



**TELANGANA STATE ELECTRICITY REGULATORY COMMISSION**  
5<sup>th</sup> Floor, Singareni Bhavan, Red Hills, Lakdi-ka-pul, Hyderabad 500 004

**Dated 22.03.2022**

**Present**

Sri T. Sriranga Rao, Chairman  
Sri M. D. Manohar Raju, Member (Technical)  
Sri Bandaru Krishnaiah, Member (Finance)

O. P. No. 61 of 2021 for H1 of FY 2022-23  
Southern Power Distribution Company of Telangana Limited (TSSPDCL)

O. P. No. 62 of 2021 for H1 of FY 2022-23  
Northern Power Distribution Company of Telangana Limited (TSNPDCL)

... Applicants

Southern Power Distribution Company of Telangana Limited (TSSPDCL) and Northern Power Distribution Company of Telangana Limited (TSNPDCL) (together referred to as “Applicants” or “TSDiscoms”) filed the applications for determination of Additional Surcharge (AS) for H1 (1<sup>st</sup> Half period from April to September) of FY 2022-23 to be levied on Open Access (OA) consumers as per the directions of the Commission in its Order dated 18.09.2020 in O.P.No.23 of 2020 in accordance with the provisions of the Electricity Act, 2003 and Tariff Policy, 2016.

The Commission, in exercise of its powers under the Electricity Act, 2003, and after considering TSDiscoms submissions, suggestions and objections of stakeholders, responses of TSDiscoms to the same, issues raised during the Public Hearing and all other relevant material, passed the following:

**COMMON ORDER**

**CHAPTER 1**  
**INTRODUCTION**

**1.1 Background**

1.1.1 The Commission passed an Order dated 18.09.2020 in O.P.No.23 of 2020 specifying the mechanism for determination of stranded capacity along with the approved methodology and terms & conditions for levy of Additional

Surcharge (AS) on Open Access (OA) users in order to meet the fixed cost commitment of the distribution licensee arising out of its obligation of supply and held as under:

“52. The Discoms to submit their filings for determination of AS for the 1<sup>st</sup> half of the ensuing financial year i.e., for the period from April to September of the ensuing financial year latest by 30<sup>th</sup> November of the current financial year and for the 2<sup>nd</sup> half of the ensuing financial year i.e., for the period from October to March of the ensuing financial year latest by 31<sup>st</sup> May of the ensuing financial year.

a) **Mechanism for Demonstration of Stranded Capacity**

- i. The 15-minute time-block data of available capacity and scheduled capacity of all generating stations having long term PPAs with the Discoms, and the scheduled capacity of OA consumers of six months period is to be taken.
- ii. In case of hydel generating stations, the scheduled capacity is to be treated as available capacity in that time block.
- iii. The lower of the surplus capacity (i.e., available capacity less scheduled capacity) and capacity scheduled by OA consumers is to be considered as stranded capacity for the 15-minute time block.
- iv. Accordingly, the average stranded capacity for six-month period due to open access has to be arrived.

b) **Approved Methodology for Computation of Additional Surcharge**

**Table 5: Approved Methodology for Computation of Additional Surcharge**

Sl. No.	Description	Unit	Value
{A}	Long term available capacity	MW	
{B}	Capacity stranded due to OA	MW	
{C}	Fixed Charges paid	Rs.crore	
$\{D\}=\{C\}\div\{A\}$	Fixed Charges per MW	Rs.crore/MW	
$\{E\}=\{D\}\times\{B\}$	Fixed Charges for stranded capacity	Rs.crore	
{F}	Transmission charges paid	Rs.crore	
{G}	Actual Energy scheduled	MU	
$\{H\}=\{F\}\div\{G\}$	Transmission charges per unit	Rs./kWh	
{I}	Distribution charges as per Tariff Order	Rs./kWh	
$\{J\}=\{H\}+\{I\}$	Total transmission and distribution charges per unit	Rs./kWh	
{K}	Energy consumed by OA	MU	

<b>Sl. No.</b>	<b>Description</b>	<b>Unit</b>	<b>Value</b>
	consumers from the Discoms		
$\{L\}=\{K\}\times\{J\}$	Transmission and distribution charges paid by OA consumers	Rs.crore	
$\{M\}$	Demand charges recovered by the Discoms from OA consumers	Rs.crore	
$\{N\}=\{M\}-\{L\}$	Demand charges to be adjusted	Rs.crore	
$\{O\}=\{E\}-\{N\}$	Net stranded charges recoverable	Rs.crore	
$\{P\}$	OA sales	MU	
$\{Q\}=\{O\}\div\{P\}$	Additional Surcharge	Rs./kWh	

c. **Terms & Conditions for levy of Additional Surcharge on OA Users**

- i. The AS determined by the Commission shall be applicable to the consumers of the Discoms who avail power through OA from any source other than their respective Discom.
- ii. The AS shall be levied on the quantum of electricity scheduled by such consumers.
- iii. The AS shall not be levied on such OA consumers for their captive consumption to the extent of OA availed for wheeling of power from their own CPPs.
- iv. Exemption from payment of AS for the eligible OA consumers shall be as per the Government policy in force. The Discoms may take up the issue of making good of the revenue loss due to such exemption with the State Government for proper relief.”

## 1.2 Statutory and Regulatory Provisions

### 1.2.1 Section 42(4) of the Electricity Act, 2003 specifies that –

*“Where the State Commission permits a consumer or class of consumers to receive supply of electricity from a person other than the distribution licensee of his area of supply, such consumer shall be liable to pay an additional surcharge on the charges of wheeling, as may be specified by the State Commission, to meet the fixed cost of such distribution licensee arising out of his obligation to supply.”*

### 1.2.2 Clause 8.5.4 of Tariff Policy, 2016 dated 28.01.2016 provides that -

*“The additional surcharge for obligation to supply as per section 42(4) of the Act should become applicable only if it is conclusively demonstrated that the obligation of a licensee, in terms of existing power purchase commitments, has been and continues to be stranded, or there is an unavoidable obligation and incidence to bear fixed costs*

*consequent to such a contract. The fixed costs related to network assets would be recovered through wheeling charges.”*

1.2.3 Clause 17.1(iv) of Terms and Conditions of Open Access Regulation No.2 of 2015 stipulates that -

*“The Open Access user shall also be liable to pay additional surcharge on charges of wheeling as may be specified by the Commission from time to time under section 42(4) of the Act, in case open access is sought for receiving supply from a person other than distribution licensee of such consumer’s area of supply, to meet the fixed cost of the distribution licensee arising out of his obligation to supply.”*

### **1.3 Present Petition**

1.3.1 In accordance with the Commission Order dated 18.09.2020 in O.P.No.23 of 2020, the Petition for determination of Additional Surcharge for H1 of FY 2022-23 was to be filed by TSDiscoms latest by 30.11.2021. Accordingly, TSSPDCL and TSNPDCL have filed Petitions for determination of Additional Surcharge for H1 of FY 2022-23 on 29.11.2021 i.e., within the limitation period.

### **1.4 Admission of Petition and Regulatory Process**

1.4.1 The Petitions for determination of Additional Surcharge for H1 of FY 2022-23 were scrutinised and found to be generally in order as required under the Telangana State Electricity Regulatory Commission (Conduct of Business) Regulation, 2015 [Regulation No.2 of 2015]. The Commission admitted the filings and the same were taken on record by assigning the following Original Petition (OP) numbers:

- O.P.No.61 of 2021 for TSSPDCL for H1 of FY 2022-23
- O.P.No.62 of 2021 for TSNPDCL for H1 of FY 2022-23

### **1.5 Public Notice**

1.5.1 The TSDiscoms, as directed by the Commission, published the Public Notice on 19.01.2022 in two (2) English, two (2) Telugu and one (1) Urdu daily newspapers duly indicating the gist of the filings.

1.5.2 The public notice was to inform the general public that the TSDiscoms has filed the Petition for determination of Additional Surcharge for H1 of FY 2022-23 before the Commission and for inviting objections/suggestions on the filings of the TSDiscoms from all the stakeholders and general public at large on or before 10.02.2022 by 5 pm and also informing that in this regard the

Commission shall conduct virtual Public Hearing through video conference on 26.02.2022 from 11:00 hours onwards. The copies of the daily newspaper clippings of the Public Notice are placed in Annexure-I.

1.5.3 It was also notified in the Public Notice that, objections/ suggestions, if any, on the filings together with supporting material may be sent to concerned TSDiscom in person or through Registered Post so as to reach on or before 10.02.2022 by 5 pm and a copy of the same must also be filed with the Secretary, TSERC.

1.5.4 The filings have been made available by the TSDiscoms along with supporting material to the public at large including all the stakeholders. The Public Notice, filings and supporting material were also hosted on the websites of the TSDiscoms as well as on the website of the Commission viz., [www.tssouthernpower.com](http://www.tssouthernpower.com); [www.tsnpdcl.in](http://www.tsnpdcl.in); and [www.tserc.gov.in](http://www.tserc.gov.in).

## **1.6 Response to Public Notice**

1.6.1 In response to the Public Notice, objections/suggestions were received from three (3) stakeholders before the due date and from one (1) stakeholder after the due date. The list of stakeholders who submitted objections/suggestions is enclosed at **Annexure-II**.

1.6.2 The TSDiscoms were directed to give its response in writing to all the written objections/suggestions in writing by 17.02.2022 by sending the same to the respective objector with a copy to the Commission.

1.6.3 The Commission sent the virtual link to all the stakeholders who desired to be heard in person along with those who have sent their objections/suggestions, and TSDiscoms for participation in virtual Public Hearing through video conference. Also, made facilities in the office of the Commission for the stakeholders who may visit the office of the Commission for participation or to witness the proceedings of the virtual Public Hearing.

## **1.7 Virtual Public Hearing**

1.7.1 The Commission has conducted the virtual Public Hearing through video conference on 26.02.2022 at 11:00 hours. During the Public Hearing, TSSPDCL on behalf of TSDiscoms made a brief presentation on the filings

and then the Commission heard the stakeholders desiring to be heard. At the end, as directed by the Commission, the TSSPDCL responded on the issues raised by the stakeholders during the Public Hearing. The Petitioners have also made a written submission of the same. The list of stakeholders who presented their objections/suggestions in virtual Public Hearing through video conference held on 26.02.2022 is enclosed at **Annexure-III**.



## CHAPTER 2 SUMMARY OF FILINGS

### 2.1 Additional Surcharge for H1 of FY 2022-23

2.1.1 The TSDiscoms filed Additional Surcharge proposals for H1 of FY 2022-23 by considering the actual parameters pertaining to H1 of FY 2021-22 in consonance with order in O.P.No.23 of 2020. The average stranded capacity due to Open Access consumers for the six (6) months period (i.e., Apr'21 to Sep'21) considering 15-minute block wise data as 222.07 MW as given in Table below (TSDiscoms also submitted the block-wise information in soft copy).

*Table 1: Average Stranded Capacity due to OA Consumers for Apr'21 to Sep'21*

Particulars (in MW)	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Average
Available Capacity	8864	9133	9062	9072	9678	9556	9228
Scheduled Capacity	8066	6451	6689	7301	8449	7502	7410
Deficit/(Surplus)	798	2682	2372	1772	1229	2054	1818
OA Scheduled Capacity	194	267	290	304	167	146	228
<b>Stranded Capacity</b>	<b>165</b>	<b>267</b>	<b>288</b>	<b>302</b>	<b>164</b>	<b>145</b>	<b>222</b>
<i>Stranded Capacity arrived by considering minimum of backing down i.e., deficit and Open Access scheduled capacity for each 15-min block</i>							

2.1.2 The fixed charges paid to the generators for H1 of FY 2021-22 is Rs.6004.53 crore (provisional in nature subject to variations in the final audited accounts) and the average long term available capacity is 9227.55 MW. Thus, the average fixed charges work out to Rs.0.65 crore per MW.

2.1.3 Accordingly, the fixed charges for stranded capacity of 222.07 MW works out as Rs.144.50 crore (i.e., 222.0695 MW x Rs.0.6507crore).

2.1.4 The transmission charges paid by TSDiscoms for H1 of FY 2021-22 are Rs.2137.34 crore and scheduled energy for that period is 34112.66 MU. Thus, the actual transmission cost per unit works out to Rs.0.63/kWh.

2.1.5 The distribution wheeling charges as approved by the Commission for FY 2021-22 is Rs.1.08 per kWh.

2.1.6 Hence, the total Transmission and Distribution (T&D) costs works out to Rs.1.71/kWh.

2.1.7 Based on the above mentioned values, the demand charges that are to be adjusted/(recovered) from Open Access consumers works out to Rs.(-)117.66 crore.

2.1.8 Hence, the net stranded charges of Rs.262.17 crore which are considered for calculation of Additional Surcharge.

2.1.9 The projected Open Access sales for H1 of FY 2022-23 is considered to be same as that of Open Access sales recorded for H1 of FY 2021-22 i.e., 645.90 MU and hence the Additional Surcharge is computed to be Rs.4.06/kWh.

**Table 2: Additional Surcharge claimed for H1 of FY 2022-23**

Sl. No.	Description	Unit	Value
{A}	Long term available capacity	MW	9227.55
{B}	Capacity stranded due to OA	MW	222.07
{C}	Fixed Charges paid	Rs.crore	6004.53
{D}={C}÷{A}	Fixed Charges per MW	Rs.crore/MW	0.65
{E}={D}×{B}	Fixed Charges for stranded capacity	Rs.crore	144.50
{F}	Transmission charges paid	Rs.crore	2137.34
{G}	Actual Energy scheduled	MU	34112.66
{H}={F}÷{G}	Transmission charges per unit	Rs./kWh	0.63
{I}	Distribution charges as per Tariff Order	Rs./kWh	1.08
{J}={H}+{I}	Total transmission and distribution charges per unit	Rs./kWh	1.71
{K}	Energy consumed by OA consumers from the TSDiscoms	MU	1785.41
{L}={K}×{J}	Transmission and distribution charges paid by OA consumers	Rs.crore	304.56
{M}	Demand charges recovered by the TSDiscoms from OA consumers	Rs.crore	186.90
{N}={M}-{L}	Demand charges to be adjusted	Rs.crore	-117.66
{O}={E}-{N}	Net stranded charges recoverable	Rs.crore	262.17
{P}	OA sales	MU	645.90
<b>{Q}={O}÷{P}</b>	<b>Additional Surcharge</b>	<b>Rs./kWh</b>	<b>4.06</b>

2.1.10 The TSDiscoms requested the Commission to consider any variation as and when the final audited accounts are available.

**CHAPTER 3**  
**ISSUES RAISED BY STAKEHOLDERS, RESPONSES OF PETITIONER AND**  
**COMMISSION'S VIEWS**

**3.1 Objections/suggestions made on filings**

3.1.1 In response to the Public Notice issued by TSDiscoms a total of four (4) stakeholders [three (3) stakeholders within due date and later on One (1) stakeholder] have filed objections/suggestions on the filings for determination of Additional Surcharge for H1 of FY 2022-23. The Petitioner as directed by the Commission has filed replies on the objections/suggestions received from the stakeholders. For the sake of clarity, the objections/ suggestions raised by the stakeholders and responses of the Petitioner have been consolidated and summarised issue-wise. The Commission has concluded all the objections/ suggestions of the stakeholders who made in writing as well as during the virtual Public Hearing held on 26.02.2022 and the responses to them by the Petitioner.

**3.2 General**

***Stakeholders' submissions***

3.2.1 The Additional Surcharge claimed by the TSDiscoms is prohibitive considering the provisions of Section 42 of the Electricity Act, 2003, paras 8.5.1 and 8.5.5 of the Tariff Policy, 2016. The Additional Surcharge claimed by TSDiscoms is significantly higher than the per unit fixed cost proposed by the TSDiscoms for FY 2022-23. The inclusion of additional transmission and distribution charges in the computation of Additional Surcharge is not clear when the Open Access consumers pay the transmission and distribution charges in accordance with the Regulations. It is also not clear as to how the transmission and distribution network capacity is stranded due to Open Access when the Open Access consumers are using the same concurrently with payment of corresponding charges.

3.2.2 During H1 of FY 2021-22, the Open Access consumers have consumed 1785 MU from TSDiscoms while they had procured only 646 MU from others, while paying 80% demand charges although they don't use the full Contracted Maximum Demand (CMD).

3.2.3 The Commission, in earlier Orders, had determined Additional Surcharge in exercise of the discretionary powers in order to avoid undue hardship to Open Access consumers. However, regulatory certainty is essential for the overall development of the sector as conceived under the Electricity Act, 2003.

3.2.4 The methodology of determination of Additional Surcharge approved by the Commission may have to be reviewed considering the provisions of the Electricity Act, 2003, National Electricity Policy and Tariff Policy, 2016.

***TSDiscoms' replies***

3.2.5 The Commission had approved the mechanism for determination of Additional Surcharge in accordance with the provisions of the Electricity Act, 2003 and the Tariff Policy, 2016. The Additional Surcharge for H1 of FY 2022-23 has been claimed in accordance with the same. The computation of Additional Surcharge is based on stranded capacity of the generating stations for which TSDiscoms are required to pay fixed charges along with the transmission and distribution charges for conveyance to TSDiscoms network. The revenue from fixed charges of consumer tariff is less than the fixed cost of power supply incurred by TSDiscoms which leads to under recovery of fixed charges from Open Access consumers. The approved methodology conclusively demonstrates the stranded capacity to the extent of Open Access consumers and further, the Additional Surcharge is to be determined to recover the fixed cost commitments of such stranded capacity.

***Commission's View***

3.2.6 The methodology for determination of Additional Surcharge was approved taking into consideration the provisions of the Electricity Act, 2003 and the Tariff Policy, 2016.

**3.3 DISCOM wise AS**

***Stakeholders' submissions***

3.3.1 Both the DISCOMs have claimed the same AS. The Commission may direct the DISCOMs to submit DISCOM wise stranded capacity and corresponding cost for determination of DISCOM wise AS.

***TSDiscoms' replies***

3.3.2 The DISCOMs have not submitted any reply.

### **Commission's View**

3.3.3 The Commission, in its Order dated 18.09.2020 in O.P.No.23 of 2020 has specified its view as under:

*"15. One important aspect which was not touched upon either by the DISCOMs or the stakeholders is whether the stranded capacity of power procurement for each DISCOM is required to be considered and AS has to be determined separately for each DISCOM or combined for both the DISCOMs. On this issue, the Commission observes that in the State of Telangana, the power planning for both the DISCOMs is co-ordinated at the level of Telangana State Power Co-ordination Committee (TSPCC). Hence, the quantum of stranded capacity and determination of AS has also to be the common basis and to be computed for both the DISCOMs considering the consolidated data of both the DISCOMs."*

3.3.4 In accordance with the above, the stranded capacity and consequently AS shall be determined considering the consolidated data of both the DISCOMs and therefore, the stakeholders' submissions on DISCOM wise AS does not require to be considered.

### **3.4 Stranded capacity**

#### ***Stakeholders' submissions***

3.4.1 The TSDiscoms have considered available capacity and scheduled capacity in determination of Additional Surcharge. Had the total contracted capacity been considered, the Additional Surcharge would work out to be much lower.

3.4.2 The capacity of Non-Conventional Energy (NCE) plants has to be considered in arriving at stranded capacity.

#### ***TSDiscoms' replies***

3.4.3 In accordance with the approved methodology, the long-term available capacity has to be considered in the determination of Additional Surcharge.

#### ***Commission's View***

3.4.4 The Commission has determined the stranded capacity in line with the approved methodology. The NCE capacity has been considered in arriving at stranded capacity.

### **3.5 Fixed Charges**

#### ***Stakeholders' submissions***

3.5.1 As per Clause 12 of the Regulation No.4 of 2005, the actual fixed cost of power purchase has to be subject to prudence check. The DISCOMs have claimed an amount of Rs.342.17 crore towards additional pension liabilities, which ought not be considered in determination of AS.

3.5.2 The fixed charges have to be considered as Rs.2915.11 crore as against the fixed charges of Rs.6004.53 crore claimed by the DISCOMs.

***TSDiscoms' replies***

3.5.3 The DISCOMs have not submitted any reply.

***Commission's View***

3.5.4 The Commission has considered the actual fixed cost including the additional pension liabilities in line with the approved methodology. The fixed charges as proposed by the stakeholder is unfounded and are based on erroneous considerations.

**3.6 Transmission charges**

***Stakeholders' submissions***

3.6.1 The TSDiscoms have considered the inter-state transmission System (ISTS) charges, which are not to be considered in accordance with the approved methodology.

3.6.2 Any consumer availing open Access to the ISTS also pays its ISTS charges for the power procured through open access, the benefit of which accrues to the State in reduction of their ISTS charges. Inclusion of ISTS charges again for computation of Additional Surcharge will lead to double levy of the same charge on Open Access consumers. Hence, the Commission may review the same.

3.6.3 The transmission charges have to be considered as Rs.1664.72 crore as against Rs.2137.34 crore claimed by the DISCOMs.

***TSDiscoms' replies***

3.6.4 The TSDiscoms consideration of inter-state transmission charges is consistent with the methodology approved by the Commission. Further, the inter-state transmission charges have to be considered as TSDiscoms have long-term PPAs with inter-state generators too along with intra-state

generators and also, the backing down of generation is not limited to intra-state generators.

- 3.6.5 ISTS charges paid by the consumer availing ISTS system, benefits in reduction of ISTS charges for the State. However, the same benefits have been passed on to the consumer through Annual Performance Review (APR) filed by Transmission Corporation of Telangana Limited (TSTransco).

***Commission's View***

- 3.6.6 The Commission has considered the transmission charges in line with the approved methodology and agrees with the TSDiscoms replies.
- 3.6.7 The transmission charges as proposed by the stakeholder is unfounded and are based on erroneous considerations.

**3.7 Distribution charges**

***Stakeholders' submissions***

- 3.7.1 The TSDiscoms have considered the distribution cost of Rs.1.08/kWh (LT+HT). As per Clause 8 of the (Terms and Conditions of Open Access) Regulation, 2005 [Regulation No.2 of 2005] the Commission had allowed Open Access to consumers with contracted capacity more than 1 MW viz., the consumers connected to HT network. Therefore, inclusion of distribution cost pertaining to LT network in the determination of Additional Surcharge is not justifiable.

***TSDiscoms' replies***

- 3.7.2 The distribution cost has been computed in line with the approved methodology for determination of Additional Surcharge considering the ARR approved by the Commission for FY 2021-22.

***Commission's View***

- 3.7.3 The Commission has considered the distribution cost inline with the approved methodology.

**3.8 AS for H1 of FY 2022-23**

***Stakeholders' submissions***

- 3.8.1 The AS for H1 of FY 2022-23 works out to Rs.0.44/kWh based on the proposed fixed charges and transmission charges. Further, the AS has to be

reduced based on lower Open Access capacity in comparison to backed down capacity in line with the Commission's Order dated 13.12.2017 in I.A.No.22 of 2017 in O.P.No.22 of 2016 and I.A.No.23 of 2017 in O.P.No.23 of 2016 and accordingly, AS may be approved as Rs.0.05/kWh.

3.8.2 The captive consumers are not liable to pay AS.

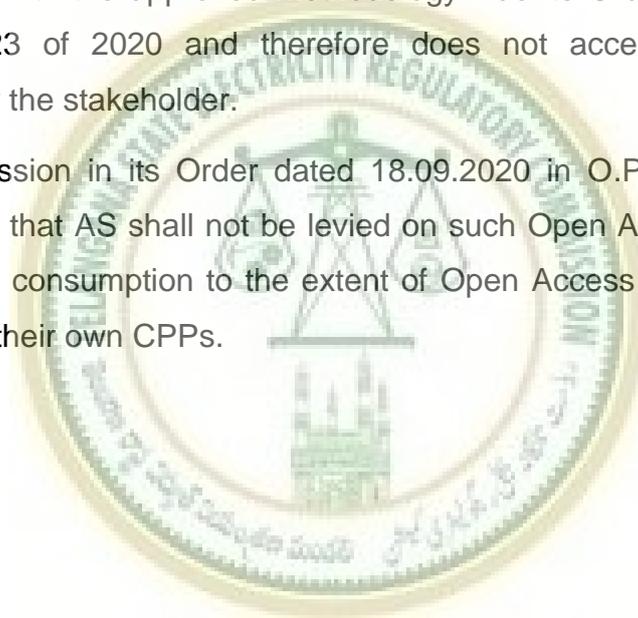
***TSDiscoms' replies***

3.8.3 The DISCOMs have not submitted any reply.

***Commission's View***

3.8.4 The fixed charges and transmission charges proposed by the stakeholder are incorrect. The Commission has determined AS for H1 of FY 2022-23 in accordance with the approved methodology vide its Order dated 18.09.2020 in O.P.No.23 of 2020 and therefore does not accept the methodology proposed by the stakeholder.

3.8.5 The Commission in its Order dated 18.09.2020 in O.P.No.23 of 2020 had clearly ruled that AS shall not be levied on such Open Access consumers for their captive consumption to the extent of Open Access availed for wheeling power from their own CPPs.



**CHAPTER 4**  
**ANALYSIS AND CONCLUSION ON DETERMINATION OF ADDITIONAL**  
**SURCHARGE FOR H1 OF FY 2022-23**

**4.1 Additional Surcharge for H1 of FY 2022-23**

***Capacity stranded due to Open Access***

4.1.1 The Commission has approved the mechanism for demonstration of stranded capacity. The Commission has perused the submissions of the TSDiscoms on 15-minute time-block data for the period from Apr'21 to Sep'21. The Commission finds that the TSDiscoms have averaged the 15-minute time block data day wise, month wise and thereafter for 6 months' period. As per the approved methodology, intermittent averages are not to be done. Accordingly, the Commission approves the long-term available capacity as 9227.98 MW and capacity stranded due to Open Access as 222.17 MW, by averaging the 15-minute time block data for six (6) months' period.

***Fixed charges for stranded capacity***

4.1.2 The TSDiscoms have claimed the fixed charges of Rs.6004.53 crore for the period from Apr'21 to Sep'21. The Commission has considered the same fixed charges. Accordingly, the fixed charges for stranded capacity has been computed as Rs.144.56 crore.

4.1.3 The TSDiscoms requested the Commission to consider any variation in fixed charges for the period from Apr'21 to Sep'21, in the final audited accounts, in the ensuing filings of Additional Surcharge. The Commission allows TSDiscoms to separately indicate the variation in fixed charges for the period from Apr'21 to Sep'21, if any, in the ensuing filings of Additional Surcharge for H2 of FY 2022-23, and to submit the detailed justification for variation in fixed charges. The Commission shall take a view on considering the same based on the submissions.

***Demand charges to be adjusted***

4.1.4 The TSDiscoms have claimed the transmission charges of Rs.2137.34 crore against the actual energy scheduled of 34112.66 MU for the period from Apr'21 to Sep'21. The Commission has considered the same transmission charges and scheduled energy. Accordingly, the transmission charges per unit has been worked out as Rs.0.63/kWh.

4.1.5 The TSDiscoms have claimed the distribution charges of Rs.1.08/kWh by considering the total distribution cost of Rs.7363.41 crore as approved for FY 2021-22 in the Amendment Order dated 01.03.2021 and dividing the same by the power purchase quantum of 68225.31 MU, purported to be for whole year of FY 2021-22. The Retail Supply Tariffs determined in the Commission's Order dated 27.03.2018 were continued for FY 2021-22 in the absence of separate Orders on determination of ARR for FY 2021-22. Therefore, the distribution cost and the quantum of energy shall have to be considered as per the Order dated 27.03.2018. Therefore, the Commission has worked out the distribution charges of Rs.0.87/kWh by considering the total distribution cost of Rs.5019.19 crore and dividing the same by the power purchase quantum of 57631.27 MU, the same as approved in Order dated 27.03.2018.

4.1.6 The total Transmission and Distribution (T&D) charges per unit works out to Rs.1.50/kWh. Considering the energy consumed by Open Access consumers from the TSDiscoms of 1785.41 MU, the T&D charges payable by the Open Access consumers works out to Rs.267.36 crore. As against the same, the demand charges recovered by TSDiscoms from Open Access consumers is Rs.186.90 crore thereby the under recovery is to the tune of Rs.80.46 crore

***Net stranded charges***

4.1.7 Based on the above, the net stranded charges work out to Rs.225.02 crore (=144.56+80.46).

***Open Access sales***

4.1.8 The TSDiscoms have claimed the Open Access sales of 645.90 MU pertaining to Open Access other than captive transactions for the period from Apr'21 to Sep'21. The Commission finds the same to be in order and hence considered the same.

***Additional Surcharge for H1 of FY 2022-23***

4.1.9 Based on the above, the Additional Surcharge, claimed by TSDiscoms and approved by the Commission is as shown in the Table below:

***Table 1: Additional Surcharge for H1 of FY 2022-23***

<b>Sl. No.</b>	<b>Particulars</b>	<b>Unit</b>	<b>Claimed in the Petition</b>	<b>Approved</b>
{A}	Long term available	MW	9227.55	9227.98

Sl. No.	Particulars	Unit	Claimed in the Petition	Approved
	capacity			
{B}	Capacity stranded due to open access	MW	222.07	222.17
{C}	Fixed Charges paid	Rs.crore	6004.53	6004.53
{D}={C}÷{A}	Fixed Charges per MW	Rs.crore/MW	0.65	0.65
{E}={D}x{B}	Fixed Charges for stranded capacity	Rs.crore	144.50	144.56
{F}	Transmission charges paid	Rs.crore	2137.34	2137.34
{G}	Actual Energy scheduled	MU	34112.66	34112.65
{H}={F}÷{G}	Transmission charges per unit	Rs./kWh	0.63	0.63
{I}	Distribution charges as per Tariff Order	Rs./kWh	1.08	0.87
{J}={H}+{I}	Total transmission and distribution charges per unit	Rs./kWh	1.71	1.50
{K}	Energy consumed by open access consumers from the TSDiscoms	MU	1785.41	1785.41
{L}={K}x{J}	Transmission and distribution charges paid by open access consumers	Rs.crore	304.56	267.36
{M}	Demand charges recovered by the TSDiscoms from open access consumers	Rs.crore	186.90	186.90
{N}={M}-{L}	Demand charges to be adjusted	Rs.crore	-117.66	-80.46
{O}={E}-{N}	Net stranded charges recoverable	Rs.crore	262.17	225.02
{P}	OA sales	MU	645.90	645.90
<b>{Q}={O}÷{P}</b>	<b>Additional Surcharge</b>	<b>Rs./kWh</b>	<b>4.06</b>	<b>3.48</b>

4.1.10 As per the above computations, the Additional Surcharge for H1 of FY 2022-23 works out to Rs.3.48/kWh. The preamble of the Electricity Act, 2003 emphasises, amongst others, “for taking measures conducive to development of electricity industry, promoting competition therein, protecting interest of consumers and rationalisation of electricity tariffs”. The Commission has to do a balancing act in fulfilment of the mandate of the Electricity Act, 2003. TSDiscoms are entitled to the Additional Surcharge computed as above but at

the same time such Additional Surcharge, being significantly higher than the present level of Additional Surcharge, could hinder the promotion of competition that the Electricity Act, 2003 advocates. Therefore, in the interest of all the stakeholders, the Commission decides to allow Additional Surcharge of Rs.1.15/kWh (i.e., ~ 33% of Rs.3.48/kWh).

4.1.11 The Additional Surcharge of Rs.1.15/kWh shall be applicable from 01.04.2022 till 30.09.2022.

4.1.12 Terms & Conditions for levy of Additional Surcharge:

- i. The Additional Surcharge determined by the Commission shall be applicable to the consumers of TSDiscoms who avail power through Open Access from any source other than their respective TSDiscom.
- ii. The Additional Surcharge shall be levied on the quantum of electricity scheduled by such consumers.
- iii. The Additional Surcharge shall not be levied on such Open Access consumers for their captive consumption to the extent of Open Access available for wheeling power from their own Captive Power Plants (CPPs).
- iv. Exemption from payment of Additional Surcharge for the eligible Open Access consumers shall be as per the Government Policy in force. TSDiscoms may take up the issue of making good of revenue loss, if any, due to such exemption with the State Government for proper relief.

**This Order is corrected and signed on this the 22<sup>nd</sup> day of March, 2022.**

**Sd/-**  
(BANDARU KRISHNAIAH)  
MEMBER

**Sd/-**  
(M.D.MANO HAR RAJU)  
MEMBER

**Sd/-**  
(T.SRIRANGA RAO)  
CHAIRMAN

**//CERTIFIED COPY//**

## **Appendix-A**

### **Schedule of Approved Additional Surcharge**

1. The Commission allowed Additional Surcharge (AS) of Rs.1.15/kWh shall be applicable for the H1 period i.e., from 01.04.2022 to 30.09.2022.
2. Terms & Conditions for levy of Additional Surcharge:
  - i. The Additional Surcharge determined by the Commission shall be applicable to the consumers of the TSDiscoms who avail power through Open Access (OA) from any source other than their respective TSDiscom.
  - ii. The Additional Surcharge shall be levied on the quantum of electricity scheduled by such consumers.
  - iii. The Additional Surcharge shall not be levied on such Open Access consumers for their captive consumption to the extent of Open Access availed for wheeling power from their own CPPs.
  - iv. Exemption from payment of Additional Surcharge for the eligible Open Access consumers shall be as per the Government Policy in force. The TSDiscoms may take up the issue of making good of revenue loss due to such exemption, if any, with the State Government for proper relief.

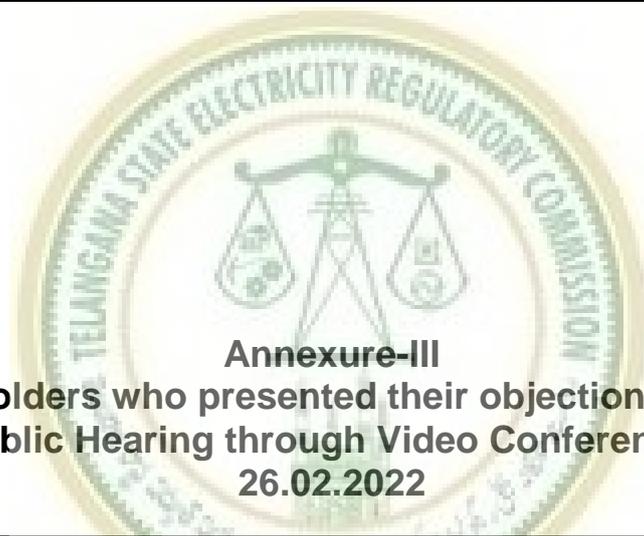


**BEFORE THE HONOURABLE**  
**TELANGANA STATE ELECTRICITY REGULATORY COMMISSION**  
**D.No.11-4-660, 5th Floor, Singareni Bhavan, Red Hills, Lakdikapool, Hyderabad 500 004**

 <b>SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED (TSSPDCL)</b>	 <b>NORTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED (TSNPDCL)</b>																																																																												
<b>PUBLIC NOTICE</b>	<b>PUBLIC NOTICE</b>																																																																												
<p>1. Notice is hereby given to all that the Distribution Company viz. Southern Power Distribution Company of Telangana Ltd. (TSSPDCL) holding Distribution and Retail Supply License No. 13 of 2000 as on 29.12.2000 filed before the Telangana State Electricity Regulatory Commission (TSERC) the Additional Surcharge for H1 of FY 2022-23. These filings have been taken on record by the Hon'ble Commission in O.P. No.61 of 2021.</p> <p>2. Copies of the filings referred are available in the office of Chief General Manager (RAC), TSSPDCL, Corporate Office, First floor, Mint Compound, Hyderabad-500063 and the Superintending Engineer, Operation circles of the Distribution Company at Banjara Hills, Hyderabad (South), Hyderabad (Central), Medchal, Cybercity, Habsiguda, Secunderabad, Rajendranagar, Saroornagar, Vikarabad, Mahabubnagar, Gadwal, Nagarkurnool, Wanaparthy, Medak, Siddipet, Sangareddy, Nalgonda, Yadadri and Suryapet. Interested persons may inspect/peruse the said filings and take note thereof during office hours at any of the said offices free of cost. These proposals are also available on <a href="http://www.tssouthernpower.com">www.tssouthernpower.com</a> and the same may be accessed at <a href="http://www.tserc.gov.in">www.tserc.gov.in</a>. A copy of these filings can be obtained from the above offices from 19.01.2022 onwards on payment of charges (in cash) for photocopying.</p> <p>3. Objections/Suggestions, if any, on the filings, together with supporting material may be sent to the Chief General Manager (RAC), TSSPDCL, Corporate Office, First floor, Mint Compound, Hyderabad-500063 in person or through Registered Post so as to reach on or before 10.02.2022 by 5 PM. A copy of the same must also be filed with the Secretary, TSERC, at the address mentioned above. The Objections/Suggestions should be duly signed and should carry full name, postal address, e-mail id and contact number of the person(s) sending the Objections/ Suggestions. If the Objections/Suggestions are filed on behalf of any organization or any category of consumers, it should be clearly mentioned. If the objector also wants to be heard in person it may also be specifically mentioned. The Objection/ Suggestion should accompany the following statement</p>	<p>1. Notice is hereby given to all that the Distribution Company viz. NORTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED (TSNPDCL) holding Distribution and Retail Supply License No.14/2000, as on 29-12-2000, filed before the Telangana State Electricity Regulatory Commission (TSERC) the Additional Surcharge for H1 of FY 2022-23. These filings have been taken on record by the Hon'ble Commission in O.P. No.62 of 2021.</p> <p>2. Copies of the filings referred are available in the office of Chief General Manager (IPC&amp;RAC), TSNPDCL, H.No.2-5-31/2, Vidyuth Bhavan, Nakkalagutta, Hanumakonda -506001 and the Superintending Engineer, Operation Circles of the Distribution Company at Warangal, Hanumakonda, Mahabubabad, Jaya Shankar (Bhupalpally), Jangaon, Karimnagar, Jagtial, Peddapally, Khammam, Bhadradi Kothagudem, Nizamabad, Kamareddy, Adilabad, Nirmal, Mancherial and Komarambheem (Asifabad). Interested persons may inspect/ peruse the said filings and take note thereof during office hours at any of the said offices free of cost. These proposals are also available on <a href="http://www.tsnpdcl.in">www.tsnpdcl.in</a> and the same may be accessed at <a href="http://www.tserc.gov.in">www.tserc.gov.in</a>. A copy of these filings can be obtained from the above offices from 19.01.2022 onwards on payment of charges (in cash) for photocopying.</p> <p>3. Objections/Suggestions, if any, on the filings, together with supporting material may be sent to the Chief General Manager (IPC&amp;RAC), TSNPDCL, H.No.2-5-31/2, Vidyuth Bhavan, Nakkalagutta, Hanumakonda-506001 in person or through Registered Post so as to reach on or before 10.02.2022 by 5 pm. A copy of the same must also be filed with the Secretary, TSERC, at the address mentioned above. The Objections/Suggestions should be duly signed and should carry full name, postal address, e-mail id and contact number of the person(s) sending the Objections/Suggestions. If the Objections/Suggestions are filed on behalf of any organization or any category of consumers, it should be clearly mentioned. If the objector also wants to be heard in person it may also be specifically mentioned. The Objection/Suggestion should accompany the following statement</p>																																																																												
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**Annexure-II**  
**List of Stakeholders who Submitted the Written Objections/  
Suggestions**

<b>Sl. No.</b>	<b>Name and address of the stakeholder</b>
1	Sri S.Surya Prakasa Rao, former Director (Commercial) erstwhile APCPDCL and former Secretary erstwhile APERC, Flat No.105, Ashok Chandra Enclave, 11-4-660, Red Hills, Hyderabad 500 004.
2	Sri M.Venugopala Rao, Senior Journalist & Convenor, Centre for Power Studies, H.No.1-100/MP/101, Monarch Prestige, Journalists' Colony, Serlingampally Mandal, Hyderabad 500 032.
3	Indian Energy Exchange Limited (IEX), Plot No.C-001/A/1, 9 <sup>th</sup> Floor, Max Towers, Sector 16B, Noida, Gautam Buddha Nagar, Uttar Pradesh 201 301.
4	The Federation of Telangana Chambers of Commerce and Industry (FTCCI), Federation House, Federation Marg, 11-6-841, Red Hills, Hyderabad 500 004



**Annexure-III**  
**List of Stakeholders who presented their objection/suggestions in  
Virtual Public Hearing through Video Conference held on  
26.02.2022**

<b>Sl. No.</b>	<b>Name and address of the stakeholder</b>
1	Sri S.Surya Prakasa Rao, former Director (Commercial) erstwhile APCPDCL and former Secretary erstwhile APERC, Flat No.105, Ashok Chandra Enclave, 11-4-660, Red Hills, Hyderabad 500 004.
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