling Charge, • Cross Subsidy Surcharge if applicable, • Additional surcharge, if any • Stand-by charges, if any, • Imbalance and Reactive Energy Charges, as applicable, • Scheduling and system Operating Charges as applicable. 	<ul style="list-style-type: none"> • Distribution loss in kind at relevant voltage level in respect of both distribution licensees, • Intra-state Transmission losses in kind.
3)		Connected to Intra-state transmission	Connected to the network of a	TSSLDC	5,000	<ul style="list-style-type: none"> • Copy of Supply Agreement if applicable, 	<ul style="list-style-type: none"> • Upto one day: 12 hours. 	<ul style="list-style-type: none"> • Wheeling charges, 	<ul style="list-style-type: none"> • Distribution loss in kind at

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Consumer connected to Distribution System									
Sl. No.	Period	Injection Point	Drawal Point	Nodal Agency	Application Fee (Rs)	Documents to accompany the application	Time Frame for disposal of application(days from receipt of application/closure of window in complete shape)	Applicable charges	Applicable losses
		system in Telangana State	Distribution licensee in Telangana State			<ul style="list-style-type: none"> •copy of latest electricity bill if applicable, •Proof of payment of application fee, •Consent from concerned distribution licensee, •Consent from Seller if Buyer is the Applicant, or consent from Buyer if Seller is the Applicant; •Copy of Memorandum of Association and Chartered Accountant's certificate of shareholding pattern, if power is sought under captive mode; •Special Energy Meter (SEM) commissioning certificate, if already installed; 	<ul style="list-style-type: none"> •Upto one week: Two days. •Upto one month: Seven days. 	<ul style="list-style-type: none"> •Intra-state Transmission charges, •Cross Subsidy Surcharge if applicable , •Additional surcharge, if any •Stand-by charges, if any, •Imbalance and Reactive Energy Charges, as applicable, •Scheduling and system Operating Charges as applicable. 	<ul style="list-style-type: none"> relevant voltage level. •Intra-state transmission losses in kind.
4)		Other than Telangana State	Connected to the network of a Distribution licensee in	RLDC of the region where applicant is located, as	As per CERC Open Access Regulations.	<ul style="list-style-type: none"> •Copy of Supply Agreement if applicable, •Copy of latest electricity bill if applicable, •Proof of payment of application fee, 	•As per CERC Open Access Regulations.	<ul style="list-style-type: none"> •Wheeling charges, •Intra-state and inter-state Transmission charges, •Cross Subsidy 	•Distribution loss in kind at relevant voltage level.

Table-1

Consumer connected to Distribution System									
Sl. No.	Period	Injection Point	Drawal Point	Nodal Agency	Application Fee (Rs)	Documents to accompany the application	Time Frame for disposal of application(days from receipt of application/closure of window in complete shape)	Applicable charges	Applicable losses
			Telangana State	per CERC Regulations		<ul style="list-style-type: none"> •Consent from concerned SLDC and distribution licensee, •Consent from Seller if Buyer is the Applicant, or consent from Buyer if Seller is the Applicant; •Copy of Memorandum of Association and Chartered Accountant's certificate of shareholding pattern, if power is sought under captive mode; •Special Energy Meter (SEM) commissioning certificate, if already installed; 		Surcharge if applicable , <ul style="list-style-type: none"> •Additional surcharge, if any •Stand-by charges, if any, •Imbalance and Reactive Energy Charges, as applicable, •Scheduling and system Operating Charges as applicable. 	<ul style="list-style-type: none"> •Intra-state and Inter-state transmission losses in kind.
5)	Medium Term Open Access (MTOA)	Connected to the network of a Distribution licensee in Telangana State	Connected to the network of same Distribution licensee in Telangana State	STU	50,000	<ul style="list-style-type: none"> • Proof of payment of Application fee, • PPA or Sale-purchase agreement of power, • In case of generating station not already connected to grid, documentary evidence for completion of the connectivity showing that the same shall be 	<ul style="list-style-type: none"> • Thirty days from closure of window. 	<ul style="list-style-type: none"> •Wheeling Charge, •Cross Subsidy Surcharge if applicable, •Additional surcharge, if any •Stand-by charges, if any •Imbalance and Reactive Energy Charges, as applicable. 	<ul style="list-style-type: none"> •Distribution loss in kind at relevant voltage level.

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Consumer connected to Distribution System									
Sl. No.	Period	Injection Point	Drawal Point	Nodal Agency	Application Fee (Rs)	Documents to accompany the application	Time Frame for disposal of application(days from receipt of application/closure of window in complete shape)	Applicable charges	Applicable losses
						completed before intending date of MTOA. • Copy of Supply Agreement if applicable, • Copy of latest electricity bill if applicable, • Consent from concerned distribution licensee, • Copy of Memorandum of Association and Chartered Accountant's certificate of shareholding pattern, if power is sought under captive mode; • Special Energy Meter (SEM) commissioning certificate, if already installed			
6)		Connected to the network of a Distribution licensee in Telangana State	Connected to the network of another Distribution licensee in Telangana State	STU	50,000	• Proof of payment of Application fee, • PPA or Sale-purchase agreement of power, • In case of generating station not already connected to grid, documentary evidence for	• Thirty days from closure of window.	• Intra-state Transmission charges, • Wheeling Charge, • Cross Subsidy Surcharge if applicable, • Additional surcharge, if any	• Distribution loss in kind at relevant voltage level in respect of both distribution licensees,