



TAMIL NADU ELECTRICITY REGULATORY COMMISSION

Draft Notification No. TNERC/SC/7 –..... Dated.....-01-2021.

(Comments invited by 08-01-2021)

The following draft of amendment to the Tamil Nadu Electricity Supply Code, 2004, which it is proposed to make in exercise of the powers conferred by section 181 read with section 50 of the Electricity Act, 2003 (Central Act 36 of 2003) and all other powers enabling it in this behalf, is hereby published for information of all persons likely to be affected thereby, as required by sub section (3) of section 181 of the said Act.

2. Notice is hereby given that the draft amendment will be taken into consideration on or after the expiry of fifteen days from the date of publication of this Notification in the TNERC website and that any objection or suggestion, which may be received from any person with respect thereto before the expiry of the aforesaid period will be considered by the Commission.

3. Objection or suggestion, if any, should be addressed in duplicate to “The Secretary, Tamil Nadu Electricity Regulatory Commission, 4th Floor, SIDCO Corporate Office Building, Thiru.Vi.Ka. Industrial Estate, Guindy, Chennai 600 032” and its soft copy shall be sent to email address: “ tnerc@nic.in ”.

DRAFT AMENDMENT

In the said Tamil Nadu Electricity Supply Code, 2004, after Regulation 11, the following Regulation shall be added, namely :-

“11 A – Assessment of billing in cases where there is no Bi-directional meter or Bi-directional meter is defective in LT Solar Rooftop services –

(A) For import of energy

(i) Where supply to the prosumer is given without a bi-directional meter or where the bi-directional meter fixed is found defective or to have ceased to function and no theft of energy or violation is suspected, the quantum of electricity imported during the period when the bi-directional meter was not installed or the bi-directional meter installed was defective, shall be assessed as mentioned hereunder :

(a) The quantum of electricity imported during the period in question shall be determined by taking the average of the electricity imported during the preceding four months provided that the conditions in regard to import of electricity during the said four months were not different from those which prevailed during the period in question.

(b) Where the bi-directional meter becomes defective immediately after the bi-directional meter is effected, the quantum of electricity imported during the period in question is to be determined by taking the average of the electricity imported during the succeeding four months period after installation of a healthy bi-directional meter, provided the conditions in regard to the import of electricity are not different. The prosumer shall be charged monthly minimum charges provisionally for the meter defective period and after assessment the actual

charges will be recovered after adjusting the amount collected provisionally.

(c) If the conditions in regard to import of electricity during the periods as mentioned above were different, assessment shall be made on the basis of any consecutive four months period during the preceding twelve months when the conditions working were similar to those in the period covered by the billing.

(d) Where it is not possible to select a set of four months, the quantum of electricity imported will be assessed by the Engineer in charge of the distribution.

(ii) In case the prosumer does not agree with the assessment made by the Engineer or the higher level officer as the case may be, the matter may be referred to the next higher-level officer of the Licensee. In case the prosumer is still not satisfied, the solar prosumer is at liberty to approach the respective Consumer Grievance Redressal Forum of the Licensee.

(B) For export of energy

(i) For services wherein bi-directional meter becomes defective after previous assessments for a minimum period of 4 months:

The quantum of export energy in units during the period in question shall be determined by taking the average of the exported energy during the preceding four months period.

(ii) For services wherein the bi-directional meter becomes defective immediately after the bi-directional meter is effected:

The quantum of energy exported to grid during the period in question is to be determined by taking the average of the export energy during the succeeding four months periods after installation of a healthy bi-directional meter. Till such time, the

prosumer shall be charged provisionally for the defective period by assessing the quantum of export energy as follows:

Let the installed solar plant capacity : 1 KW

The Capacity Utilisation Factor (CUF)
of Solar plant : 19%

Maximum energy that would be generated
by a 1 KW solar plant in a day : $1 \times [19/100] \times 24 = 4.56$ Units/day
Or say 4 Units/day

Taking generation as 4 Units/day/KW and assuming that 50% of the generation is consumed by the prosumer in a day, the export energy may be taken as 2 Units / day / KW.

The total energy exported during the period where no bi-directional meter or bi-directional meter is defective = $2 \times (\text{defective period in days}) \times (\text{Installed capacity of the solar power plant in KW})$ Units.

On fixing the healthy bi-directional meter and assessment observed for four months, the provisional assessment made already may be reworked and demand notice may be raised after adjusting the amount collected provisionally.

(iii) In case the solar net bi-directional meter service prosumer does not agree with the assessment made by the Engineer or the higher level officer as the case may be, the matter may be referred to the next higher-level officer of the Licensee. In case the prosumer is still not satisfied, the prosumer is at liberty to approach the respective

Consumer Grievance Redressal Forum of the Licensee.”

(By order of the Tamil Nadu Electricity Regulatory Commission)

(S.Chinnarajalu)
Secretary
Tamil Nadu Electricity Regulatory Commission

EXPLANATORY STATEMENT

The Tamil Nadu Electricity Supply Code, 2004, contains provision in Regulation 11 of Chapter 2 for Assessment of billing in the cases where there is no meter or meter is defective in respect of normal LT services which records import power alone. But there is no provision for assessment of billing in the case of Bi-directional meters which records both export and import of energy when it become defective or when there is no meter. Therefore it is proposed to provide a procedure of assessment in the case of when the Bi-directional meter becomes defective and no meter is there in that Service connection.

2. The Commission in M.P.no.13 of 2020 filed by the TANGEDCO (CE/ Commercial) has also ordered that an amendment to the Supply Code will be issued on the above.

3. The amendment seeks to give effect to the above proposal.

(By order of the Tamil Nadu Electricity Regulatory Commission)

(S.Chinnarajalu)
Secretary
Tamil Nadu Electricity Regulatory Commission

STATEMENT SHOWING EXISTING PROVISION AND PROVISION AS AMENDED

Tamil Nadu Electricity Supply Code, 2004

Existing provision	Proposed amendment
<p><u>11. Assessment of billing in cases where there is no meter or meter is defective:</u></p> <p>(1) xxxxxxxx</p> <p>(2) xxxxxxxx</p> <p>xxxxxxx</p> <p>(7) xxxxxxxx</p> <p>New Provision:</p>	<p><u>11. Assessment of billing in cases where there is no meter or meter is defective:</u></p> <p>(1) xxxxxxxx</p> <p>(2) xxxxxxxx</p> <p>xxxxxxx</p> <p>(7) xxxxxxxx</p> <p><u>“11 A – Assessment of billing in cases where there is no Bi-directional meter or Bi-directional meter is defective in LT Solar Rooftop services –</u></p> <p><i>(A) For import of energy</i></p> <p><i>(i) Where supply to the prosumer is given without a bi-directional meter or where the bi-directional meter fixed is found defective or to have ceased to function and no theft of energy or violation is suspected, the quantum of electricity imported during the period when the bi-directional meter was not installed or the bi-directional meter installed was defective, shall be assessed as mentioned hereunder :</i></p> <p><i>(a) The quantum of electricity imported during the period in question shall be determined by taking the average of the electricity imported during the preceding four months provided that</i></p>

the conditions in regard to import of electricity during the said four months were not different from those which prevailed during the period in question.

(b) Where the bi-directional meter becomes defective immediately after the bi-directional meter is effected, the quantum of electricity imported during the period in question is to be determined by taking the average of the electricity imported during the succeeding four months period after installation of a healthy bi-directional meter, provided the conditions in regard to the import of electricity are not different. The prosumer shall be charged monthly minimum charges provisionally for the meter defective period and after assessment the actual charges will be recovered after adjusting the amount collected provisionally.

(c) If the conditions in regard to import of electricity during the periods as mentioned above were different, assessment shall be made on the basis of any consecutive four months period during the preceding twelve months when the conditions working were similar to those in the period covered by the billing.

(d) Where it is not possible to select a set of four months, the quantum of electricity imported will be assessed by the Engineer in charge of the distribution.

(ii) *In case the prosumer does not agree with the assessment made by the Engineer or the higher level officer as the case may be, the matter may be referred to the next higher-level officer of the Licensee. In case the prosumer is still not satisfied, the solar prosumer is at liberty to approach the respective Consumer Grievance Redressal Forum of the Licensee.*

(B) For export of energy

(i) *For services wherein bi-directional meter becomes defective after previous assessments for a minimum period of 4 months:*

The quantum of export energy in units during the period in question shall be determined by taking the average of the exported energy during the preceding four months period.

(ii) *For services wherein the bi-directional meter becomes defective immediately after the bi-directional meter is effected:*

The quantum of energy exported to grid during the period in question is to be determined by taking the average of the export energy during the succeeding four months periods after installation of a healthy bi-directional meter. Till such time, the prosumer shall be charged provisionally for the defective period by assessing the quantum of export energy as follows:

Let the installed solar plant capacity : 1 KW

The Capacity Utilisation Factor (CUF) of Solar plant : 19%

Maximum energy that would be Generated by a 1 KW solar plant in a day :

$$1 \times [19/100] \times 24 = 4.56 \text{ Units/day}$$

or say 4 Units/day

Taking generation as 4 Units/day/KW and assuming that 50% of the generation is consumed by the prosumer in a day, the export energy may be taken as 2 Units / day / KW.

The total energy exported during the period where no Bi-directional meter or Bi-directional meter is defective = 2 x (defective period in days) x (Installed capacity of the solar power plant in KW) Units.

On fixing the healthy bi-directional meter and assessment observed for four months, the provisional assessment made already may be reworked and demand notice may be raised after adjusting the amount collected provisionally.

(iii) In case the solar net bi-directional meter service prosumer does not agree with the

	<p><i>assessment made by the Engineer or the higher level officer as the case may be, the matter may be referred to the next higher-level officer of the Licensee. In case the prosumer is still not satisfied, the prosumer is at liberty to approach the respective Consumer Grievance Redressal Forum of the Licensee.”</i></p>
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