

Through Email & Hard Copy

TANGEDCO
(ACCOUNTS BRANCH)

144, Anna Salai,
Chennai-2.

Circular. Memo.No.CFC/REV/DFC/REV/AS.3/D.NO. 374 /17, dated.24.08.2017.

Sub:- Elecy- the Hon'ble Commission issued Order in T.P.No.1 of 2017 dated.11.08.2017, with effect from 11.08.2017 on Determination of Tariff for Generation and Distribution - Instructions Issued for HT services - Reg

Ref: - 1. The Hon'ble Commission's Order in T.P.No.1 of 2017 dated.11.08.2017.

In reference (1) cited, the Commission has issued Determination of Tariff for Generation and Distribution vide Order in T.P.No.1 of 2017 dated. 11.08.2017, with effect from 11.08.2017. In this regard, the following instructions with regard to HT Billing for the month of 08/2017 onwards and Open Access Charges collectable from consumers/ generators are furnished below:

Comparison Statement on the Changes made in the New Tariff Order
(HT Tariff Schedule)

S.No.	Suo MOTU tariff order 2014-15 (Previous provision)	T.P.No.1 of 2017 (Now approved by the commission)
1.	<u>6.1 (ii) Page No.274 of T.O.2014-15</u> Harmonics: The measurement of harmonics shall be done by the Distribution Licensee using standard meters/equipment in the presence of consumers or their representatives. This compensation charges is applicable to HT-I & HT-III category of consumers. TANGEDCO shall give three months clear notice to all consumers under these categories stating that they shall pay 15% compensation charges if the harmonics introduced by their load is not within the limits set by CEA. The TANGEDCO shall implement the compensation provision after three months period from the date of measurement if the harmonics measured is more than the permissible limits.	<u>6.1.1.2 page No.320 of T.O.2017-18</u> Harmonics: a)The measurement of harmonics shall be done by the Distribution Licensee using standard meters/equipment in the presence of consumers or their representatives. <u>This compensation charges is applicable to all HT categories of consumers except HT tariff IV (Lift Irrigation).</u> <u>(b)It shall not be applicable for all HT consumers connected at 11 kV and 22 kV until the CEA prescribes any standard of harmonics for 11 kV/22kV supply line consumers and makes them also obligatory for harmonic controls.</u>

		<p>(c)The TANGEDCO shall give three months' clear notice to all consumers under the above categories stating that they shall pay 15% compensation charges if the harmonics introduced by their load is not within the permissible limits set by CEA. <u>The penal charges shall be due from the date of completion of three months' notice period unless the harmonics is brought within the permissible limit. As and when the consumer brings down the harmonics within the permissible limit, compensation charges shall be withdrawn.</u></p>
<p>Action Required</p>	<p>The Distribution Circle SEs are requested to issue notice to all HT consumers(except HT Tariff IV - lift irrigation) connected in 33 kV and above stating that they shall pay 15% compensation charges if the harmonics introduced by their load is not within the permissible limits set by CEA. The penal charges shall be due from the date of completion of three months' notice period unless the harmonics is brought within the permissible limit.</p>	
<p>2.</p>	<p><u>6.1 (iii) Page No.274 of T.O.2014-15</u> i. In case of supply under HT Tariff, except for HT tariff-IV and V, supply used for creating facilities for the compliance of Acts/Laws or for the facilities incidental to the main purpose of the establishment of the consumer, such as facilities extended to their employees/ students/ patients/ residents as the case may be, within the premises of the consumer, shall be considered to be bonafide purpose. However, if such facilities are extended to the public, the energy consumption to such facilities shall be metered by the licensee separately and only the energy charged under appropriate LT tariff. Such metered energy consumption shall be deducted from the total energy consumption registered in the main meter of the HT/EHT supply for billing.</p>	<p><u>6.1.1.3 page No.320 &321 of T.O.2017-18</u> In case of supply under HT Tariff, except for HT tariff-IV and HT tariff- V, supply used for creating facilities for the compliance of Acts/Laws or for the facilities incidental to the main purpose of the establishment of the consumer, such as facilities extended to their employees/ students/ patients/residents as the case may be, within the premises of the consumer, shall be considered to be bonafide purpose, <u>irrespective of whether they are outsourced to a third party or provided by the consumer himself.</u> However, if such facilities are extended to the public, <u>or if part/full _____ premises _____ are</u></p>

		<u>leased/rented out to a service provider like food outlets present in food court, which provide service in their own name</u> , the energy consumption to such facilities shall be metered by the licensee separately and only the energy charged under appropriate LT tariff. Such metered energy consumption shall be deducted from the total energy consumption registered in the main meter of the HT/EHT supply for billing.
Action Required	The Distribution Circle SEs are requested to install separate meter in the premises of HT services (except HT Tariff IV and V) immediately where the creating facilities are extended to public or if part/full premises are leased/rented out to a service provider like food outlets present in food court, which provide service in their own name to measure such consumption and to bill under LT Tariff V	
3.	<u>Not mentioned.</u>	<u>Newly added provision</u> 6.1.1.8 page No.322 of T.O.2017-18 <u>In case of all HT consumers, the integration period for arriving at the maximum demand in a month will be fifteen minutes.</u>
Action Required	The Distribution Circle SEs are requested to change the program in the meter of HT services within three months, to measure the average recorded demand. It is also requested to give top priority to load fluctuation industry such as steel, Railways and IT industries.	
4.	<u>6.2 Page No.275 of T.O.2014-15 HT Tariff IA</u> i) This Tariff is applicable to: All manufacturing and industrial establishments and registered factories including Tea Estates, Textiles, Fertilizer Plants, Steel Plants, Heavy Water Plants, Chemical plants,	<u>6.1.2.1 page No.322 of T.O.2017-18 HT Tariff IA</u> This Tariff is applicable to: All manufacturing and industrial establishments and registered factories including Tea Estates, Textiles, Fertilizer Plants, Steel Plants, Heavy Water Plants, Chemical plants. <u>However, registered factories such as LPG bottling Units which are of non-manufacturing nature are not to be included in this tariff category.</u>
Action Required	The SEs requested to change the Tariff of LPG bottling units and other non-manufacturing industries covered in HT Tariff IA to HT Tariff III with effect from 11-08-2017	

5.	<u>Not mentioned.</u>	<p>Newly added provision 6.1.2.2 page No.323 of T.O.2017-18 HT Tariff IA f) This tariff is also applicable to <u>Aeronautical services provided by</u> <u>the Airports under Airports</u> <u>Authority of India. The Non-</u> <u>Aeronautical services provided</u> <u>shall be categorized under HT III</u> <u>Commercial / Miscellaneous</u> <u>category.</u></p>
Action Required	Presently Airport services are classified under HT Tariff III. The SEs are requested to classify the Aeronautical services alone under HT Tariff IA after ensuring proper metering arrangements to measure consumption of Aeronautical and Non-Aeronautical services. Till such time the existing billing system may be continued.	
	Provision in HT Tariff V under <u>6.8. i.(c)</u> Page No.279 of T.O.2014-15 is changed to HT Tariff I A in 6.1.2.2. of <u>page No.323 of T.O.2017-18.</u>	<p>Provision changed from HT Tariff V to HT Tariff I A 6.1.2.2. of <u>page No.323 of T.O.2017-18.</u> <u>(g) This tariff is also applicable to</u> <u>start-up power provided to</u> <u>generators. The generators are</u> <u>eligible to get start-up power under</u> <u>this tariff after declaration of CoD.</u> <u>The demand shall be limited to 10%</u> <u>of the highest capacity of the</u> <u>generating unit of the generating</u> <u>station or the percentage auxiliary</u> <u>consumption as specified in the Tariff</u> <u>Regulations, whichever is less. The</u> <u>supply shall be restricted to 42 days</u> <u>in a year. Drawal of power for a day or</u> <u>part thereof shall be accounted as a</u> <u>day for this purpose. Power factor</u> <u>compensation charges are not</u> <u>applicable for start-up power.</u></p>
Action Required	The Tariff to Start up power drawal may be changed from HT Tariff V to HT Tariff IA. The terms and conditions remains same.	

6.	<p><u>6.3 Page No.277 of T.O.2014-15</u> <u>HT Tariff I B</u> i) This tariff is applicable to Railway traction.</p>	<p><u>6.1.3.1 page No.324 of T.O.2017-18</u> <u>HT Tariff I B</u> This tariff is applicable to:</p> <p>(a) Railway traction</p> <p><u>(b). All the connected loads of CMRL. Other loads like ATM, Kiosks, stalls, hotels, etc. shall be separately metered and charged under miscellaneous category and the above consumption shall be deducted from the main energy consumption metered at the CMRL's point of supply.</u></p>
Action Required	<p>The SEs are requested to ensure proper metering arrangements to measure consumption of other loads like ATM, Kiosks, Stalls, hotels etc After ensuring metering arrangements only the traction load of CMRL may be billed under HT Tariff I B</p>	
7.	<p><u>Not mentioned</u></p>	<p><u>Newly added provision</u> <u>6.1.4.1 page No.325 of T.O.2017-18</u> <u>HT Tariff II A</u> e). Central Prisons and other Prisons of the State Government.</p>
Action Required	<p>The tariff to Prisons may be changed from HT Tariff III to HT Tariff II A with effect from 11-08-2017.</p>	
8.	<p><u>6.4 Page No.278 of T.O.2014-15</u> <u>HT Tariff II A</u> e) Residential colonies and Housing complexes, Senior citizen communities, Old age Homes and Orphanages</p>	<p><u>6.1.4.2 page No.325 of T.O.2017-18</u> <u>HT Tariff II A</u> a) Residential colonies and Housing complexes, Senior citizen communities, Old Age Homes, Orphanages and <u>its common supply used for common lighting, water supply, lift.</u></p>
Action Required	<p>The electricity used for common supply for common lighting, water supply, lift in residential colonies, and housing complexes may be billed under HT Tariff II A from 11-08-2017.</p>	

Further, it is stated that the consumption from 11.08.2017 [24.00 hrs] shall be billed in accordance with Tariff Order in T.P.No.1 of 2017 dated.11.08.2017, based on the CMRI downloaded data , wherever change in Tariff rates arises due to the Tariff Order.

2. Open Access Charges:

2.1. Wheeling Charges:

2.1.1. The Commission has determined the wheeling charge per unit at Re.0.2105/kWh [21.05 paise/kWhr against the existing rate Re.0.1887] for FY 2017-18 from 11.08.2017 for the energy input at distribution periphery. Therefore, wheeling charges shall be collected for all OA consumers in accordance with the illustrations already issued vide Lr. No./ CFC /FC/DFC/ AAO.HT/ AS.3/ D.NO.124/ 13, dated. 29.08.2013 and vide Lr. No./ CFC/FC/ DFC/ AAO.HT/ AS.3/D.NO.118/13, dated. 22.08.2013, in respect of conventional power generators and Non-conventional generators respectively.

Loss Components applicable for the FY 2017-18 :

The Hon'ble Commission has issued loss component for the financial year 2017-18. However, TANGEDCO has proposed to file a review petition to rectify calculation of line loss component to open access consumers for the financial year 2017-18 and hence, existing line loss component may be followed and same is furnished as tabulated below:

Sl.No	Injection Voltage	Drawal Voltage	Transmiss ion Loss	Distribution Loss	Total Loss
1	230 kV	230 kV	0.76%	0.00%	0.76%
2	230 kV	110 kV	1.73%	0.00%	1.73%
3	230 kV	33 kV	1.73%	0.32%	2.05%
4	230 kV	22 kV	1.73%	1.34%	3.07%
5	230 kV	11 kV	1.73%	1.71%	3.44%
6	110 kV	230 kV	1.73%	0.00%	1.73%

7	110 kV	110 kV	2.70%	0.00%	2.70%
8	110 kV	33 kV	2.70%	0.32%	3.02%
9	110 kV	22 kV	2.70%	1.34%	4.04%
10	110 kV	11 kV	2.70%	1.71%	4.41%
11	33 kV	230 kV	1.73%	0.32%	2.05%
12	33 kV	110 kV	2.70%	0.32%	3.02%
13	33 kV	33 kV	2.70%	0.64%	3.34%
14	33 kV	22 kV	2.70%	1.66%	4.36%
15	33 kV	11 kV	2.70%	2.03%	4.73%
16	22 kV	230 kV	1.73%	1.34%	3.07%
17	22 kV	110 kV	2.70%	1.34	4.04%
18	22 kV	33 kV	2.70%	1.66%	4.36%
19	22 kV	22 kV	2.70%	2.68%	5.38%
20	22 kV	11 kV	2.70%	3.05%	5.75%
21	11 kV	230 kV	1.73%	1.71%	3.44%
22	11 kV	110 kV	2.70%	1.71%	4.41%
23	11 kV	33 kV	2.70%	2.03%	4.73%
24	11 kV	22 kV	2.70%	3.05%	5.75%
25	11 kV	11 kV	2.70%	3.42%	6.12%

2.1.2. However, the allotment in respect of all type of Generators such as captive, third party, IEX, etc shall be made on Two portions (i.e) first portion namely, the generation up to 11.08.2017 [24.00 Hrs] and second portion namely, the generation from 12.08.2017 [00.00 hrs] to date of final reading shall be allotted separately based on CMRI downloaded data. If such data is not available, the same may be arrived proportionate to number of days. In this connection, it is most relevant to mention that the existing line loss may be taken for both parts, the adjustment shall make on monthly basis only. Further also it is stated that the wheeling charges shall be collected for the energy adjusted including distribution loss upto 11.08.2017 [24.00 hrs] at the old rate [against first part as mentioned above] and from 12.08.2017 [00.00 hrs] shall be at new rate [against second part as mentioned above] and the wheeling charges shall be collected in accordance with Commission’s existing tariff order on wind, Biomass, Bagasse etc.

2.2. Cross Subsidy Surcharge:

The Commission has determined Cross Subsidy Surcharge for HT consumers from 11.08.2017 as tabulated below:

Particulars	CSS Rs/kWh
HT Sales	
HT IA: HT-Industry	1.67
HT IB: Railway Traction	1.54
HT IIA: Govt. educational institute	1.52
HT IIB: Pvt Educational Institute	1.61
HT III - HT commercial	1.98
HT IV- Lift Irrigation societies	1.27
HT V - Temporary Supply	2.26

2.3.Grid Availability Charges :

3.3.1. The Commission has already clarified in the Order dated December 11, 2014, that the Grid Availability Charges shall be levied for the following conditions:

- In case of outages of generator supplying to an Open Access consumer
- For start-up power by generator
- When the generator as per schedule is not maintained and when the drawal by the open access consumer is in excess of the schedule.

The Grid Availability Charges for Open Access consumers shall be applicable as under:

- 1) Scheduling of all transactions pursuant to grant of long-term open access or medium-term open access or short-term open access shall be carried out on day- ahead basis in accordance with the relevant provisions of IEGC/CERC Open Access Regulations for inter-State transactions and in accordance with State Grid Code/Commission's Regulations / orders for intra-State transactions.**
- 2) Deviations between the schedule and the actual injection/drawal in respect of a open access customer who is not a consumer of the distribution licensee and the Generating Stations, shall come under the purview of the intra-state ABT, as notified by the Commission and shall be settled based on the composite accounts for imbalance transactions issued by SLDC on a weekly cycle in accordance with the UI charges specified by the Commission. Billing, collection and disbursement of any amounts under the above transactions shall be in accordance with the Commission's orders on Intra-state ABT, as may be applicable from time to time. Till the implementation of Intra-State ABT, the imbalance charge shall be at the rate of applicable temporary supply tariff.**
- 3) In case of deviation by Open Access Customer who is also a consumer of distribution licensee, the difference between the applicable scheduled open access load and actual drawl shall be accounted Block wise and shall be settled in accordance with the following:**
 - a. The energy consumption of such customer shall be recorded in 15 minutes time block.**
 - b. Deviations between the schedule and the actual injection/ drawal shall come under the purview of the intra-state ABT, as notified by the Commission and shall be settled based on the composite accounts for imbalance transactions issued by SLDC on a weekly cycle in accordance with the UI charges specified by the Commission. Billing, collection and disbursement of any amounts under the above transactions shall be in accordance with the Commission's orders on Intra-state ABT, as may be applicable from time to time. Till the implementation of Intra-State ABT, the imbalance charge shall be regulated as below:**
 - i. In case of actual energy/demand drawal is more than the scheduled energy/demand but within the permitted energy/demand (based on contracted load and energy or quota demand and energy as applicable),**

customer shall be liable to pay for such over drawal at the applicable tariff rates of that category of consumer as determined by the Commission from time to time.

- ii. In case of actual energy/demand drawal is more than the scheduled energy/demand drawal and also more than the permitted energy/demand (based on contracted load and energy or quota demand and energy as applicable), payment for the capacity above the contract demand shall have to be made at the excess demand/energy charges as specified by the Commission for such categories of customers in the Regulations/Order.

2.3.2. Further, in the recently issued Order dated 31.07.2017 in I.A. No. 1 of 2015 in M.P. No. 10 of 2015 and M.P. No.10 of 2015, the Commission has clarified as under:

“6.8. This Commission accordingly clarifies that in case of outage of generator supplying to an open access consumer, the open access consumer is liable to pay the grid support charges at the applicable tariff rates of that category of Consumer considering it as deviation from the schedule.”

2.3.3. During the outage of generators, the units allotted to the OA consumers in respect of such outage periods need not be adjusted/allotted in the monthly bills of the OA consumers in the respective slots in order to avoid the generator pumping excess energy at a later date in the month to compensate the loss of generation happened during outages. Further excess energy injected by the generator over above the approved open access quantum need not be considered for allotment. The generator end Superintending Engineer/EDC may ensure the above while making allotment every month to OA consumers scrupulously.

2.3.4. The Parallel Operation Charges shall be collected only from the captive generators on the net capacity, i.e., the capacity being utilized for self-consumption, for extending the facility of grid support. [Example: The installed capacity is 50 MW. The auxiliary and industrial consumption is 35 MW and open access availed is 15 MW then parallel operation charges is to be levied for 35MW only. In case of no open access , parallel operation charges shall be levied for the entire installed capacity of the generator]

2.4. Restoration Charges:

Any default in payment of the various OA charges specified in the regulations, within the time stipulated by the Commission will result in the discontinuance of the open access to the consumer. Restoration of such discontinued open access shall be subject to the payment of reconnection charges applicable to that voltage level of the customer as approved by the Commission in the Order on “ Non-tariff related Miscellaneous charges ” issued from time to time.

2.5. Applicability of Tariff Schedule:

The tariff schedule shall be read with the General Terms and conditions of Supply Code and Distribution Code specified by the Commission.

2.6. Hence, all the Superintending Engineers of Distribution Circles are hereby instructed to follow above instructions scrupulously.

[By Order of CMD]

Sd-24.08.2017

Director/Distribution/TANGEDCO

To

All the Superintending Engineers of Distribution Circle.

All the Chief Engineers/Distribution Region.

The Chief Internal Audit Officer/BOAB/Chennai.

The Chief Engineer/IT/Chennai. [For suitable action in HT software]

The Chief Engineer/Commercial/Chennai.

The Chief Engineer/NCES/Chennai.

The EA to Chairman's Office.

The Deputy Chief Internal Audit Officers/Distribution Regions.

The Deputy Manager/SMSTC/Chennai.

The Chief Engineer/PPP/Chennai.

The Chief Engineer/Operation/Chennai.

//Forwarded by Order//

Sd/-24.08.2017

Chief Financial Controller/Revenue
TANGEDCO