

**BEFORE THE TELANGANA STATE ELECTRICITY REGULATORY  
COMMISSION**

AT ITS OFFICE AT 5th Floor, Singareni Bhavan, Red Hills, Hyderabad - 500 004

FILING NO.\_\_\_\_\_/21

CASE NO.\_\_\_\_\_/21

**In the matter of:**

Filing of Correction to the petition for determination of Additional Surcharge (AS) to be levied on Open Access consumers for H1 of FY2021-22 as per the directions of Hon'ble Commission in its Order dated 18.09.2020 in OP No. 23 of 2020 in accordance with the provisions of the Electricity Act, 2003 and National Tariff Policy, 2016.

**In the matter of**

NORTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED

.....Applicant

This application is filed for correction to the petition for determination of Additional Surcharge (AS) to be levied on Open Access consumers for H1 of FY2021-22.

The Licensee Respectfully submits hereunder

1. The TSNPDCL has filed a petition before Hon'ble Commission on 09-07-2021 in the matter of determination of Additional Surcharge to be levied on Open Access consumers for the First half (H1) of Financial Year 2021-22 as per the directions of Hon'ble Commission in its Order dated 18.09.2020 in OP No. 23 of 2020 in accordance with the provisions of the Electricity Act, 2003 and National Tariff Policy, 2016.
2. In the above petition, due to pendency of information of 15-minute block wise data from TSSLDC in respect of Backing down stations and Sale of power in the Market, the Licensee determined the Additional Surcharge based on Stranded Capacity arrived on "monthly average basis".
3. Subsequently, the Licensee has received 15-minute block wise information for the period from April 2020-September 2020 of the Backing down stations and Sale of power in the Market from the TSSLDC.
4. In accordance to the methodology determined in OP No. 23 of 2020 dated 18.09.2020, the Licensee has recomputed the Additional Surcharge (AS) for H1 (April 2020-September 2020) of FY2021-22 considering the block-wise Stranded Capacity.

5. Hence the licensee requests the Hon'ble Commission to consider the below computation methodology in the place of Para No. 8 of the original petition filed on 09-07-2021.
6. The licensees hereby submits the re-computed Additional Surcharge proposals for H1 of FY2021-22 considering the actual parameters pertaining to H1 of FY2020-21 in consonance with order in OP No.23 of 2020 as follows:

- The average stranded capacity due to OA consumers for the six months period (April 2020-September 2020) considering 15-minute block wise data works out as 276.17 MW. The block wise information is also herewith attached in soft copy.
- The fixed charges paid to the generators for H1 of FY2020-21 is Rs. 5,110.20 Crores and the average long term available capacity is 8210.18 MW. Thus, the average fixed charge worked out to Rs. 0.62 Crores per MW.
- Accordingly, the fixed charges for stranded capacity of 276.17 MW works out as Rs. 171.89 Crores (i.e. 276.17 MW X Rs. 0.62 Crores)
- The transmission charges paid by the Licensees' for H1 FY 2020-21 are Rs.1961.92 Crores and scheduled energy for that period is 29779.43 MUs. Thus the actual transmission cost per unit works out as Rs. 0.66 per kWh.
- The distribution wheeling charges as approved by the Commission for the FY 2020-21 is Rs. 1.01 per kWh.
- Hence, the total T & D costs works out to Rs. 1.67 per kWh.
- Based on the above mentioned values, the demand charges that are to be adjusted/(recovered) from OA consumers works out to be Rs. -2.79 Crores.
- Hence, the net stranded charges of Rs. 174.68 Crores are considered for calculation of additional surcharge.
- The projected OA sales for H1 of FY2021-22 is considered to be same as that of OA sales recorded for H1 of FY2020-21 i.e., 868.04 MU and hence the additional surcharge per unit is computed to be Rs. **2.01 per kWh**. Accordingly, the Additional Surcharge that is determined for H1 of FY 2021-22 has been tabulated below

S. No.	Particulars	Unit	Value
{A}	Long Term Available Capacity	MW	8210.18
{B}	Capacity stranded due to open access	MW	276.17
{C}	Fixed Charges paid	Rs. Crore	5110.20

S. No.	Particulars	Unit	Value
{D} = {C}÷{A}	Fixed Charge per MW	Rs. Crore/ MW	0.62
{E} = {D}×{B}	Fixed Charge for Stranded Capacity	Rs. Crore	171.89
{F}	Transmission Charge Paid	Rs. Crore	1961.92
{G}	Actual Energy Scheduled	MU	29779.43
{H} = {F}÷{G}	Transmission Charges per unit	Rs. /kWh	0.66
{I}	Distribution Charges as per Tariff Order	Rs. /kWh	1.01
{J} = {H}+{I}	Total transmission and distribution charges per unit	Rs. /kWh	1.67
{K}	Energy consumed by OA consumers from the DISCOMs	MU	1051.12
{L} = {K}×{J}	Transmission and Distribution charges paid by OA consumers	Rs. Crore	175.14
{M}	Demand Charges recovered by the DISCOMs from OA consumers	Rs. Crore	172.35
{N} = {M} - {L}	Demand Charges to be adjusted	Rs. Crore	-2.79
{O} = {E} - {N}	Net stranded charges recoverable	Rs. Crore	174.68
{P}	OA Sales	MU	868.04
<b>{Q} = {O}+{P}</b>	<b>Additional Surcharge</b>	<b>Rs. /kWh</b>	<b>2.01</b>

2. It is, therefore, prayed this Hon'ble Commission and pleased to accord approval to the licensees proposal of Additional Surcharge of Rs.2.01/kWh for H1 of FY2021-22 and pass such orders as the Hon'ble Commission may deem fit and proper.

  
 Petitioner  
**Chief General Manager**  
 IPC & RAC TSNPDCL  
 WARANGAL

Place: Hanumakonda

Dated: 20-09-2021.

**BEFORE THE HONOURABLE TELANGANA STATE ELECTRICITY  
REGULATORY COMMISSION**

At its Office at 5<sup>th</sup> Floor, Singareni Bhavan, Red Hills, Hyderabad - 500004

FILING NO. \_\_\_\_\_/2021  
CASE NO. \_\_\_\_\_/2021

**In the matter of:**

Filing of Correction to the Filing of Additional Surcharge (AS) that is to be levied on Open Access consumers for H1 of FY 2021-22 as per the directions of Hon'ble Commission in its Order dated 18.09.2020 in OP No. 23 of 2020 in accordance with the provisions of the Electricity Act, 2003 and National Tariff Policy, 2016.

**In the matter of:**

NORTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED  
... Applicant

**AFFIDAVIT OF APPLICANT VERIFYING THE ACCOMPANYING PETITION**

I, Thalakkokkula Matthusudhan, S/o Laxmipathi, aged 57 years, Occupation: Chief General Manager (IPC&RAC), TSNPDCL, Hanumakonda, R/o Hanumakonda do solemnly affirm and say as follows:

- 1) I am Chief General Manager (IPC&RAC)/TSNPDCL, I am competent and duly authorized by TSNPDCL to affirm, swear, execute and file this affidavit in the present proceedings.
- 2) I have read and understood the contents of the accompanying filing of petition for determination of Additional Surcharge to be levied on Open Access consumers for the first half (H1) of Financial Year 2021-22. The statements made in the paragraphs of accompanying application now shown to me are true to my knowledge derived from the official records made available to me and are based on information and advice received which I believe to be true and correct.

  
DEPONENT  
**Chief General Manager**  
IPC & RAC TSNPDCL  
WARANGAL

**VERIFICATION**

The above named Deponent solemnly affirm at Hanumakonda on this 20<sup>th</sup> day of September, 2021 that the contents of the above Affidavit are true to my knowledge no part of it is false and nothing material has been concealed there from.

  
DEPONENT  
**Chief General Manager**  
IPC & RAC TSNPDCL  
WARANGAL

Solemnly affirmed and signed before me.  
  
IPC & RAC, TSNPDCL  
Warangal.

Name of the Generating Station	Apr'20 to Sep'20
<b>CGS</b>	
NPC Kaiga - I& II	0
NPC-MAPS	0
NPC-Kudankulam	0
NLC ST-I	121076381.6
NLC ST-II	163688552.1
NNTPS	158595468.5
NTPC(ER) - Farakka	0
NTPC(ER)-Kahalgaon	0
NTPC(ER)-Talcher-I	0
NTPC(SR) I & II	771474951
NTPC(SR) ST III	147967935
NTPC-Simhadri -I	2277667760
NTPC-Simhadri -II	1184806025
NTPC-Talcher-ST II	552282306
NTPC KUDIGI I	1472298737
NTECL - VALLURU	679466405
NTPC ARAVALI POWER	0
NLC Tamilnadu Power Ltd	822777949
<b>CGS Total</b>	<b>8352102470</b>
APGPCL ST-I	0
APGPCL ST-I & II	0
<b>APGPCL Total</b>	<b>0</b>
<b>IPPs</b>	
M/s Thermal Powertech 570MW	4331631351
Thermal Powertech 269.45 Mw	1483205759
<b>TOTAL IPPs/MPPs</b>	<b>5814837110</b>
BTPS	1267143142
KTPS V (D)	1150608589
KTPS VI	2570200000
RTS-B	243824587
Kakatiya Stage-I	2653500000
Kakatiya Stage-II	3788500000
KTPS Stage VII	3111100000
Interest on Pension bonds	3421699998
TSGENCO-Hydel	5905775000
<b>TSGENCO-TOTAL</b>	<b>24112351316</b>
SINGARENI CCL U1&U2	7501499998
Chatthisgargh SPDCL	5321168270
<b>Total Fixed Cost Excl NCEs</b>	<b>5110.20</b>

<b>PGCIL</b>	<b>776.21</b>
PGCIL POC	6030254709
PGCIL Non POC	30301264
POSOCO (SRLDC Fees & Charges)	10126367.62

LTOA sembcorp	1691465077.00
<b>Transco</b>	<b>1158.78</b>
TSTRANSCO-TR TSNPDCL	3442471081
TSTRANSCO-TR TSSPDCL	8145341364
<b>SLDC</b>	<b>26.93</b>
TSTRANSCO-SLDC TSNPDCL	79833202
TSTRANSCO-SLDC TSSPDCL	189431702
<b>PGCIL &amp; T/m Cost</b>	<b>1961.92</b>

<b>Total</b>	<b>7072.118</b>
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<b>Particular (in MW)</b>	<b>Apr-20</b>	<b>May-20</b>	<b>Jun-20</b>	<b>Jul-20</b>	<b>Aug-20</b>	<b>Sep-20</b>	<b>Average</b>
Availible capacity	7991.62	8298.02	7900.04	7346.01	8873.58	8851.81	<b>8210.18</b>
Scheduled Capacity	6423.37	6152.85	5159.62	6174.93	6603.75	6656.89	<b>6195.23</b>
Deficit/(Surplus)	1568.25	2145.17	2740.42	1171.08	2269.83	2194.92	<b>2014.95</b>
OA Scheduled Capacity	93.91	227.20	348.52	363.35	340.93	304.20	<b>279.68</b>
<b>Stranded Capacity</b>	<b>87.95</b>	<b>227.07</b>	<b>348.52</b>	<b>362.80</b>	<b>337.55</b>	<b>293.12</b>	<b>276.17</b>
<i>Stranded Capacity arrived by considering minimum of backing down i.e., deficit and OA scheduled capacity for each 15-min block</i>							

Additional Surcharge		Unit	Filings for FY21-22 H1
			considering Actual Data of Apr'20 to Sep'20
{A}	Long term available capacity	MW	8210.18
{B}	Capacity stranded due to open access	MW	276.17
{C}	Fixed Charges paid	Rs. crore	5110.20
{D}={C}÷{A}	Fixed Charges per MW	Rs. crore/MW	0.62
{E}={D}x{B}	Fixed Charges for stranded capacity	Rs. crore	171.89
{F}	Transmission charges paid	Rs. crore	1961.92
{G}	Actual Energy scheduled	MU	29779.43
{H}={F}÷{G}	Transmission charges per unit	Rs./kWh	0.66
I	Distribution charges as per Tariff Order	Rs./kWh	1.01
{J}={H}+{I}	Total transmission and distribution charges per unit	Rs./kWh	1.67
{K}	Energy consumed by open access consumers from the DISCOM	MU	1051.12
{L}={K}x{J}	Transmission and distribution charges to be paid by open access consumers	Rs. crore	175.14
{M}	Demand charges recovered by the DISCOM from open access consumers	Rs. crore	172.35
{N}={M}-{L}	Demand charges to be adjusted	Rs. crore	-2.79
{O}={E}-{N}	Net stranded charges recoverable	Rs. crore	174.68
{P}	Open access sales	MU	868.04
{Q}={O}÷{P}	Additional Surcharge computed	Rs./kWh	<b>2.01</b>