



**Southern Power Distribution Company of Telangana Limited**

#6-1-50, Corporate Office, Mint Compound, Hyderabad 500 063

Phone No.(040) 2343 1008 Fax Nos.(040) 2343 1395/1452 website [www.tssouthernpower.com](http://www.tssouthernpower.com)

From  
Chief Engineer (RAC),  
TGSPDCL, Corporate Office,  
6-1-50, Mint Compound,  
Hyderabad – 500 063.

To  
The Secretary,  
TGERC, 11-4-660,  
5<sup>th</sup> Floor, Singareni Bhavan  
Red Hills, Hyderabad.

**Lr. No.CE(RAC)/SE(RAC)/DE(RAC)/F.No.e-685635/D.No.232/24, Dt: 11-07-2024.**

Sir,

Sub: - TGSPDCL – RAC - Filing of ARR & Wheeling Tariff proposals for  
Distribution Business for 5<sup>th</sup> Control Period (FY 2024-25 to  
FY 2028-29) – Reg

- Ref: - 1. Regulation No. 2 of 2023 Notified by Hon'ble TGERC vide No.  
TGERC/849/2023, Dated: 30.12.2023.  
2. TGERC Order on continuation of Wheeling Tariff of FY 2023-24  
for FY 2024-25 Dated: 15.03.2024

\* \* \*

The Licensee is herewith submitting the petition of ARR &  
Determination of Wheeling Tariff of Distribution Business for 5<sup>th</sup> Control  
Period (i.e., FY 2024-25 to FY 2028-29) in compliance with the reference  
cited above along with Condonation Delay Petition with a request to place  
the same before the Hon'ble Commission for approval.

Yours faithfully

- Encl: 1. Petition in 6 sets  
2. Condonation Delay Petition 6 sets.

Chief Engineer (RAC)  
TGSPDCL, Gr. Hyderabad.

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RAC



**BEFORE THE TELANGANA STATE ELECTRICITY REGULATORY  
COMMISSION**

AT ITS OFFICE AT 5<sup>th</sup> Floor, Singareni Bhavan, Red Hills, Hyderabad - 500 004

**FILING NO.** \_\_\_\_\_/2024

**CASE NO.** \_\_\_\_\_/2024

**In the matter of**

Application for condonation of delay for Filing of the ARR & Wheeling Tariff application for the Distribution Business for 5<sup>th</sup> Control Period (FY 2024-25 to FY 2028-29) under Multi-Year-Tariff principles in accordance with the Telangana State Electricity Regulatory Commission (Multi-Year-Tariff) Regulation (Regulation 2 of 2023) by the Southern Power Distribution Company of Telangana Limited (TGSPDCL).

**In the matter of**

SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA  
LIMITED

.....Applicant

**The applicant respectfully submits the reasons for delay in filing  
petition are as under:**

1. The Hon'ble Commission has notified the new MYT Regulation 2 of 2023 on 30.12.2023, where the timelines for submission of petition for Distribution ARR for 5<sup>th</sup> Control Period is 31.01.2024.
2. Due to paucity of time, for preparation of Distribution ARR in terms of New MYT Regulation 2 of 2023, the licensee was unable to file petition for Distribution ARR and determination of Wheeling Charges as per the above time lines.
3. The Licensee required to collect additional information in terms of MYT Regulation 2 of 2023, for preparation and incorporation in the Distribution ARR of 5<sup>th</sup> Control Period.
4. As it was near to the Closure of Financial Year 2023-24 and for considering the Audited Accounts Data pertaining to FY 2023-24 for projections of 5<sup>th</sup> Control Period for preparation of Distribution ARR, the licensee required additional time for gathering above information.

5. Enforcement of Model Code of Conduct during March to June' 2024, in view of General Elections to the Parliament House - Loksabha -2024.
6. In view of the aforementioned reasons, the licensee could not file the petition for Distribution ARR and determination of Wheeling Tariff for 5<sup>th</sup> Control Period in the stipulated timeline.
7. Hence, licensee humbly requests the Hon'ble Commission to condone the delay in filing the petition for Distribution ARR and determination of Wheeling Tariff for 5<sup>th</sup> Control Period.

**Prayer**

8. In the aforesaid facts and circumstances, the petitioner humbly prays the Hon'ble Commission to:
  - (i) Condone the delay in filing of the petition for Distribution ARR and determination of Wheeling Tariff for 5<sup>th</sup> Control Period for the reasons stated above.

ok

AAO/11/24  
RAC

RAC

DEI  
RAC

SE/11/2  
RAC

  
Petitioner

CHIEF ENGINEER  
(RAC) TGSPDCL  
Corporate Office, 6-1-50,  
Mint Compound, Hyd-500 004

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

AT ITS OFFICE AT 5<sup>th</sup> Floor, Singareni Bhavan, Red Hills, Hyderabad - 500 004

**FILING NO.** \_\_\_\_\_/2024

**CASE NO.** \_\_\_\_\_/2024

**In the matter of**

Application for condonation of delay for Filing of the ARR & Wheeling Tariff application for the Distribution Business for 5<sup>th</sup> Control Period (FY 2024-25 to FY 2028-29) under Multi-Year-Tariff principles in accordance with the Telangana State Electricity Regulatory Commission (Multi-Year-Tariff) Regulation (Regulation 2 of 2023) by the Southern Power Distribution Company of Telangana Limited (TGSPDCL) there of.

**In the matter of**

SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA  
LIMITED

.....Applicant

**AFFIDAVIT OF APPLICANT VERIFYING THE ACCOMPANYING PETITION**

I, Sri Ch. Chakrapani, <sup>S/o</sup> Sri NARSAIAH aged 56 years, Occupation: Chief Engineer (RAC), TGSPDCL, Hyderabad, R/o Hyderabad do solemnly affirm and say as follows:

- 1) I am Chief Engineer (RAC)/TGSPDCL, I am competent and duly authorized by TGSPDCL to affirm, swear, execute and file this petition.
- 2) I am competent and duly authorized by TGSPDCL to affirm, swear, execute and file this petition.
- 3) I have read and understood the contents of the accompanying Affidavit drafted pursuant to my instructions. The statements made in the accompanying Affidavit 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 ENGINEER**  
(RAC) TGSPDCL  
Corporate Office, 6-1-50,  
Mint Compound, Hyd-500 004.

VERIFICATION

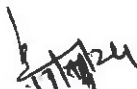
I, the above named Deponent solemnly affirm at Hyderabad on this 11<sup>th</sup> day of July, 2024 that the contents of the above Affidavit are true to my knowledge no part of it is false and nothing material has been concealed there from.


*V. Anil Kumar*  
Solemnly affirmed and signed before me.

**COMPANY SECRETARY**  
TGSPDCL, Corporate Office,  
6-1-50, Mint Compound,  
Hyderabad-500 004.

  
DEPONENT  
**CHIEF ENGINEER**  
(RAC) TGSPDCL  
Corporate Office, 6-1-50,  
Mint Compound, Hyd-500 004.

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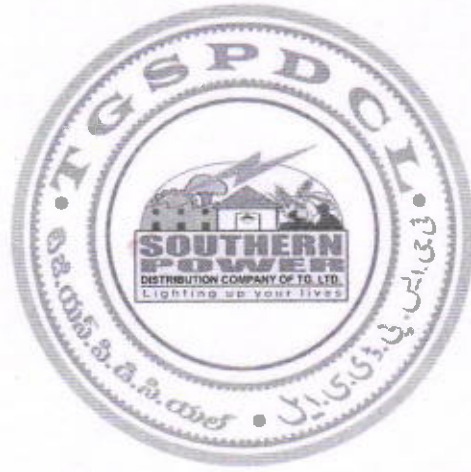
  
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SEP 11/24  
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# **SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED**

(Distribution & Retail Supply Licensee)



**Filing of ARR & Proposed Wheeling Tariffs  
for  
Distribution Business  
for  
Fifth Control Period (FY 2024-25 to FY 2028-29)**

**11<sup>th</sup> July 2024**

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

At its office at 5<sup>th</sup> Floor, Singareni Bhavan, Red Hills, Hyderabad 500 004

**FILING NO. \_\_\_\_\_/2024**

**CASE NO. \_\_\_\_\_/2024**

In the matter of:

**Filing of the ARR & Tariff applications for the Distribution Business for 5<sup>th</sup> Control Period (FY2024-25 to FY2028-29) under Multi-Year-Tariff principles in accordance with the TELANGANA STATE ELECTRICITY REGULATORY COMMISSION (MULTI YEAR TARIFF) REGULATION (Regulation No. 2 of 2023) by the Southern Power Distribution Company of Telangana Limited ('TGSPDCL' or 'the Company' or 'the Licensee') as the Distribution Supply Licensee.**

In the matter of:

**SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED**

... Applicant

The Applicant respectfully submits as under:-

**Introduction of MYT framework for determination of Tariff**

1. The earlier Commission notified the Andhra Pradesh Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff for Wheeling and Retail Sale of Electricity) Regulation, 2005 (Regulation No.4 of 2005) on 14.11.2005. This regulation introduced Multi-Year-Tariff framework and specified the principles and procedures of filings. Hon'ble TGERC revised the above regulations and published the TGERC (MYT) Regulation 2023 (which supersedes the above mentioned APERC 2005 Regulation). Accordingly, the Licensee has to make the filing for their Aggregate Revenue Requirement (ARR) along with its Filings for Proposed Tariff (FPT) with the Commission for determination of Wheeling Charges for five years period called Control Period.
2. Hon'ble TGERC has published the TGERC (MYT) Regulation No.2 of 2023 on 30.12.2023, where the timelines for submission of the Distribution Business ARR is given as 31.01.2024.

3. The Licensee humbly prays to the Hon'ble Commission to condone the delay in filing the MYT ARR & Tariff Petition for Distribution Business for Fifth Control period (FY 2024-25 to FY 2028-29) for the reasons as explained in the various Petitions filed before the Commission on this subject matter.

#### **Past ARR & FPT Filings by Licensee for Distribution Business**

4. The TG Discoms have submitted the filings for Distribution Business for the 4th control Period on 16th December 2019.
5. After comprehensive public consultation process on the filings, the Hon'ble Commission passed orders on 29th April, 2020 for Distribution Business for the 4th control Period.

#### **Present ARR & Tariff applications for 5<sup>th</sup> Control Period of Distribution Business**

6. Accordingly, this filing is made by the Southern Power Distribution Company of Telangana Limited (TGSPDCL) under section 61 of the Electricity Act, 2003 for determination of the ARR and Tariff for the Distribution Business for 5th control period viz., FY2024-25 to FY2028-29.
7. The ARR and Tariff Proposals ("Wheeling Charges") for the Distribution Business of the licensee for the 5th control period (FY2024-25 to FY2028-29), includes
  - (a) Aggregate Revenue Requirement for 5th control period (FY2024-25 to FY2028-29) for the Distribution Business.
  - (b) Wheeling Tariff Proposals for 5th control period (FY2024-25 to FY2028-29) for Distribution Business.

#### **Capital Investment Plan for 5th control period**

8. The licensee has prepared a detailed capital investment plan for the 5th control period FY 2024-25 to FY 2028-29 based on a comprehensive analysis of state of the existing network loading conditions and the expected future loading of the



network during each year of the 5th control period based on the projected load growth.

The licensee has estimated the Base Capex for all the years of the 5<sup>th</sup> control period (as the Network projections and Cost thereof and actual values for FY 2023-24 are more than for FY 2024-25 approved in Capital Investment Plan of Resource plan by Hon'ble TGERC) and Other Capex as approved by Hon'ble TGERC in Capital Investment plan of Resource plan for each of the years of the 5<sup>th</sup> Control Period i.e., FY 2024-25 to FY 2028-29.

The following table provides summary of the investment plan (estimated Base Capex) for each of the years of the 5th Control Period

(All figures in Rs. crore)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29	Total Control Period (FY 25-29)
Base Capex	4,154	5,036	6,367	6,277	6,569	28,402
Other Capex	640	750	828	903	935	4,055
<b>Total Capex for DISCOM</b>	<b>4,794</b>	<b>5,785</b>	<b>7,194</b>	<b>7,180</b>	<b>7,504</b>	<b>32,457</b>

**Aggregate Revenue Requirement (ARR) for each year of 5th control period**

9. The ARR for the Distribution business for each year of 5th control period is determined as follows.

All figures in Rs. crore

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Operation and Maintenance Charges	3,912	4,216	5,303	5,716	6,158
Depreciation	976	1,205	1,526	1,903	2,310
Interest and finance charges on Loan	535	710	972	1,273	1,577
Interest on working capital	131	150	190	218	247
Return on Equity	264	401	585	805	1042
<b>Total Expenditure</b>	<b>5,818</b>	<b>6,682</b>	<b>8,576</b>	<b>9,914</b>	<b>11,334</b>
<b>Less</b>					
Income from Open Access charges	1.21	1.19	1.28	1.27	1.24
Non-Tariff income	154	157	160	163	166
Income from Other Business	-	-	-	-	-
<b>Net Distribution ARR</b>	<b>5,663</b>	<b>6,525</b>	<b>8,415</b>	<b>9,750</b>	<b>11,166</b>

## Wheeling Charges Proposals

### Rationale for computation methodology adopted for determination of wheeling charges

- For inter-state transmission system, consisting of 765KV, 400KV, 220KV the Hon'ble CERC is determining the aggregate transmission losses and charges irrespective of voltage level.
- For intra-state transmission system, consisting of 765KV, 400KV, 220KV and 132KV the Hon'ble TGERC is determining the aggregate transmission losses and charges irrespective of voltage level.
- However, for distribution system consisting of 33KV, 11KV and LT, the Hon'ble TGERC is determining the voltage wise losses and charges which is different from the procedure followed in respect of transmission system.
- The Ministry of Power, Government of India, issued the notification dated 10th January'2024 stating that wheeling charges shall be computed as per the following formula:

$$\text{Wheeling Charges} = \frac{\text{Annual Revenue Requirement towards wheeling}}{\text{Energy wheeled during the year}}$$

- Subsequently, the Ministry of Power, Gol, issued the notification dated 17th January'2024 stating that wheeling charges shall be computed as per the following formula.

$$\text{Wheeling Charges} = \frac{\text{Annual Revenue Requirement towards wheeling}}{\text{Energy wheeled during the year}}$$

Provided that, the appropriate commission may determine the wheeling charges at different voltage levels separately in accordance with the above formula.

It is only a suggestion by MoP, Gol to Hon'ble TGERC and is not mandatory.

Additionally, with respect to the policies and incentives launched and rolled out by Gol, the following points may kindly be taken into consideration to allow wheeling charges to be charged irrespective of voltage levels:

- The roof-top solar installations are increasing at a rapid pace under Net Metering/Gross Metering/PM Surya Ghar schemes launched by Gol. As such, when the consumer loads under such metering are low, the surplus power generation will flow in reverse direction to 11 KV system.
- In PM-KUSUM Comp-'C', the solar power plants of capacities 0.5 to 2MW are coming up in 11KV system at rapid pace. During the periods of non-agriculture loads, the solar power generated will flow in reverse direction to 33 KV system.
- In PM-KUSUM Comp-'B' - Grid tied Solar pump sets: during the periods of non-operation of solar pump sets after yielding crops, the solar power generated will flow in reverse direction to 33KV system.
- Reduction in the cost of the Solar Panels and rules and regulations framed by the Government are encouraging the installation of Solar power plants and is increasing rapidly and there is a possibility of reverse flow of power from 11KV to 33 KV system.
- Hybrid Solar and Wind systems are coming up leading to continuous generation of power and there is a possibility of Reverse flow of power during the periods of Low-loads.
- Battery Energy Storage System may come up under LT and 11KV systems and there is a likely possibility of Reverse flow of power during the periods of Low-loads from 11KV to 33KV systems.

Under the above stated conditions of distributed power generation scenarios, the Distribution Losses will increase and the Licensee will always face High Energy Losses in the Network burdening with high Network Cost.

In view of the above, the Licensee proposes the Aggregate Distribution Losses and Charges irrespective of the Voltage level on par with Inter and Intra State Transmission system to mitigate financial losses.

The licensee has computed the ARR for the distribution business and it forms the basis for determination of wheeling charges.

**Computation of Wheeling Tariffs:**

As per Electricity (Amendment) Rules, 2024 dated 10th January 2024, clause 22, wheeling charges may be computed irrespective of voltage levels similar to the case of Inter State and Intra State Transmission Business as per the formula specified.

$$\text{Wheeling Charges} = \frac{\text{Annual Revenue Requirement towards wheeling}}{\text{Contracted Capacity at Consumer end}}$$

In accordance with the above rules, the aggregate wheeling tariffs are proposed irrespective of voltage levels in Rs/kVA/Month.

Wheeling Tariff – Rs /kVA/month						
Particulars	UoM	2024-25	2025-26	2026-27	2027-28	2028-29
Distribution ARR	Rs Cr	5,663	6,525	8,415	9,750	11,166
Contracted Capacity at Consumer end	MVA	10,719	11,435	12,206	13,034	13,925
Wheeling Charges	Rs/kVA/Month	440	475	575	623	668

10. The licensee is proposing the following distribution wheeling charges for each year of the 5th control period.

Wheeling Tariff – Rs/kVA/month					
	2024-25	2025-26	2026-27	2027-28	2028-29
Wheeling Charges (Rs/kVA/Month)	440	475	575	623	668

11. Based on the information available, the Applicant has made sincere efforts to comply with the Regulation of the Hon'ble Commission and discharge its obligations to the best of its abilities. However, should any further material information become available in the near future, the Applicant reserves the right to file such additional information and consequently amend/revise the application.

12. This filing has been approved by the Chairman & Managing Director of TGSPDCL and Sri Ch. Chakrapani, Chief Engineer/RAC of TGSPDCL has been authorized to execute and file the said document on behalf of TGSPDCL. Accordingly, the current filing documents are signed and verified by and backed by the affidavit of Sri Ch. Chakrapani, Chief Engineer/RAC of TGSPDCL.

13. In the aforesaid facts and circumstances, the Applicant request that this Hon'ble Commission may be pleased to:

- Take the accompanying ARR and Wheeling Tariff application of TGSPDCL on record for Distribution Business and treat it as complete
- Grant suitable opportunity to TGSPDCL within a reasonable time frame to file additional material information that may be subsequently available
- Consider and approve TGSPDCL's ARR and Tariff application including all requested regulatory treatments in the filing
- Pass such order as the Hon'ble Commission may deem fit and proper in the facts and circumstances of the case

**SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED**

...Applicant

Through

Place: Hyderabad  
Dated: 11.07.2024

  
Chief Engineer/RAC  
TGSPDCL Hyderabad.  
Corporate Office, 6-1-50,  
Mint Compound, Hyd-500 004.

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

At its office at 5<sup>th</sup> Floor, Singareni Bhavan, Red Hills, Hyderabad 500 004

FILING NO. \_\_\_\_\_/2024

CASE NO. \_\_\_\_\_/2024

In the matter of:

**Filing of the ARR & Tariff applications for the Distribution Business for 5th control period (FY2024-25 to FY2028-29) under Multi-Year-Tariff principles in accordance with the TELANGANA STATE ELECTRICITY REGULATORY COMMISSION (MULTI YEAR TARIFF) REGULATION (Regulation No. 2 of 2023 by the Southern Power Distribution Company of Telangana Limited ('TGSPDCL' or 'the Company' or 'the Licensee') as the Distribution Supply Licensee.**

In the matter of:

**SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED**

... Applicant

**Affidavit of Applicant verifying the application filed under section 64 of the Electricity Act, 2003 and in accordance with the Regulation 2 of 2023.**

I, Sri Ch. Chakrapani , S/o Sri Narsaiah aged 56 years, Occupation: Chief Engineer (RAC), TGSPDCL, R/o Hyderabad, working for gain at the Southern Power Distribution Company of Telangana Limited do solemnly affirm and say as follows:

- 1 I am the Chief Engineer/RAC of Southern Power Distribution Company of Telangana Limited (TGSPDCL).
- 2 I am competent and duly authorized by TGSPDCL to affirm, swear, execute and file this affidavit in the present proceedings.
- 3 As such, I submit that I have been duly authorized by the Board of Directors of TGSPDCL to submit the application of TGSPDCL for determination of ARR and wheeling charges of Distribution Business for 5<sup>th</sup> control period (FY2024-25 and FY2028-29) as per Terms and Conditions of Telangana State

Electricity Regulatory Commission (Multi Year Tariff) Regulation, 2023 (Regulation No. 2 of 2023), to the Hon'ble Commission.

- 4 I submit that I have read and understood the contents of the appended application of TGSPDCL. The facts stated in the application are true to the best of my knowledge, which are derived from the official records made available and certain facts stated are based on information and advice which, I believe to be true and correct.
- 5 I submit that for the reasons, and facts stated in the appended application, this Applicant pray that the Hon'ble Commission may be pleased to
- a) Take the accompanying ARR and Tariff application for Distribution Business of TGSPDCL on record and treat it as complete;
  - b) Grant suitable opportunity to TGSPDCL within a reasonable time frame to file additional material information that may be subsequently available;
  - c) Consider and approve TGSPDCL'S ARR and Tariff application for Distribution Business including all requested regulatory treatments in the filing;
  - d) Pass such order as the Hon'ble Commission may deem fit and proper in the facts and circumstances of the case.

VERIFICATION:

*[Handwritten signatures and initials]*  
RAC RAC DEP RAC

*[Handwritten signature]*  
**CHIEF ENGINEER**  
**(RAC) TGSPDCL**  
Corporate Office, 6-1-50,  
Mint Compound, Hyd-500 004

I, the above named Deponent solemnly affirm at Hyderabad on this 11 day of July 2024 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.

*V. Anil Kumar.*

Solemnly affirmed and signed before me.

**COMPANY SECRETARY**  
**TGSPDCL, Corporate Office,**  
**6-1-50, Mint Compound,**  
**Hyderabad-500 004.**

*[Handwritten signatures and initials]*  
DEP RAC SEP RAC

*[Handwritten signature]*  
**CHIEF ENGINEER**  
**DEPONENT**  
**(RAC) TGSPDCL**  
Corporate Office, 6-1-50,  
Mint Compound, Hyd-500 004.

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## Abbreviations

AB Cable	Aerial Bundled Cable
ARR	Aggregate Revenue Requirement
A&G	Administration & General
AMR	Automatic Meter Reading
AT&C	Aggregate Technical & Commercial
CAGR	Compound Annual Growth Rate
CC	Consumer Contributions
CEA	Central Electricity Authority
CPI	Consumer Price Index
CT/PT	Current Transformer- Potential Transformer
CWIP	Capital Work In Progress
DA	Dearness Allowance
DDUGJY	Deen Dayal Upadhaya Gram Jyoti Yojana
DISCOM	Distribution Company
DNR	Distribution Network Renovation
DTR	Distribution Transformer
D/E Ratio	Debt to Equity ratio
EE	Employee Expenses
EHT	Extra High Tension
ERP/IT	Enterprise Resource Planning – Information Technology
FDA	Fully Depreciated Assets
FPT	Filing for Proposed Tariff
FRP	Financial Restructuring Plan
FSA	Fuel Surcharge Adjustment
FY	Financial Year
GFA	Gross Fixed Assets
GIS	Geographic Information System
GoI	Government of India
GoTS	Government of Telangana
HT	High Tension
IDC	Interest During Construction
IE Rules	Indian Electricity Rules, 1956
IPDS	Integrated Power Development Scheme
JICA	Japan International Cooperation Agency
kV	Kilo Volt
LT	Low Tension
MAT	Minimum Alternate Tax
MRI	Meter Reading Instrument
MoP	Ministry of Power
MoU	Memorandum of Understanding
MU	Million Units
MVA	Mega Volt Ampere
MW	Mega Watt
MYT	Multi Year Tariff
NTI	Non Tariff Income
O&M	Operation and Maintenance
OCFA	Original Cost of Fixed Assets
OH line	Overhead power line
UG cable	Underground Cable
WACC	Weighted Average Cost of Capital
WC	Working Capital

WPI	Wholesale Price Index
PAA	Private Accounting Agencies
PFC	Power Finance Corporation Ltd.
PTR	Power Transformer
R&M	Repairs and Maintenance
RAPDRP	Restructured Accelerated Power Development & Reforms Programme
REC	Rural Electrification Corporation Ltd.
RoE	Return on Equity
GGVY	Rajeev Gandhi Grameen Vidyuti karan Yojana
RMU	Ring Main Unit
RoCE	Return on Capital Employed
RoSC	Release of Services
RT-DAS	Real Time Data Acquisition System
RRB	Regulated Rate Base
SCADA	Supervisory Control & Data Acquisition
SS	Sub Station
ST&D	Sub-Transmission & Distribution
T&D	Transmission and Distribution
TGERC	Telangana State Electricity Regulatory Commission
UDAY	Ujwal DISCOM Assurance Yojana

## Glossary

**"1<sup>st</sup> Control Period"** refers to the period from FY 2006-07 to FY 2008-09.

**"2<sup>nd</sup> Control Period"** refers to the period from FY 2009-10 to FY 2013-14.

**"3<sup>rd</sup> Control Period"** refers to the period from FY 2014-15 to FY 2018-19.

**"4<sup>th</sup> Control Period"** refers to the period from FY 2019-20 to FY 2023-24.

**"5<sup>th</sup> control period"** refers to the period from FY 2024-25 to FY 2028-29.

**"Aggregate Revenue Requirement (ARR)"** means the revenue required to meet the costs pertaining to the licensed business; herein Distribution Business, for the control period, which would be permitted to be recovered through tariffs and charges by the Hon'ble Commission.

**"Base Year"** means the financial year immediately preceding the first year of the Control Period.

**"Coincident Demand (CID)"** in MW of a consumer category means estimated contribution of that category to the system peak demand i.e., the load of the corresponding consumer category at the system peak hour.

**"Compound Annual Growth Rate (CAGR)"** is the mean annual growth rate over a specified period of time longer than one year. CAGR is calculated as

$$N \text{ year CAGR} = (\text{Final value}/\text{Initial Value})^{1/N} - 1$$

**"Control Period"** means multi year period fixed by the Hon'ble Commission from time to time, usually 5 years.

**"Current year"** refers to FY: 2023-24.

**"Consumer/User Contributions"** means any contributions made by those using or intending to use the Distribution network of a licensee for supply or wheeling of electricity. Any grant received by the licensees would also be treated as Consumer/User Contribution.

**"Distribution Business"** means the business of operating and maintaining a distribution system for supplying electricity in the area of supply of the Distribution Licensee in terms of the Distribution and Retail Supply License.

**"Distribution Licensee"** means a licensee authorized to operate and maintain a distribution system for supplying electricity to the consumers in his area of

supply. **"Distribution Cost"** refers to the distribution cost borne by the licensee to serve the consumers within the area of supply and not availing supply under Open Access.

**"Distribution Losses"** means aggregate technical and commercial losses from LT level to 33kV voltage.

**"Ensuing control period"** refers to period from FY 2024-25 to FY 2028-29.

**"Financial Year"** means the period commencing on 1<sup>st</sup> April of a calendar year and ending on 31<sup>st</sup> March of the subsequent calendar year.

**"Financial Restructuring Plan (FRP)"** is a Government scheme formulated to enable the turnaround of the State DISCOMs and ensure their long term viability.

**"Licensee"** hereafter refers to TGSPDCL.

**"LT"** refers to a voltage of 415V (Three phase supply) and 230V (Single phase supply).

**"HT"** refers to a voltage of 11 kV and above but less than 132 kV.

**"EHT"** refers to a voltage of 132 kV and above.

**"Non Tariff Income"** means income relating to the licensed business other than from tariffs for wheeling and retail sale, and excludes any income from other business and income on account of Fuel Surcharge Adjustment, Cross Subsidy Surcharge and Additional Surcharge.

**"Operation & Maintenance Expenses"** comprises Employee Expenses, Administrative & General expenses and Repairs and Maintenance (R&M) expenses

**"Regulated Rate Base (RRB)"** is the value of the fixed assets net off consumer contributions and accumulated depreciation.

**"Wheeling tariff/charges"** are the charges paid by a consumer for availing the facilities of a distribution system of a distribution licensee for conveyance of electricity.

**"True up/down"** refers to loss/gain to the Distribution Company due to under or over recovery of costs/revenue against Tariff Order approved values.

## 1 INTRODUCTION

### Introduction of MYT framework for determination of Tariff

- a) The earlier Commission notified the Andhra Pradesh Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff for Wheeling and Retail Sale of Electricity) Regulation, 2005 (Regulation No.4 of 2005) on 14.11.2005. This regulation introduced Multi-Year-Tariff framework and specify the principles and procedures of filings. Hon'ble TGERC revised the above regulations and published the TGERC (MYT) Regulation 2023 (which supersedes the above mentioned APERC 2005 Regulation). Accordingly, the Licensee has to make the filing for their Aggregate Revenue Requirement (ARR) along with its Filings for Proposed Tariff (FPT) with the Commission for determination of Wheeling Charges for five years period called Control Period.
- b) Hon'ble TGERC has published the TGERC (MYT) Regulation No.2 of 2023 on 30.12.2023, where the timelines for submission of the Distribution Business ARR is given as 31.01.2024.
- c) The Licensee humbly prays the Hon'ble Commission to condone the delay in filing the MYT ARR & Tariff Petition for Distribution Business for Fifth Control period (FY 2024-25 to FY 2028-29) for the reasons as explained in the various Petitions filed before the Commission on this subject matter.
- d) Accordingly, this filing is made by the Southern Power Distribution Company of Telangana Limited (TGSPDCL) under section 61 of the Electricity Act, 2003 for determination of the ARR and Tariff for the Distribution Business for 5th control period viz., FY2024-25 to FY2028-29.
- e) The ARR and Tariff Proposals ("Wheeling Charges") for the Distribution Business of the licensee for the 5<sup>th</sup> Control Period (FY2024-25 to FY2028-29), includes
  - i. Aggregate Revenue Requirement for 5<sup>th</sup> control period (FY2024-25 to FY2028-29) for the Distribution Business.
  - ii. Wheeling Tariff Proposals for 5<sup>th</sup> control period (FY2024-25 to FY2028-29) for Distribution Business.

## 2 CAPITAL EXPENDITURE PLAN

In accordance to Clause 9 of APERC Regulation 4 of 2005 as adopted by TGERC vide Regulation No. 1 of 2014, the Distribution licensee has filed Resource Plan for the 5<sup>th</sup> control period i.e. from FY 2024-25 to 2028-29 which inter alia contains Sales Forecast, Distribution loss trajectory, Load Forecast and Distribution Plan as per the guidelines for the approval of the Hon'ble Commission on 31.10.2018. The licensee has adopted the Distribution Plan in the Resource Plan order as approved by Hon'ble TGERC in the current Multi-Year and Annual filings along with certain estimates of TGSPDCL as the case may be.

### 2.1 BASE CAPEX NETWORK ADDITIONS

The Distribution Plan is prepared considering all the network elements required for system expansion to cater to the load growth and network strengthening. The same has been considered based on TGSPDCL's estimates basis, the existing loading of transformers and substations.

The network additions considered for Base Capex has been summarized below:

Element	Unit	2024-25	2025-26	2026-27	2027-28	2028-29	5th Control Period Total
Substation Additions	Nos.	135	167	206	227	273	1008
PTR Additions	Nos.	40	69	54	57	62	282
PTR Augmentation	Nos.	62	76	81	96	110	425
Feeder Additions	Nos.	3	6	23	25	26	83
DTR Additions	Nos.	23094	23908	24914	25807	26909	124632

### 2.2 BASE CAPITAL INVESTMENT

The licensee has estimated the the Base Capex for all the years of the 5th control period (as the Network projections and Cost thereof and actual values for FY 2023-24 are more than for FY 2024-25 approved in Capital Investment Plan of Resource plan by Hon'ble TGERC)

Network Element	Unit	2024-25	2025-26	2026-27	2027-28	2028-29	5th Control Period Total
Sub-Stations	Rs. Crs	699	1,006	1,257	1,420	1,794	6,176
Smart Meters	Rs Crs	2,051	2,461	3,419	3,008	2,735	13,675
PTR Addition & Upgradation	Rs. Crs	71	120	102	122	152	566
Feeder Addition	Rs. Crs	1	2	8	9	11	31
DTR Addition	Rs. Crs	1,332	1,446	1,580	1,717	1,878	7,954
<b>Total</b>	<b>Rs. Crs</b>	<b>4,154</b>	<b>5,036</b>	<b>6,367</b>	<b>6,277</b>	<b>6,569</b>	<b>28,402</b>

### 2.3 OTHER CAPITAL EXPENDITURE PLAN

Resource plan order for 5<sup>th</sup> Control Period contains approved other capital expenditure which *inter alia* contains expenditure plan for AT&C Loss reduction, Reliability improvement, contingency measures, Renovation & Modernization of existing assets, network additions for new consumer additions, Technology upgradation, civil infrastructure development. The details of Other Capital Expenditure approved for the 5th control period is summarized below:

*Figures in Rs. Crores*

S.No	Investment Area	2024-25	2025-26	2026-27	2027-28	2028-29	5th Control Period Total
a)	<b>AT &amp; C Loss Reduction</b>	25	25	24	24	16	113
b)	<b>Reliability Improvement &amp; Contingency Schemes</b>	236	306	321	337	354	1,554
c)	<b>Renovation &amp; Modernization</b>	11	11	12	14	15	63
d)	<b>Technology Upgradation</b>	27	20	13	15	8	82
e)	<b>New Consumer Capex</b>	139	150	161	173	185	807
f)	<b>Civil Infrastructure Development</b>	2	2	3	1	2	10
g)	<b>Misc Project cost</b>	41	58	80	90	99	368
h)	<b>AGL feeder Segregation</b>	160	178	213	249	257	1,057
	<b>Total Other Capex</b>	<b>640</b>	<b>750</b>	<b>828</b>	<b>903</b>	<b>935</b>	<b>4,055</b>

## 2.4 TOTAL CAPITAL EXPENDITURE

The total capital Expenditure projections for base and other capex has been summarized below:

*Figures in Rs. Crs*

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29	Total Control Period (FY 25-29)
Base Capex	4,154	5,036	6,367	6,277	6,569	28,402
Other Capex	640	750	828	903	935	4,055
<b>Total Capex for DISCOM</b>	<b>4,794</b>	<b>5,786</b>	<b>7,195</b>	<b>7,180</b>	<b>7,504</b>	<b>32,457</b>



### 3 ARR OF DISTRIBUTION BUSINESS FOR FIFTH CONTROL PERIOD

#### **TGERC Regulation 2 of 2024 states that**

"Multi Year Tariff petition shall be filed by 30th November of the year preceding the first year of the Control Period by distribution licensee (for retail supply business) comprising:

- i. True-up of preceding year;*
- ii. Aggregate Revenue Requirement for each year of the Control Period;*
- iii. Revenue from retail sale of electricity at existing tariffs & charges and projected revenue gap for the first year of the Control Period;*
- iv. Proposal of consumer category wise retail supply tariff and charges for first year of the Control Period.*

..  
..  
..  
"the Distribution Wheeling Business for the respective Years of the Control Period, as approved by the Commission and comprising the following components:

- a) Operation and maintenance expenses;*
- b) Depreciation;*
- c) Interest and finance charges on Loan;*
- d) Interest on working capital;*
- e) Return on Equity;*

**minus:**

- f) Income from Open Access charges;*
- g) Non-Tariff income;*
- h) Income from Other Business, to the extent specified in this Regulation;*

**Add:**

- i) Impact of true-up for prior period as approved by the Commission"*

In accordance to the regulation, the DISCOM has computed the ARR of Distribution business against each cost element based on the Resource Plan Order as for 5<sup>th</sup> Control Period as approved by Hon'ble TGERC as elaborated below

#### **3.1 GROSS FIXED ASSETS PROJECTIONS**

The licensee has considered the Capital investment Plan as per Base Capex estimates of TGSPDCL and Other Capex in accordance to the Resource Plan order

for 5<sup>th</sup> Control Period as approved by Hon'ble TGERC to compute the Fixed asset additions during the 5th control period. It is to submit that the licensee continues to lay utmost importance on timely completion of projects undertaken and has been following the practice of capitalizing (adding to fixed assets) only those works which have actually been completed. The capitalization for each year of the 5<sup>th</sup> control period is considered as approved in the Resource Plan Order for 5<sup>th</sup> Control period (59.33% for TGSPDCL).

*Figures in Rs Crores*

Details	2024-25	2025-26	2026-27	2027-28	2028-29
Opening Balance of Capital Work in Progress (CWIP)	1,696	2,809	3,700	4,685	5,079
Total Capital Expenditure	4,794	5,785	7,194	7,180	7,504
Expenses Capitalized	361	436	542	541	566
IDC	55	66	82	82	86
<b>Transfer to fixed assets</b>	<b>4,097</b>	<b>5,397</b>	<b>6,834</b>	<b>7,409</b>	<b>7,852</b>
<b>Closing CWIP</b>	<b>2,809</b>	<b>3,700</b>	<b>4,685</b>	<b>5,079</b>	<b>5,382</b>

### 3.2 DEPRECIATION

The depreciation has been calculated for every year considering the Depreciation rates approved by Hon'ble TGERC in the TGERC (MYT) Regulation No. 2 of 2023 for each class of asset base and also Fully Depreciated Assets during the control period.

The following useful lives of the assets (as approved by Hon'ble TGERC in MYT Regulations, 2023) are considered to arrive at depreciation for next 5 years :

Description of asset	Useful life (years)
Buildings and Other Civil Works (Offices & showrooms)	60
Power Transformer	25
DTR (<=100 kVA)	15
DTR (>=100 kVA)	20
Lines (11 kV and above)	25
Lines (LT)	20
Meters	10
Office furniture and	10

Description of asset	Useful life (years)
fittings	
Office equipment	10
I.T. equipment	6
Software	5

The depreciation is computed considering the opening balance of the Gross Assets and capitalization of assets during the year. Besides, the fully depreciated assets in the Gross block at the end of the previous year are deducted from the opening balance of the Gross assets in the succeeding year before computation of depreciation costs.

Depreciation computation after adjusting Fully Depreciated Assets (FDA) balances is tabulated below:

Particulars (Rs. Crs.)	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Opening Balance of assets	22957	27054	32451	39285	46693	54545
Asset Additions during the Year	2,524	4,097	5,397	6,834	7,409	7,852
Fully Depreciated assets Balance at the beginning of the year	541	595	636	687	735	809
Depreciation During the Year	886	976	1205	1526	1903	2310

### 3.3 CONSUMER CONTRIBUTION & GRANTS

The development charges and service line charges collected from the consumers will form part of the consumer contributions towards capital assets.

The consumer contribution additions have been estimated by considering the proportion of the consumer contributions in the total capital expenditure filed by TG Discoms in the Business Plan as part of the filings of Resource Plan for 5<sup>th</sup> Control Period.

The consumer contributions & grants planned to be received in the next 5 years of the control period is as follows:

Particulars (Rs. Crs)	2024-25	2025-26	2026-27	2027-28	2028-29
Consumer Contribution	795	798	804	810	818

Further, in proportion in which depreciation on consumer contributed assets has been charged during every year of the control period for the new assets, the same has been estimated in proportion to the ratio of contribution in the new capex addition. The depreciation contribution arising due to consumer contribution has been summarized below:

Particulars (Rs. Crs).	2024-25	2025-26	2026-27	2027-28	2028-29
Depreciation contribution due to consumer contribution for new capex added	87	138	188	242	297

#### 3.4 OPERATION & MAINTENANCE EXPENSE PROJECTIONS

The Operation & Maintenance (O&M) Expenses consist of the following components:

- Employee Expenses (EE) including Salaries, wages and other employee costs;
- Administrative & General costs (A&G) including legal charges, audit fees, rent, rates and taxes;
- Repairs and Maintenance (R&M) including equipment maintenance, repairs, fault corrections, etc.

#### 3.5 Methodology for Projection of O & M expenses

The O&M expenses for distribution licensee for each year of the 5<sup>th</sup> Control Period shall be calculated based on the formula approved by Hon'ble TGERC as shown below:

$$\text{O\&M}_n = \text{EMP}_n + \text{R\&M}_n + \text{A\&G}_n$$

Where,

- O&M<sub>n</sub> - Operation and Maintenance expense for the nth year;
- EMP<sub>n</sub> - Employee Costs for the nth year;
- R&M<sub>n</sub> - Repair and Maintenance Costs for the nth year;
- A&G<sub>n</sub> - Administrative and General Costs for the nth year;

The above components shall be computed in the manner specified below:

$$\text{EMP}_n = (\text{EMP}_{n-1}) \times (\text{CPI Inflation});$$

$$\text{R\&M}_n = K \times (\text{GFA}_n) \times (\text{WPI Inflation}) \text{ and}$$

$$\text{A\&G}_n = (\text{A\&G}_{n-1}) \times (\text{WPI Inflation})$$

**Escalation factor (Inflation rate):**

The CPI & WPI inflation rate is derived by considering the month-on-month values of the respective indices and taking the 5 year CAGR (FY 2017-18 to FY 2022-23).

**Employee Expenses:**

The employee expenses for the 5<sup>th</sup> control period has been arrived by considering salary increment of 7% year on year for each year of the control period. For FY 2026-27, pay revision of 20% has been considered on the base salary of FY 2025-26. Pension benefit increments have been considered at 8% growth year over year for each year of the control period. All other line items under Employee Expense have been increased by 7% year on year.

**Administrative and General Expenses:**

Similarly, the Administrative and General expenses for the first year of the control period is arrived by calculating the average of the actual Administrative and General expenses for the last 4 years (FY 2019-20 to FY 2022-23) and escalated the result with the WPI inflation rate three times (as directed by Hon'ble TGERC).

### Repairs and Maintenance expenses (R&M):

The R&M expenses are linked to Gross fixed assets (GFA). The ratio of the R&M expenses to the opening GFA for FY 2022-23 (actuals) is considered as the K-factor (as considered by the Hon'ble TGERC while approving the Distribution MYT for 4<sup>th</sup> Control period).

Norms for R&M expenses in % of GFA	0.75%
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The below table summarizes the projection of the Distribution Licensee GFA for the Fifth control period and the associated R&M expenses

R&M Expenses	Unit	2024-25	2025-26	2026-27	2027-28	2028-29
Opening GFA	Rs. Crs	27054	32451	39285	46693	54545
R&M Cost	Rs. Crs	214	256	310	369	431

### 3.6 O&M cost for Fifth Control Period

O&M projections for the Control period are summarized in the table below.

O&M cost projection	Unit	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Employee Cost	Rs. Crs	3511	3763	4787	5132	5501	22694
A&G Expenses	Rs. Crs	187	196	206	216	226	1032
R&M Cost	Rs. Crs	214	256	310	369	431	1580
<b>Total O&amp;M Expenses</b>	<b>Rs. Crs</b>	<b>3912</b>	<b>4216</b>	<b>5303</b>	<b>5716</b>	<b>6158</b>	<b>25306</b>

### 3.7 Interest and Financing charges on loan

TG Discoms submit that the interest expenditure on account of long-term loans depends on the outstanding loan, repayments, and prevailing interest rates on the outstanding loans. Further, the projected capital expenditure and the funding of the same also have a major bearing on the long-term interest expenditure.

Regulation 31.3 of the TGERC MYT Regulations 2023 states that

*"The loan repayment during each year of the Control Period shall be deemed to be equal to the depreciation allowed for that year, up to the ceiling of seventy five*

percent (75%) of asset cost or actual debt component used for funding such asset in case the debt funding is higher than seventy five percent (75%) of the asset cost.”

Considering the normative opening loan, normative loan addition during the year and loan repayment equal to depreciation and the average interest rate of 11%, TG Discoms have computed the interest expenses on normative basis for the Control Period as summarized in table below:

Interest cost (Rs. Cr)	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Opening Balance of long term loans	4,337	4,480	5,989	8,239	11,243	14,297
Receipt of New Loans (excl consumer contributions)	1,025	2,476	3,449	4,523	4,950	5,275
Repayment of loan (Depreciation for the year)	886	976	1,205	1,526	1,903	2,310
Closing Balance of long-term loans	4,480	5,989	8,239	11,243	14,297	17,274
Rate of interest	10.3%	10.2%	10.0%	10.0%	10.0%	10.0%
<b>Interest cost on Long term loans</b>	453	535	710	972	1,273	1,577

### 3.8 Return on Equity

TG Discoms submit that clauses 29 of TGERC MYT Regulations, 2023, provides for Return on Equity (RoE) for Distribution Licensee which is reproduced as under:

*“29.2 Return on Equity shall be computed at the following base rates:*

*(e) Distribution licensee: Base Return on Equity of 14% and additional Return on Equity up to 2% linked to Licensee ’ s performance towards meeting standards of performance:*

*Provided that the Commission at the time of true-up shall allow the additional Return on Equity up to 2% based on Licensee meeting the summary of overall performance standards as specified in Clause 1.11 of Schedule III of TGERC (Licensees ’ Standards of Performance) Regulations, 2016*

*29.3 The Return on Equity shall be computed in the following manner:*

*(a) Return at the allowable rate as per this clause, applied on the amount of equity capital at the commencement of the Year; plus*

(b) Return at the allowable rate as per this Regulation, applied on 50 per cent of the equity capital portion of the allowable capital cost, for the investments put to use in generation business or transmission business or distribution business or SLDC, for such Year.”

Considering the funding pattern, TG Discoms have considered the equity addition during the year.

The return on equity has been computed as per the methodology specified in the TGERC MYT Regulations 2023 and, the DISCOM is expecting Return on Equity at 14% p.a and the tax on the return on equity as per the below clause

“Rate of pre-tax Return on Equity shall be rounded off to three decimal places and shall be computed as per the formula given below:

$$\text{Rate of pre-tax return on equity} = \text{Base Rate} / (1-t);$$

Where “Base Rate” is the rate of Base Return on Equity in accordance with clause 29.2;

“t” is the effective Income Tax rate in accordance with clause 30.1.”

Particulars (Rs. Cr)	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Regulatory Equity at the beginning of the year	1,138	1,479	2,296	3,472	4,930	6,567
Capitalization during the year	1366	3302	4599	6030	6599	7034
Equity portion of capitalization during the year	342	825	1150	1508	1650	1758
Equity portion of fully depreciated assets	0	9	14	10	13	12
Reduction in Equity Capital on account of retirement / replacement of assets	-	-	-	-	-	-
Regulatory Equity at the end of the year	1479	2296	3432	4930	6537	8313
<b>Rate of Return on Equity</b>						
Base rate of Return on Equity	14%	14%	14%	14%	14%	14%
Effective Income Tax rate	100%	100%	100%	100%	100%	100%
Rate of Return on Equity	14%	14%	14%	14%	14%	14%
<b>Return on Equity Computation</b>						
Return on Regulatory Equity at the beginning of the year	159	207	321	481	690	919
Return on Regulatory Equity addition during the year	24	58	80	106	115	123
Total Return on Equity	183	264	401	585	805	1042



### 3.9 Interest on Working Capital

TG Discoms submits that Regulation 33 of the TGERC MYT Regulations 2023 provides for Interest on Working Capital. Regulation 33.3 (a) of the said Regulations provides for the norms of computation of Working Capital for Distribution Wires Business.

TG Discoms further submits that Regulation 33.6 of the said Regulations provides that the normative rate of interest on working capital shall be equal to Base Rate as on the date on which the Petition for determination of Tariff is filed, plus 150 basis points. The relevant extract of the said Regulations is reproduced below:

*"33.6 Rate of interest on working capital shall be on normative basis and shall be equal to the Base Rate as on the date on which the Petition for determination of Tariff is filed, plus 150 basis points:"*

Accordingly, TG Discoms have calculated Interest on Working Capital for the control period @ 10.15% for Distribution Business.

Accordingly, TG Discoms have calculated Interest on working capital for Distribution Business as below:

#### **Distribution business**

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
O&M expenses	326	351	442	476	513
Maintenance spares	271	325	393	467	545
Receivables	698	804	1037	1202	1377
<b>Less:</b>					
Security Deposits	0	0	0	0	0
Total Working Capital requirement	1295	1480	1872	2145	2435
Interest rate	10.15%	10.15%	10.15%	10.15%	10.15%
Interest on working capital	131	150	190	218	247

### 3.10 NON-TARIFF INCOME

The licensee has considered the actual Non-Tariff income for FY 2022-23 (actuals) and escalated the item-wise NTI with a nominal growth rate of 2%.

The licensee has projected the Non-tariff income under Distribution Business under the following heads

Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Incidental Charges-Work	116.21	118.53	120.90	123.32	125.79	128.31
Sale of Scrap	0.02	0.02	0.02	0.02	0.02	0.02
Penalties from Suppliers	6.89	7.03	7.17	7.31	7.46	7.61
SDs & BGs forfeited	11.46	11.69	11.92	12.16	12.40	12.65
Miscellaneous income	9.41	9.60	9.79	9.99	10.19	10.39
Sale of Tender Schedule	0.29	0.30	0.30	0.31	0.31	0.32
Rent from Fixed Assets	0.40	0.41	0.42	0.42	0.43	0.44
Meter Testing Charges	0.50	0.51	0.52	0.53	0.54	0.55
Registration Fees	5.19	5.29	5.40	5.51	5.62	5.73
Interest on Staff loans & advances	0.12	0.12	0.12	0.13	0.13	0.13
Penalty from employees	0.05	0.05	0.05	0.05	0.05	0.06
NTI from Distribution Business	150.54	153.55	156.62	159.75	162.95	166.21

### 3.11 DISTRIBUTION ARR

The anticipated Aggregate Revenue Requirement (ARR) for the Distribution business for each year of the Control Period less Non-tariff income is determined as follows:

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Operation and Maintenance Charges	3,912	4,216	5,303	5,716	6,158
Depreciation	976	1,205	1,526	1,903	2,310
Interest and finance charges on Loan	535	710	972	1,273	1,577
Interest on working capital	131	150	190	218	247
Return on Equity	264	401	585	805	1,042
<b>Total Expenditure</b>	<b>5,818</b>	<b>6,682</b>	<b>8,576</b>	<b>9,914</b>	<b>11,334</b>
Less					
Income from Open Access charges	1	1	1	1	1
Non-Tariff income	154	157	160	163	166
Income from Other Business	-	-	-	-	-
<b>Net Distribution ARR</b>	<b>5,663</b>	<b>6,525</b>	<b>8,415</b>	<b>9,750</b>	<b>11,166</b>

## 4 PROPOSED WHEELING CHARGES

The licensee has determined the ARR for the distribution business and that forms the basis for determination of wheeling charges.

### Computation of Wheeling Tariffs:

As per Electricity (Amendment) Rules, 2024 dated 10<sup>th</sup> January 2024, clause 22, wheeling charges may be computed irrespective of voltage levels similar to the case

of transmission business. In accordance with the above rules, the below mentioned methodology is proposed for computation of wheeling tariffs irrespective of voltage levels in Rs/kVA/Month

$$\text{Wheeling Charges} = \frac{\text{Annual Revenue Requirement towards wheeling}}{\text{Contracted Capacity at Consumer end}}$$

Wheeling Tariff – Rs./kVA/month						
Particulars	UoM	2024-25	2025-26	2026-27	2027-28	2028-29
Distribution ARR	Rs Cr	5,663	6,525	8,415	9,750	11,166
Contracted Capacity at Consumer end	MVA	10,719	11,435	12,206	13,034	13,925
Wheeling Charges	Rs/kVA/Month	440	475	575	623	668

#### 5 RATIONALE FOR COMPUTATION METHODOLOGY ADOPTED FOR DETERMINATION OF WHEELING CHARGES

- For inter-state transmission system, consisting of 765KV, 400KV, 220KV the Hon'ble CERC is determining the aggregate transmission losses and charges irrespective of voltage level.
- For intra-state transmission system, consisting of 765KV, 400KV, 220KV and 132KV the Hon'ble TGERC is determining the aggregate transmission losses and charges irrespective of voltage level.
- However, for distribution system consisting of 33KV, 11KV and LT the Hon'ble TGERC is determining the voltage wise losses and charges which is different from the procedure followed in respect of transmission system.
- The Ministry of Power, Government of India, issued the notification dated 10<sup>th</sup> January'2024 stating that wheeling charges shall be computed as per the following formula:

$$\text{Wheeling Charges} = \frac{\text{Annual Revenue Requirement towards wheeling}}{\text{Energy wheeled during the year}}$$

- Subsequently, the Ministry of Power, Gol, issued the notification dated 17<sup>th</sup> January'2024 stating that wheeling charges shall be computed as per the following formula.

$$\text{Wheeling Charges} = \frac{\text{Annual Revenue Requirement towards wheeling}}{\text{Energy wheeled during the year}}$$

Provided that, the appropriate commission may determine the wheeling charges at different voltage levels separately in accordance with the above formula.

It is only a suggestion by MoP, Gol to Hon'ble TGERC and is not mandatory.

Additionally, with respect to the policies and incentives launched and rolled out by Gol, the following points may kindly be taken into consideration to allow wheeling charges to be charged irrespective of voltage levels:

- The roof-top solar installations are increasing at a rapid pace under Net Metering/Gross Metering/PM Surya Ghar schemes launched by Gol. As such, when the consumer loads under such metering are low, the surplus power generation will flow in reverse direction to 11 KV system.
- In PM-KUSUM Comp-'C', the solar power plants of capacities 0.5 to 2MW are coming up in 11KV system at rapid pace. During non-agriculture loads periods, the solar power generated will flow in reverse direction to 33 KV system.
- In PM-KUSUM Comp-'B' - Grid tied Solar pump sets, during the periods of non-operation of solar pump sets after yielding crops, the solar power generated will flow in reverse direction to 33KV system.
- Reduction in the cost of the Solar Panels and rules and regulations framed by the Government are encouraging the installation of Solar power plants and is increasing rapidly and there is a possibility of reverse flow of power from 11KV to 33 KV system.
- Hybrid Solar and Wind systems are coming up leading to continuous generation of power and there is a possibility of Reverse flow of power during the periods of Low-loads.

- Battery Energy Storage System may come up under LT and 11KV systems and there is a possibility of Reverse flow of power during the periods of Low-loads from 11 KV to 33 KV system.

Under the above stated conditions of distributed power generation scenarios, the Distribution Losses will increase and the Licensee will always face High Energy Losses in the Network burdening with high Network Cost.

In view of the above, the Licensee proposes the Aggregate Distribution Losses and Charges irrespective of the Voltage level on par with Inter and Intra State Transmission system to mitigate financial losses and the Hon'ble Commission may please accord approval for aggregate Distribution Losses and Charges.

## 6 NET ARR TO BE TRANSFERRED TO RETAIL BUSINESS

As per MYT regulation of 2 of 2023, in case complete accounting segregation has not been done between the wheeling business and retail supply business of the distribution licensee, the ARR of the distribution licensee shall be apportioned between wheeling and retail supply business with 10% of the O&M expense, depreciation, interest and finance charges on loan, interest on working capital, return on equity being transferred to retail supply business.

Accordingly, the net ARR to be transferred to retail supply business has been summarized below:

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Operation and Maintenance Charges	391	422	530	572	616
Depreciation	98	121	153	190	231
Interest and finance charges on Loan	53	71	97	127	158
Interest on working capital	13	15	19	22	25
Return on Equity	26	40	59	80	104
<b>Total Expenditure</b>	<b>582</b>	<b>668</b>	<b>858</b>	<b>991</b>	<b>1,133</b>
<b>Less</b>					
Income from Open Access charges	-	-	-	-	-
Non-Tariff income	-	-	-	-	-
Income from Other Business	-	-	-	-	-
<b>Net Distribution ARR</b>	<b>582</b>	<b>668</b>	<b>858</b>	<b>991</b>	<b>1,133</b>

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11/12/24  
A to

to

DR/RR

SE/RR

  
**CHIEF ENGINEER**  
**(RAC) TGSPDCL**  
 Corporate Office, 6-1-50,  
 Mint Compound, Hyd-500 004.

**BEFORE THE TELANGANA STATE ELECTRICITY REGULATORY  
COMMISSION**

AT ITS OFFICE AT 5<sup>th</sup> Floor, Singareni Bhavan, Red Hills, Hyderabad - 500 004

**FILING NO.** \_\_\_\_\_/2024

**CASE NO.** \_\_\_\_\_/2024

**In the matter of**

Application for condonation of delay for Filing of the ARR & Wheeling Tariff application for the Distribution Business for 5<sup>th</sup> Control Period (FY 2024-25 to FY 2028-29) under Multi-Year-Tariff principles in accordance with the Telangana State Electricity Regulatory Commission (Multi-Year-Tariff) Regulation (Regulation 2 of 2023) by the Southern Power Distribution Company of Telangana Limited (TGSPDCL).

**In the matter of**

SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA  
LIMITED

.....Applicant

**The applicant respectfully submits the reasons for delay in filing  
petition are as under:**

1. The Hon'ble Commission has notified the new MYT Regulation 2 of 2023 on 30.12.2023, where the timelines for submission of petition for Distribution ARR for 5<sup>th</sup> Control Period is 31.01.2024.
2. Due to paucity of time, for preparation of Distribution ARR in terms of New MYT Regulation 2 of 2023, the licensee was unable to file petition for Distribution ARR and determination of Wheeling Charges as per the above time lines.
3. The Licensee required to collect additional information in terms of MYT Regulation 2 of 2023, for preparation and incorporation in the Distribution ARR of 5<sup>th</sup> Control Period.
4. As it was near to the Closure of Financial Year 2023-24 and for considering the Audited Accounts Data pertaining to FY 2023-24 for projections of 5<sup>th</sup> Control Period for preparation of Distribution ARR, the licensee required additional time for gathering above information.

5. Enforcement of Model Code of Conduct during March to June' 2024, in view of General Elections to the Parliament House - Loksabha -2024.
6. In view of the aforementioned reasons, the licensee could not file the petition for Distribution ARR and determination of Wheeling Tariff for 5<sup>th</sup> Control Period in the stipulated timeline.
7. Hence, licensee humbly requests the Hon'ble Commission to condone the delay in filing the petition for Distribution ARR and determination of Wheeling Tariff for 5<sup>th</sup> Control Period.

**Prayer**

8. In the aforesaid facts and circumstances, the petitioner humbly prays the Hon'ble Commission to:
  - (i) Condone the delay in filing of the petition for Distribution ARR and determination of Wheeling Tariff for 5<sup>th</sup> Control Period for the reasons stated above.

  
Petitioner

**CHIEF ENGINEER**  
**(RAC) TGSPDCL**  
Corporate Office, 6-1-50,  
Mint Compound, Hyd-500 004.

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

AT ITS OFFICE AT 5<sup>th</sup> Floor, Singareni Bhavan, Red Hills, Hyderabad - 500 004

**FILING NO. \_\_\_\_\_/2024**

**CASE NO. \_\_\_\_\_/2024**

**In the matter of**

Application for condonation of delay for Filing of the ARR & Wheeling Tariff application for the Distribution Business for 5<sup>th</sup> Control Period (FY 2024-25 to FY 2028-29) under Multi-Year-Tariff principles in accordance with the Telangana State Electricity Regulatory Commission (Multi-Year-Tariff) Regulation (Regulation 2 of 2023) by the Southern Power Distribution Company of Telangana Limited (TGSPDCL) there of.

**In the matter of**

SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA  
LIMITED

.....Applicant

**AFFIDAVIT OF APPLICANT VERIFYING THE ACCOMPANYING PETITION**

I, Sri Ch. Chakrapani, <sup>S/o</sup> Sri NARSAIAH aged 56 years, Occupation: Chief Engineer (RAC), TGSPDCL, Hyderabad, R/o Hyderabad do solemnly affirm and say as follows:

- 1) I am Chief Engineer (RAC)/TGSPDCL, I am competent and duly authorized by TGSPDCL to affirm, swear, execute and file this petition.
- 2) I am competent and duly authorized by TGSPDCL to affirm, swear, execute and file this petition.
- 3) I have read and understood the contents of the accompanying Affidavit drafted pursuant to my instructions. The statements made in the accompanying Affidavit 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 ENGINEER**  
**(RAC) TGSPDCL**  
Corporate Office, 6-1-50,  
Mint Compound, Hyd-500 004.

VERIFICATION

The above named Deponent solemnly affirm at Hyderabad on this 11<sup>th</sup> day of July, 2024 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.

*J. Anil Kumar.*

Solemnly affirmed and signed before me.

**COMPANY SECRETARY**  
**TGSPDCL, Corporate Office,**  
**6-1-50, Mint Compound,**  
**Hyderabad-500 004.**

  
DEPONENT

**CHIEF ENGINEER**  
**(RAC) TGSPDCL**  
Corporate Office, 6-1-50,  
Mint Compound, Hyd-500 004.

# **SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED**

(Distribution & Retail Supply Licensee)



**Filing of ARR & Proposed Wheeling Tariffs  
for  
Distribution Business  
for  
Fifth Control Period (FY 2024-25 to FY 2028-29)**

**11<sup>th</sup> July 2024**

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

At its office at 5<sup>th</sup> Floor, Singareni Bhavan, Red Hills, Hyderabad 500 004

**FILING NO. \_\_\_\_\_/2024**

**CASE NO. \_\_\_\_\_/2024**

In the matter of:

**Filing of the ARR & Tariff applications for the Distribution Business for 5<sup>th</sup> Control Period (FY2024-25 to FY2028-29) under Multi-Year-Tariff principles in accordance with the TELANGANA STATE ELECTRICITY REGULATORY COMMISSION (MULTI YEAR TARIFF) REGULATION (Regulation No. 2 of 2023) by the Southern Power Distribution Company of Telangana Limited ('TGSPDCL' or 'the Company' or 'the Licensee') as the Distribution Supply Licensee.**

In the matter of:

**SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED**

... Applicant

The Applicant respectfully submits as under:-

**Introduction of MYT framework for determination of Tariff**

1. The earlier Commission notified the Andhra Pradesh Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff for Wheeling and Retail Sale of Electricity) Regulation, 2005 (Regulation No.4 of 2005) on 14.11.2005. This regulation introduced Multi-Year-Tariff framework and specified the principles and procedures of filings. Hon'ble TGERC revised the above regulations and published the TGERC (MYT) Regulation 2023 (which supersedes the above mentioned APERC 2005 Regulation). Accordingly, the Licensee has to make the filing for their Aggregate Revenue Requirement (ARR) along with its Filings for Proposed Tariff (FPT) with the Commission for determination of Wheeling Charges for five years period called Control Period.
2. Hon'ble TGERC has published the TGERC (MYT) Regulation No.2 of 2023 on 30.12.2023, where the timelines for submission of the Distribution Business ARR is given as 31.01.2024.

3. The Licensee humbly prays to the Hon'ble Commission to condone the delay in filing the MYT ARR & Tariff Petition for Distribution Business for Fifth Control period (FY 2024-25 to FY 2028-29) for the reasons as explained in the various Petitions filed before the Commission on this subject matter.

#### **Past ARR & FPT Filings by Licensee for Distribution Business**

4. The TG Discoms have submitted the filings for Distribution Business for the 4th control Period on 16th December 2019.
5. After comprehensive public consultation process on the filings, the Hon'ble Commission passed orders on 29th April, 2020 for Distribution Business for the 4th control Period.

#### **Present ARR & Tariff applications for 5<sup>th</sup> Control Period of Distribution Business**

6. Accordingly, this filing is made by the Southern Power Distribution Company of Telangana Limited (TGSPDCL) under section 61 of the Electricity Act, 2003 for determination of the ARR and Tariff for the Distribution Business for 5th control period viz., FY2024-25 to FY2028-29.
7. The ARR and Tariff Proposals ("Wheeling Charges") for the Distribution Business of the licensee for the 5th control period (FY2024-25 to FY2028-29), includes
  - (a) Aggregate Revenue Requirement for 5th control period (FY2024-25 to FY2028-29) for the Distribution Business.
  - (b) Wheeling Tariff Proposals for 5th control period (FY2024-25 to FY2028-29) for Distribution Business.

#### **Capital Investment Plan for 5th control period**

8. The licensee has prepared a detailed capital investment plan for the 5th control period FY 2024-25 to FY 2028-29 based on a comprehensive analysis of state of the existing network loading conditions and the expected future loading of the

network during each year of the 5th control period based on the projected load growth.

The licensee has estimated the Base Capex for all the years of the 5<sup>th</sup> control period (as the Network projections and Cost thereof and actual values for FY 2023-24 are more than for FY 2024-25 approved in Capital Investment Plan of Resource plan by Hon'ble TGERC) and Other Capex as approved by Hon'ble TGERC in Capital Investment plan of Resource plan for each of the years of the 5<sup>th</sup> Control Period i.e., FY 2024-25 to FY 2028-29.

The following table provides summary of the investment plan (estimated Base Capex) for each of the years of the 5th Control Period

(All figures in Rs. crore)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29	Total Control Period (FY 25-29)
Base Capex	4,154	5,036	6,367	6,277	6,569	28,402
Other Capex	640	750	828	903	935	4,055
<b>Total Capex for DISCOM</b>	<b>4,794</b>	<b>5,785</b>	<b>7,194</b>	<b>7,180</b>	<b>7,504</b>	<b>32,457</b>

**Aggregate Revenue Requirement (ARR) for each year of 5th control period**

9. The ARR for the Distribution business for each year of 5th control period is determined as follows.

All figures in Rs. crore

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Operation and Maintenance Charges	3,912	4,216	5,303	5,716	6,158
Depreciation	976	1,205	1,526	1,903	2,310
Interest and finance charges on Loan	535	710	972	1,273	1,577
Interest on working capital	131	150	190	218	247
Return on Equity	264	401	585	805	1042
<b>Total Expenditure</b>	<b>5,818</b>	<b>6,682</b>	<b>8,576</b>	<b>9,914</b>	<b>11,334</b>
<b>Less</b>					
Income from Open Access charges	1.21	1.19	1.28	1.27	1.24
Non-Tariff income	154	157	160	163	166
Income from Other Business	-	-	-	-	-
<b>Net Distribution ARR</b>	<b>5,663</b>	<b>6,525</b>	<b>8,415</b>	<b>9,750</b>	<b>11,166</b>

## Wheeling Charges Proposals

### Rationale for computation methodology adopted for determination of wheeling charges

- For inter-state transmission system, consisting of 765KV, 400KV, 220KV the Hon'ble CERC is determining the aggregate transmission losses and charges irrespective of voltage level.
- For intra-state transmission system, consisting of 765KV, 400KV, 220KV and 132KV the Hon'ble TGERC is determining the aggregate transmission losses and charges irrespective of voltage level.
- However, for distribution system consisting of 33KV, 11KV and LT, the Hon'ble TGERC is determining the voltage wise losses and charges which is different from the procedure followed in respect of transmission system.
- The Ministry of Power, Government of India, issued the notification dated 10th January'2024 stating that wheeling charges shall be computed as per the following formula:

$$\text{Wheeling Charges} = \frac{\text{Annual Revenue Requirement towards wheeling}}{\text{Energy wheeled during the year}}$$

- Subsequently, the Ministry of Power, GoI, issued the notification dated 17th January'2024 stating that wheeling charges shall be computed as per the following formula.

$$\text{Wheeling Charges} = \frac{\text{Annual Revenue Requirement towards wheeling}}{\text{Energy wheeled during the year}}$$

Provided that, the appropriate commission may determine the wheeling charges at different voltage levels separately in accordance with the above formula.

It is only a suggestion by MoP, GoI to Hon'ble TGERC and is not mandatory.

Additionally, with respect to the policies and incentives launched and rolled out by GoI, the following points may kindly be taken into consideration to allow wheeling charges to be charged irrespective of voltage levels:

- The roof-top solar installations are increasing at a rapid pace under Net Metering/Gross Metering/PM Surya Ghar schemes launched by GoI. As such, when the consumer loads under such metering are low, the surplus power generation will flow in reverse direction to 11 KV system.
- In PM-KUSUM Comp-'C', the solar power plants of capacities 0.5 to 2MW are coming up in 11KV system at rapid pace. During the periods of non-agriculture loads, the solar power generated will flow in reverse direction to 33 KV system.
- In PM-KUSUM Comp-'B' - Grid tied Solar pump sets: during the periods of non-operation of solar pump sets after yielding crops, the solar power generated will flow in reverse direction to 33KV system.
- Reduction in the cost of the Solar Panels and rules and regulations framed by the Government are encouraging the installation of Solar power plants and is increasing rapidly and there is a possibility of reverse flow of power from 11KV to 33 KV system.
- Hybrid Solar and Wind systems are coming up leading to continuous generation of power and there is a possibility of Reverse flow of power during the periods of Low-loads.
- Battery Energy Storage System may come up under LT and 11KV systems and there is a likely possibility of Reverse flow of power during the periods of Low-loads from 11KV to 33KV systems.

Under the above stated conditions of distributed power generation scenarios, the Distribution Losses will increase and the Licensee will always face High Energy Losses in the Network burdening with high Network Cost.

In view of the above, the Licensee proposes the Aggregate Distribution Losses and Charges irrespective of the Voltage level on par with Inter and Intra State Transmission system to mitigate financial losses.

The licensee has computed the ARR for the distribution business and it forms the basis for determination of wheeling charges.

**Computation of Wheeling Tariffs:**

As per Electricity (Amendment) Rules, 2024 dated 10th January 2024, clause 22, wheeling charges may be computed irrespective of voltage levels similar to the case of Inter State and Intra State Transmission Business as per the formula specified.

$$\text{Wheeling Charges} = \frac{\text{Annual Revenue Requirement towards wheeling}}{\text{Contracted Capacity at Consumer end}}$$

In accordance with the above rules, the aggregate wheeling tariffs are proposed irrespective of voltage levels in Rs/kVA/Month.

Wheeling Tariff – Rs./kVA/month						
Particulars	UoM	2024-25	2025-26	2026-27	2027-28	2028-29
Distribution ARR	Rs Cr	5,663	6,525	8,415	9,750	11,166
Contracted Capacity at Consumer end	MVA	10,719	11,435	12,206	13,034	13,925
Wheeling Charges	Rs/kVA/Month	440	475	575	623	668

10. The licensee is proposing the following distribution wheeling charges for each year of the 5th control period.

Wheeling Tariff – Rs/kVA/month					
	2024-25	2025-26	2026-27	2027-28	2028-29
Wheeling Charges (Rs/kVA/Month)	440	475	575	623	668

11. Based on the information available, the Applicant has made sincere efforts to comply with the Regulation of the Hon'ble Commission and discharge its obligations to the best of its abilities. However, should any further material information become available in the near future, the Applicant reserves the right to file such additional information and consequently amend/revise the application.



12. This filing has been approved by the Chairman & Managing Director of TGSPDCL and Sri Ch. Chakrapani, Chief Engineer/RAC of TGSPDCL has been authorized to execute and file the said document on behalf of TGSPDCL. Accordingly, the current filing documents are signed and verified by and backed by the affidavit of Sri Ch. Chakrapani, Chief Engineer/RAC of TGSPDCL.

13. In the aforesaid facts and circumstances, the Applicant request that this Hon'ble Commission may be pleased to:

- Take the accompanying ARR and Wheeling Tariff application of TGSPDCL on record for Distribution Business and treat it as complete
- Grant suitable opportunity to TGSPDCL within a reasonable time frame to file additional material information that may be subsequently available
- Consider and approve TGSPDCL's ARR and Tariff application including all requested regulatory treatments in the filing
- Pass such order as the Hon'ble Commission may deem fit and proper in the facts and circumstances of the case

**SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED**

...Applicant

Through

Place: Hyderabad

Dated: 11.07.2024



Chief Engineer/RAC  
TGSPDCL, Hyderabad.

**CHIEF ENGINEER**  
**(RAC) TGSPDCL**  
Corporate Office, 6-1-50,  
Mint Compound, Hyd-500 004.

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

At its office at 5<sup>th</sup> Floor, Singareni Bhavan, Red Hills, Hyderabad 500 004

FILING NO. \_\_\_\_\_/2024

CASE NO. \_\_\_\_\_/2024

In the matter of:

**Filing of the ARR & Tariff applications for the Distribution Business for 5th control period (FY2024-25 to FY2028-29) under Multi-Year-Tariff principles in accordance with the TELANGANA STATE ELECTRICITY REGULATORY COMMISSION (MULTI YEAR TARIFF) REGULATION (Regulation No. 2 of 2023 by the Southern Power Distribution Company of Telangana Limited ('TGSPDCL' or 'the Company' or 'the Licensee') as the Distribution Supply Licensee.**

In the matter of:

**SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED**

... Applicant

**Affidavit of Applicant verifying the application filed under section 64 of the Electricity Act, 2003 and in accordance with the Regulation 2 of 2023.**

I, Sri Ch. Chakrapani , S/o Sri Narsaiah aged 56 years, Occupation: Chief Engineer (RAC), TGSPDCL, R/o Hyderabad, working for gain at the Southern Power Distribution Company of Telangana Limited do solemnly affirm and say as follows:

- 1 I am the Chief Engineer/RAC of Southern Power Distribution Company of Telangana Limited (TGSPDCL).
- 2 I am competent and duly authorized by TGSPDCL to affirm, swear, execute and file this affidavit in the present proceedings.
- 3 As such, I submit that I have been duly authorized by the Board of Directors of TGSPDCL to submit the application of TGSPDCL for determination of ARR and wheeling charges of Distribution Business for 5<sup>th</sup> control period (FY2024-25 and FY2028-29) as per Terms and Conditions of Telangana State

Electricity Regulatory Commission (Multi Year Tariff) Regulation, 2023 (Regulation No. 2 of 2023), to the Hon'ble Commission.


- 4 I submit that I have read and understood the contents of the appended application of TGSPDCL. The facts stated in the application are true to the best of my knowledge, which are derived from the official records made available and certain facts stated are based on information and advice which, I believe to be true and correct.
- 5 I submit that for the reasons, and facts stated in the appended application, this Applicant pray that the Hon'ble Commission may be pleased to
- a) Take the accompanying ARR and Tariff application for Distribution Business of TGSPDCL on record and treat it as complete;
  - b) Grant suitable opportunity to TGSPDCL within a reasonable time frame to file additional material information that may be subsequently available;
  - c) Consider and approve TGSPDCL'S ARR and Tariff application for Distribution Business including all requested regulatory treatments in the filing;
  - d) Pass such order as the Hon'ble Commission may deem fit and proper in the facts and circumstances of the case.

VERIFICATION:

I, the above named Deponent solemnly affirm at Hyderabad on this 11 day of July, 2024 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.

Solemnly affirmed and signed before me.

  
DEPONENT  
CHIEF ENGINEER  
(RAC) TGSPDCL  
Corporate Office, 6-1-50,  
Mint Compound, Hyd-500 004.

  
DEPONENT  
CHIEF ENGINEER  
(RAC) TGSPDCL  
Corporate Office, 6-1-50,  
Mint Compound, Hyd-500 004.

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## Abbreviations

AB Cable	Aerial Bundled Cable
ARR	Aggregate Revenue Requirement
A&G	Administration & General
AMR	Automatic Meter Reading
AT&C	Aggregate Technical & Commercial
CAGR	Compound Annual Growth Rate
CC	Consumer Contributions
CEA	Central Electricity Authority
CPI	Consumer Price Index
CT/PT	Current Transformer- Potential Transformer
CWIP	Capital Work In Progress
DA	Dearness Allowance
DDUGJY	Deen Dayal Upadhaya Gram Jyoti Yojana
DISCOM	Distribution Company
DNR	Distribution Network Renovation
DTR	Distribution Transformer
D/E Ratio	Debt to Equity ratio
EE	Employee Expenses
EHT	Extra High Tension
ERP/IT	Enterprise Resource Planning – Information Technology
FDA	Fully Depreciated Assets
FPT	Filing for Proposed Tariff
FRP	Financial Restructuring Plan
FSA	Fuel Surcharge Adjustment
FY	Financial Year
GFA	Gross Fixed Assets
GIS	Geographic Information System
Gol	Government of India
GoTS	Government of Telangana
HT	High Tension
IDC	Interest During Construction
IE Rules	Indian Electricity Rules, 1956
IPDS	Integrated Power Development Scheme
JICA	Japan International Cooperation Agency
kV	Kilo Volt
LT	Low Tension
MAT	Minimum Alternate Tax
MRI	Meter Reading Instrument
MoP	Ministry of Power
MoU	Memorandum of Understanding
MU	Million Units
MVA	Mega Volt Ampere
MW	Mega Watt
MYT	Multi Year Tariff
NTI	Non Tariff Income
O&M	Operation and Maintenance
OCFA	Original Cost of Fixed Assets
OH line	Overhead power line
UG cable	Underground Cable
WACC	Weighted Average Cost of Capital
WC	Working Capital

WPI	Wholesale Price Index
PAA	Private Accounting Agencies
PFC	Power Finance Corporation Ltd.
PTR	Power Transformer
R&M	Repairs and Maintenance
RAPDRP	Restructured Accelerated Power Development & Reforms Programme
REC	Rural Electrification Corporation Ltd.
RoE	Return on Equity
RGGVY	Rajeev Gandhi Grameen Vidyuti karan Yojana
RMU	Ring Main Unit
RoCE	Return on Capital Employed
RoSC	Release of Services
RT-DAS	Real Time Data Acquisition System
RRB	Regulated Rate Base
SCADA	Supervisory Control & Data Acquisition
SS	Sub Station
ST&D	Sub-Transmission & Distribution
T&D	Transmission and Distribution
TGERC	Telangana State Electricity Regulatory Commission
UDAY	Ujwal DISCOM Assurance Yojana

## Glossary

**"1<sup>st</sup> Control Period"** refers to the period from FY 2006-07 to FY 2008-09.

**"2<sup>nd</sup> Control Period"** refers to the period from FY 2009-10 to FY 2013-14.

**"3<sup>rd</sup> Control Period"** refers to the period from FY 2014-15 to FY 2018-19.

**"4<sup>th</sup> Control Period"** refers to the period from FY 2019-20 to FY 2023-24.

**"5<sup>th</sup> control period"** refers to the period from FY 2024-25 to FY 2028-29.

**"Aggregate Revenue Requirement (ARR)"** means the revenue required to meet the costs pertaining to the licensed business; herein Distribution Business, for the control period, which would be permitted to be recovered through tariffs and charges by the Hon'ble Commission.

**"Base Year"** means the financial year immediately preceding the first year of the Control Period.

**"Coincident Demand (CID)"** in MW of a consumer category means estimated contribution of that category to the system peak demand i.e., the load of the corresponding consumer category at the system peak hour.

**"Compound Annual Growth Rate (CAGR)"** is the mean annual growth rate over a specified period of time longer than one year. CAGR is calculated as

$$N \text{ year CAGR} = (\text{Final value}/\text{Initial Value})^{1/N} - 1$$

**"Control Period"** means multi year period fixed by the Hon'ble Commission from time to time, usually 5 years.

**"Current year"** refers to FY: 2023-24.

**"Consumer/User Contributions"** means any contributions made by those using or intending to use the Distribution network of a licensee for supply or wheeling of electricity. Any grant received by the licensees would also be treated as Consumer/User Contribution.

**"Distribution Business"** means the business of operating and maintaining a distribution system for supplying electricity in the area of supply of the Distribution Licensee in terms of the Distribution and Retail Supply License.

**"Distribution Licensee"** means a licensee authorized to operate and maintain a distribution system for supplying electricity to the consumers in his area of

supply. **"Distribution Cost"** refers to the distribution cost borne by the licensee to serve the consumers within the area of supply and not availing supply under Open Access.

**"Distribution Losses"** means aggregate technical and commercial losses from LT level to 33kV voltage.

**"Ensuing control period"** refers to period from FY 2024-25 to FY 2028-29.

**"Financial Year"** means the period commencing on 1<sup>st</sup> April of a calendar year and ending on 31<sup>st</sup> March of the subsequent calendar year.

**"Financial Restructuring Plan (FRP)"** is a Government scheme formulated to enable the turnaround of the State DISCOMs and ensure their long term viability.

**"Licensee"** hereafter refers to TGSPDCL.

**"LT"** refers to a voltage of 415V (Three phase supply) and 230V (Single phase supply).

**"HT"** refers to a voltage of 11 kV and above but less than 132 kV.

**"EHT"** refers to a voltage of 132 kV and above.

**"Non Tariff Income"** means income relating to the licensed business other than from tariffs for wheeling and retail sale, and excludes any income from other business and income on account of Fuel Surcharge Adjustment, Cross Subsidy Surcharge and Additional Surcharge.

**"Operation & Maintenance Expenses"** comprises Employee Expenses, Administrative & General expenses and Repairs and Maintenance (R&M) expenses

**"Regulated Rate Base (RRB)"** is the value of the fixed assets net off consumer contributions and accumulated depreciation.

**"Wheeling tariff/charges"** are the charges paid by a consumer for availing the facilities of a distribution system of a distribution licensee for conveyance of electricity.

**"True up/down"** refers to loss/gain to the Distribution Company due to under or over recovery of costs/revenue against Tariff Order approved values.



## 1 INTRODUCTION

### Introduction of MYT framework for determination of Tariff

- a) The earlier Commission notified the Andhra Pradesh Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff for Wheeling and Retail Sale of Electricity) Regulation, 2005 (Regulation No.4 of 2005) on 14.11.2005. This regulation introduced Multi-Year-Tariff framework and specify the principles and procedures of filings. Hon'ble TGERC revised the above regulations and published the TGERC (MYT) Regulation 2023 (which supersedes the above mentioned APERC 2005 Regulation). Accordingly, the Licensee has to make the filing for their Aggregate Revenue Requirement (ARR) along with its Filings for Proposed Tariff (FPT) with the Commission for determination of Wheeling Charges for five years period called Control Period.
- b) Hon'ble TGERC has published the TGERC (MYT) Regulation No.2 of 2023 on 30.12.2023, where the timelines for submission of the Distribution Business ARR is given as 31.01.2024.
- c) The Licensee humbly prays the Hon'ble Commission to condone the delay in filing the MYT ARR & Tariff Petition for Distribution Business for Fifth Control period (FY 2024-25 to FY 2028-29) for the reasons as explained in the various Petitions filed before the Commission on this subject matter.
- d) Accordingly, this filing is made by the Southern Power Distribution Company of Telangana Limited (TGSPDCL) under section 61 of the Electricity Act, 2003 for determination of the ARR and Tariff for the Distribution Business for 5th control period viz., FY2024-25 to FY2028-29.
- e) The ARR and Tariff Proposals ("Wheeling Charges") for the Distribution Business of the licensee for the 5<sup>th</sup> Control Period (FY2024-25 to FY2028-29), includes
  - i. Aggregate Revenue Requirement for 5<sup>th</sup> control period (FY2024-25 to FY2028-29) for the Distribution Business.
  - ii. Wheeling Tariff Proposals for 5<sup>th</sup> control period (FY2024-25 to FY2028-29) for Distribution Business.

## 2 CAPITAL EXPENDITURE PLAN

In accordance to Clause 9 of APERC Regulation 4 of 2005 as adopted by TGERC vide Regulation No. 1 of 2014, the Distribution licensee has filed Resource Plan for the 5<sup>th</sup> control period i.e. from FY 2024-25 to 2028-29 which inter alia contains Sales Forecast, Distribution loss trajectory, Load Forecast and Distribution Plan as per the guidelines for the approval of the Hon'ble Commission on 31.10.2018. The licensee has adopted the Distribution Plan in the Resource Plan order as approved by Hon'ble TGERC in the current Multi-Year and Annual filings along with certain estimates of TGSPDCL as the case may be.

### 2.1 BASE CAPEX NETWORK ADDITIONS

The Distribution Plan is prepared considering all the network elements required for system expansion to cater to the load growth and network strengthening. The same has been considered based on TGSPDCL's estimates basis, the existing loading of transformers and substations.

The network additions considered for Base Capex has been summarized below:

Element	Unit	2024-25	2025-26	2026-27	2027-28	2028-29	5th Control Period Total
Substation Additions	Nos.	135	167	206	227	273	1008
PTR Additions	Nos.	40	69	54	57	62	282
PTR Augmentation	Nos.	62	76	81	96	110	425
Feeder Additions	Nos.	3	6	23	25	26	83
DTR Additions	Nos.	23094	23908	24914	25807	26909	124632

### 2.2 BASE CAPITAL INVESTMENT

The licensee has estimated the the Base Capex for all the years of the 5th control period (as the Network projections and Cost thereof and actual values for FY 2023-24 are more than for FY 2024-25 approved in Capital Investment Plan of Resource plan by Hon'ble TGERC)

Network Element	Unit	2024-25	2025-26	2026-27	2027-28	2028-29	5th Control Period Total
Sub-Stations	Rs. Crs	699	1,006	1,257	1,420	1,794	6,176
Smart Meters	Rs Crs	2,051	2,461	3,419	3,008	2,735	13,675
PTR Addition & Upgradation	Rs. Crs	71	120	102	122	152	566
Feeder Addition	Rs. Crs	1	2	8	9	11	31
DTR Addition	Rs. Crs	1,332	1,446	1,580	1,717	1,878	7,954
<b>Total</b>	<b>Rs. Crs</b>	<b>4,154</b>	<b>5,036</b>	<b>6,367</b>	<b>6,277</b>	<b>6,569</b>	<b>28,402</b>

### 2.3 OTHER CAPITAL EXPENDITURE PLAN

Resource plan order for 5<sup>th</sup> Control Period contains approved other capital expenditure which *inter alia* contains expenditure plan for AT&C Loss reduction, Reliability improvement, contingency measures, Renovation & Modernization of existing assets, network additions for new consumer additions, Technology up-gradation, civil infrastructure development. The details of Other Capital Expenditure approved for the 5th control period is summarized below:

*Figures in Rs. Crores*

S.No	Investment Area	2024-25	2025-26	2026-27	2027-28	2028-29	5th Control Period Total
a)	<b>AT &amp; C Loss Reduction</b>	25	25	24	24	16	113
b)	<b>Reliability Improvement &amp; Contingency Schemes</b>	236	306	321	337	354	1,554
c)	<b>Renovation &amp; Modernization</b>	11	11	12	14	15	63
d)	<b>Technology Upgradation</b>	27	20	13	15	8	82
e)	<b>New Consumer Capex</b>	139	150	161	173	185	807
f)	<b>Civil Infrastructure Development</b>	2	2	3	1	2	10
g)	<b>Misc Project cost</b>	41	58	80	90	99	368
h)	<b>AGL feeder Segregation</b>	160	178	213	249	257	1,057
	<b>Total Other Capex</b>	<b>640</b>	<b>750</b>	<b>828</b>	<b>903</b>	<b>935</b>	<b>4,055</b>

## 2.4 TOTAL CAPITAL EXPENDITURE

The total capital Expenditure projections for base and other capex has been summarized below:

*Figures in Rs. Crs*

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29	Total Control Period (FY 25-29)
Base Capex	4,154	5,036	6,367	6,277	6,569	28,402
Other Capex	640	750	828	903	935	4,055
<b>Total Capex for DISCOM</b>	<b>4,794</b>	<b>5,786</b>	<b>7,195</b>	<b>7,180</b>	<b>7,504</b>	<b>32,457</b>

### 3 ARR OF DISTRIBUTION BUSINESS FOR FIFTH CONTROL PERIOD

#### TGERC Regulation 2 of 2024 states that

“Multi Year Tariff petition shall be filed by 30th November of the year preceding the first year of the Control Period by distribution licensee (for retail supply business) comprising:

- i. *True-up of preceding year;*
- ii. *Aggregate Revenue Requirement for each year of the Control Period;*
- iii. *Revenue from retail sale of electricity at existing tariffs & charges and projected revenue gap for the first year of the Control Period;*
- iv. *Proposal of consumer category wise retail supply tariff and charges for first year of the Control Period.*

“*the Distribution Wheeling Business for the respective Years of the Control Period, as approved by the Commission and comprising the following components:*

- a) *Operation and maintenance expenses;*
- b) *Depreciation;*
- c) *Interest and finance charges on Loan;*
- d) *Interest on working capital;*
- e) *Return on Equity;*

**minus:**

- f) *Income from Open Access charges;*
- g) *Non-Tariff income;*
- h) *Income from Other Business, to the extent specified in this Regulation;*

**Add:**

- i) *Impact of true-up for prior period as approved by the Commission”*

In accordance to the regulation, the DISCOM has computed the ARR of Distribution business against each cost element based on the Resource Plan Order as for 5<sup>th</sup> Control Period as approved by Hon'ble TGERC as elaborated below

#### 3.1 GROSS FIXED ASSETS PROJECTIONS

The licensee has considered the Capital investment Plan as per Base Capex estimates of TGSPDCL and Other Capex in accordance to the Resource Plan order

for 5<sup>th</sup> Control Period as approved by Hon'ble TGERC to compute the Fixed asset additions during the 5th control period. It is to submit that the licensee continues to lay utmost importance on timely completion of projects undertaken and has been following the practice of capitalizing (adding to fixed assets) only those works which have actually been completed. The capitalization for each year of the 5<sup>th</sup> control period is considered as approved in the Resource Plan Order for 5<sup>th</sup> Control period (59.33% for TGSPDCL).

*Figures in Rs Crores*

Details	2024-25	2025-26	2026-27	2027-28	2028-29
Opening Balance of Capital Work in Progress (CWIP)	1,696	2,809	3,700	4,685	5,079
Total Capital Expenditure	4,794	5,785	7,194	7,180	7,504
Expenses Capitalized	361	436	542	541	566
IDC	55	66	82	82	86
<b>Transfer to fixed assets</b>	<b>4,097</b>	<b>5,397</b>	<b>6,834</b>	<b>7,409</b>	<b>7,852</b>
<b>Closing CWIP</b>	<b>2,809</b>	<b>3,700</b>	<b>4,685</b>	<b>5,079</b>	<b>5,382</b>

### 3.2 DEPRECIATION

The depreciation has been calculated for every year considering the Depreciation rates approved by Hon'ble TGERC in the TGERC (MYT) Regulation No. 2 of 2023 for each class of asset base and also Fully Depreciated Assets during the control period.

The following useful lives of the assets (as approved by Hon'ble TGERC in MYT Regulations, 2023) are considered to arrive at depreciation for next 5 years :

Description of asset	Useful life (years)
Buildings and Other Civil Works (Offices & showrooms)	60
Power Transformer	25
DTR (<100 kVA)	15
DTR (>=100 kVA)	20
Lines (11 kV and above)	25
Lines (LT)	20
Meters	10
Office furniture and	10

Description of asset	Useful life (years)
fittings	
Office equipment	10
I.T. equipment	6
Software	5

The depreciation is computed considering the opening balance of the Gross Assets and capitalization of assets during the year. Besides, the fully depreciated assets in the Gross block at the end of the previous year are deducted from the opening balance of the Gross assets in the succeeding year before computation of depreciation costs.

Depreciation computation after adjusting Fully Depreciated Assets (FDA) balances is tabulated below:

Particulars (Rs. Crs.)	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Opening Balance of assets	22957	27054	32451	39285	46693	54545
Asset Additions during the Year	2,524	4,097	5,397	6,834	7,409	7,852
Fully Depreciated assets Balance at the beginning of the year	541	595	636	687	735	809
<b>Depreciation During the Year</b>	<b>886</b>	<b>976</b>	<b>1205</b>	<b>1526</b>	<b>1903</b>	<b>2310</b>

### 3.3 CONSUMER CONTRIBUTION & GRANTS

The development charges and service line charges collected from the consumers will form part of the consumer contributions towards capital assets.

The consumer contribution additions have been estimated by considering the proportion of the consumer contributions in the total capital expenditure filed by TG Discoms in the Business Plan as part of the filings of Resource Plan for 5<sup>th</sup> Control Period.

The consumer contributions & grants planned to be received in the next 5 years of the control period is as follows:

Particulars (Rs. Crs)	2024-25	2025-26	2026-27	2027-28	2028-29
Consumer Contribution	795	798	804	810	818

Further, in proportion in which depreciation on consumer contributed assets has been charged during every year of the control period for the new assets, the same has been estimated in proportion to the ratio of contribution in the new capex addition. The depreciation contribution arising due to consumer contribution has been summarized below:

Particulars (Rs. Crs).	2024-25	2025-26	2026-27	2027-28	2028-29
Depreciation contribution due to consumer contribution for new capex added	87	138	188	242	297

### 3.4 OPERATION & MAINTENANCE EXPENSE PROJECTIONS

The Operation & Maintenance (O&M) Expenses consist of the following components:

- Employee Expenses (EE) including Salaries, wages and other employee costs;
- Administrative & General costs (A&G) including legal charges, audit fees, rent, rates and taxes;
- Repairs and Maintenance (R&M) including equipment maintenance, repairs, fault corrections, etc.

### 3.5 Methodology for Projection of O & M expenses

The O&M expenses for distribution licensee for each year of the 5<sup>th</sup> Control Period shall be calculated based on the formula approved by Hon'ble TGERC as shown below:



$$\text{O\&M}_n = \text{EMP}_n + \text{R\&M}_n + \text{A\&G}_n$$

Where,

- O&M<sub>n</sub> - Operation and Maintenance expense for the nth year;
- EMP<sub>n</sub> - Employee Costs for the nth year;
- R&M<sub>n</sub> - Repair and Maintenance Costs for the nth year;
- A&G<sub>n</sub> - Administrative and General Costs for the nth year;

The above components shall be computed in the manner specified below:

$$\text{EMP}_n = (\text{EMP}_{n-1}) \times (\text{CPI Inflation});$$

$$\text{R\&M}_n = K \times (\text{GFA}_n) \times (\text{WPI Inflation}) \text{ and}$$

$$\text{A\&G}_n = (\text{A\&G}_{n-1}) \times (\text{WPI Inflation})$$

**Escalation factor (Inflation rate):**

The CPI & WPI inflation rate is derived by considering the month-on-month values of the respective indices and taking the 5 year CAGR (FY 2017-18 to FY 2022-23).

**Employee Expenses:**

The employee expenses for the 5<sup>th</sup> control period has been arrived by considering salary increment of 7% year on year for each year of the control period. For FY 2026-27, pay revision of 20% has been considered on the base salary of FY 2025-26. Pension benefit increments have been considered at 8% growth year over year for each year of the control period. All other line items under Employee Expense have been increased by 7% year on year.

**Administrative and General Expenses:**

Similarly, the Administrative and General expenses for the first year of the control period is arrived by calculating the average of the actual Administrative and General expenses for the last 4 years (FY 2019-20 to FY 2022-23) and escalated the result with the WPI inflation rate three times (as directed by Hon'ble TGERC).

### Repairs and Maintenance expenses (R&M):

The R&M expenses are linked to Gross fixed assets (GFA). The ratio of the R&M expenses to the opening GFA for FY 2022-23 (actuals) is considered as the K-factor (as considered by the Hon'ble TGERC while approving the Distribution MYT for 4<sup>th</sup> Control period).

Norms for R&M expenses in % of GFA	0.75%
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The below table summarizes the projection of the Distribution Licensee GFA for the Fifth control period and the associated R&M expenses

R&M Expenses	Unit	2024-25	2025-26	2026-27	2027-28	2028-29
Opening GFA	Rs. Crs	27054	32451	39285	46693	54545
<b>R&amp;M Cost</b>	<b>Rs. Crs</b>	214	256	310	369	431

### 3.6 O&M cost for Fifth Control Period

O&M projections for the Control period are summarized in the table below.

O&M cost projection	Unit	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Employee Cost	Rs. Crs	3511	3763	4787	5132	5501	<b>22694</b>
A&G Expenses	Rs. Crs	187	196	206	216	226	<b>1032</b>
R&M Cost	Rs. Crs	214	256	310	369	431	<b>1580</b>
<b>Total O&amp;M Expenses</b>	<b>Rs. Crs</b>	<b>3912</b>	<b>4216</b>	<b>5303</b>	<b>5716</b>	<b>6158</b>	<b>25306</b>

### 3.7 Interest and Financing charges on loan

TG Discoms submit that the interest expenditure on account of long-term loans depends on the outstanding loan, repayments, and prevailing interest rates on the outstanding loans. Further, the projected capital expenditure and the funding of the same also have a major bearing on the long-term interest expenditure.

Regulation 31.3 of the TGERC MYT Regulations 2023 states that

*"The loan repayment during each year of the Control Period shall be deemed to be equal to the depreciation allowed for that year, up to the ceiling of seventy five*

percent (75%) of asset cost or actual debt component used for funding such asset in case the debt funding is higher than seventy five percent (75%) of the asset cost.”

Considering the normative opening loan, normative loan addition during the year and loan repayment equal to depreciation and the average interest rate of 11%, TG Discoms have computed the interest expenses on normative basis for the Control Period as summarized in table below:

<b>Interest cost (Rs. Cr)</b>	<b>2023-24</b>	<b>2024-25</b>	<b>2025-26</b>	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>
Opening Balance of long term loans	4,337	4,480	5,989	8,239	11,243	14,297
Receipt of New Loans (excl consumer contributions)	1,025	2,476	3,449	4,523	4,950	5,275
Repayment of loan (Depreciation for the year)	886	976	1,205	1,526	1,903	2,310
Closing Balance of long-term loans	4,480	5,989	8,239	11,243	14,297	17,274
Rate of interest	10.3%	10.2%	10.0%	10.0%	10.0%	10.0%
<b>Interest cost on Long term loans</b>	<b>453</b>	<b>535</b>	<b>710</b>	<b>972</b>	<b>1,273</b>	<b>1,577</b>

### **3.8 Return on Equity**

TG Discoms submit that clauses 29 of TGERC MYT Regulations, 2023, provides for Return on Equity (RoE) for Distribution Licensee which is reproduced as under:

*“29.2 Return on Equity shall be computed at the following base rates:*

*(e) Distribution licensee: Base Return on Equity of 14% and additional Return on Equity up to 2% linked to Licensee ’ s performance towards meeting standards of performance:*

*Provided that the Commission at the time of true-up shall allow the additional Return on Equity up to 2% based on Licensee meeting the summary of overall performance standards as specified in Clause 1.11 of Schedule III of TGERC (Licensees ’ Standards of Performance) Regulations, 2016*

*29.3 The Return on Equity shall be computed in the following manner:*

*(a) Return at the allowable rate as per this clause, applied on the amount of equity capital at the commencement of the Year; plus*

(b) Return at the allowable rate as per this Regulation, applied on 50 per cent of the equity capital portion of the allowable capital cost, for the investments put to use in generation business or transmission business or distribution business or SLDC, for such Year.”

Considering the funding pattern, TG Discoms have considered the equity addition during the year.

The return on equity has been computed as per the methodology specified in the TGERC MYT Regulations 2023 and, the DISCOM is expecting Return on Equity at 14% p.a and the tax on the return on equity as per the below clause

“Rate of pre-tax Return on Equity shall be rounded off to three decimal places and shall be computed as per the formula given below:

$$\text{Rate of pre-tax return on equity} = \text{Base Rate} / (1-t);$$

Where “Base Rate” is the rate of Base Return on Equity in accordance with clause 29.2;

“t” is the effective Income Tax rate in accordance with clause 30.1.”

Particulars (Rs. Cr)	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Regulatory Equity at the beginning of the year	1,138	1,479	2,296	3,472	4,930	6,567
Capitalization during the year	1366	3302	4599	6030	6599	7034
Equity portion of capitalization during the year	342	825	1150	1508	1650	1758
Equity portion of fully depreciated assets	0	9	14	10	13	12
Reduction in Equity Capital on account of retirement / replacement of assets	-	-	-	-	-	-
Regulatory Equity at the end of the year	1479	2296	3432	4930	6537	8313
<b>Rate of Return on Equity</b>						
Base rate of Return on Equity	14%	14%	14%	14%	14%	14%
Effective Income Tax rate	100%	100%	100%	100%	100%	100%
Rate of Return on Equity	14%	14%	14%	14%	14%	14%
<b>Return on Equity Computation</b>						
Return on Regulatory Equity at the beginning of the year	159	207	321	481	690	919
Return on Regulatory Equity addition during the year	24	58	80	106	115	123
Total Return on Equity	183	264	401	585	805	1042

### 3.9 Interest on Working Capital

TG Discoms submits that Regulation 33 of the TGERC MYT Regulations 2023 provides for Interest on Working Capital. Regulation 33.3 (a) of the said Regulations provides for the norms of computation of Working Capital for Distribution Wires Business.

TG Discoms further submits that Regulation 33.6 of the said Regulations provides that the normative rate of interest on working capital shall be equal to Base Rate as on the date on which the Petition for determination of Tariff is filed, plus 150 basis points. The relevant extract of the said Regulations is reproduced below:

*"33.6 Rate of interest on working capital shall be on normative basis and shall be equal to the Base Rate as on the date on which the Petition for determination of Tariff is filed, plus 150 basis points:"*

Accordingly, TG Discoms have calculated Interest on Working Capital for the control period @ 10.15% for Distribution Business.

Accordingly, TG Discoms have calculated Interest on working capital for Distribution Business as below:

#### **Distribution business**

<b>Particulars</b>	<b>2024-25</b>	<b>2025-26</b>	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>
O&M expenses	326	351	442	476	513
Maintenance spares	271	325	393	467	545
Receivables	698	804	1037	1202	1377
Less:					
Security Deposits	0	0	0	0	0
Total Working Capital requirement	1295	1480	1872	2145	2435
Interest rate	10.15%	10.15%	10.15%	10.15%	10.15%
Interest on working capital	131	150	190	218	247

### 3.10 NON-TARIFF INCOME

The licensee has considered the actual Non-Tariff income for FY 2022-23 (actuals) and escalated the item-wise NTI with a nominal growth rate of 2%.

The licensee has projected the Non-tariff income under Distribution Business under the following heads

Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Incidental Charges-Work	116.21	118.53	120.90	123.32	125.79	128.31
Sale of Scrap	0.02	0.02	0.02	0.02	0.02	0.02
Penalties from Suppliers	6.89	7.03	7.17	7.31	7.46	7.61
SDs & BGs forfeited	11.46	11.69	11.92	12.16	12.40	12.65
Miscellaneous income	9.41	9.60	9.79	9.99	10.19	10.39
Sale of Tender Schedule	0.29	0.30	0.30	0.31	0.31	0.32
Rent from Fixed Assets	0.40	0.41	0.42	0.42	0.43	0.44
Meter Testing Charges	0.50	0.51	0.52	0.53	0.54	0.55
Registration Fees	5.19	5.29	5.40	5.51	5.62	5.73
Interest on Staff loans & advances	0.12	0.12	0.12	0.13	0.13	0.13
Penalty from employees	0.05	0.05	0.05	0.05	0.05	0.06
NTI from Distribution Business	150.54	153.55	156.62	159.75	162.95	166.21

### 3.11 DISTRIBUTION ARR

The anticipated Aggregate Revenue Requirement (ARR) for the Distribution business for each year of the Control Period less Non-tariff income is determined as follows:

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Operation and Maintenance Charges	3,912	4,216	5,303	5,716	6,158
Depreciation	976	1,205	1,526	1,903	2,310
Interest and finance charges on Loan	535	710	972	1,273	1,577
Interest on working capital	131	150	190	218	247
Return on Equity	264	401	585	805	1,042
<b>Total Expenditure</b>	<b>5,818</b>	<b>6,682</b>	<b>8,576</b>	<b>9,914</b>	<b>11,334</b>
<b>Less</b>					
Income from Open Access charges	1	1	1	1	1
Non-Tariff income	154	157	160	163	166
Income from Other Business	-	-	-	-	-
<b>Net Distribution ARR</b>	<b>5,663</b>	<b>6,525</b>	<b>8,415</b>	<b>9,750</b>	<b>11,166</b>

## 4 PROPOSED WHEELING CHARGES

The licensee has determined the ARR for the distribution business and that forms the basis for determination of wheeling charges.

### Computation of Wheeling Tariffs:

As per Electricity (Amendment) Rules, 2024 dated 10<sup>th</sup> January 2024, clause 22, wheeling charges may be computed irrespective of voltage levels similar to the case

of transmission business. In accordance with the above rules, the below mentioned methodology is proposed for computation of wheeling tariffs irrespective of voltage levels in Rs/kVA/Month

$$\text{Wheeling Charges} = \frac{\text{Annual Revenue Requirement towards wheeling}}{\text{Contracted Capacity at Consumer end}}$$

Wheeling Tariff – Rs./kVA/month						
Particulars	UoM	2024-25	2025-26	2026-27	2027-28	2028-29
Distribution ARR	Rs Cr	5,663	6,525	8,415	9,750	11,166
Contracted Capacity at Consumer end	MVA	10,719	11,435	12,206	13,034	13,925
Wheeling Charges	Rs/kVA/Month	440	475	575	623	668

#### 5 RATIONALE FOR COMPUTATION METHODOLOGY ADOPTED FOR DETERMINATION OF WHEELING CHARGES

- For inter-state transmission system, consisting of 765KV, 400KV, 220KV the Hon'ble CERC is determining the aggregate transmission losses and charges irrespective of voltage level.
- For intra-state transmission system, consisting of 765KV, 400KV, 220KV and 132KV the Hon'ble TGERC is determining the aggregate transmission losses and charges irrespective of voltage level.
- However, for distribution system consisting of 33KV, 11KV and LT the Hon'ble TGERC is determining the voltage wise losses and charges which is different from the procedure followed in respect of transmission system.
- The Ministry of Power, Government of India, issued the notification dated 10<sup>th</sup> January'2024 stating that wheeling charges shall be computed as per the following formula:

$$\text{Wheeling Charges} = \frac{\text{Annual Revenue Requirement towards wheeling}}{\text{Energy wheeled during the year}}$$

- Subsequently, the Ministry of Power, Gol, issued the notification dated 17<sup>th</sup> January 2024 stating that wheeling charges shall be computed as per the following formula.

$$\text{Wheeling Charges} = \frac{\text{Annual Revenue Requirement towards wheeling}}{\text{Energy wheeled during the year}}$$

Provided that, the appropriate commission may determine the wheeling charges at different voltage levels separately in accordance with the above formula.

It is only a suggestion by MoP, Gol to Hon'ble TGERC and is not mandatory.

Additionally, with respect to the policies and incentives launched and rolled out by Gol, the following points may kindly be taken into consideration to allow wheeling charges to be charged irrespective of voltage levels:

- The roof-top solar installations are increasing at a rapid pace under Net Metering/Gross Metering/PM Surya Ghar schemes launched by Gol. As such, when the consumer loads under such metering are low, the surplus power generation will flow in reverse direction to 11 KV system.
- In PM-KUSUM Comp-'C', the solar power plants of capacities 0.5 to 2MW are coming up in 11KV system at rapid pace. During non-agriculture loads periods, the solar power generated will flow in reverse direction to 33 KV system.
- In PM-KUSUM Comp-'B' - Grid tied Solar pump sets, during the periods of non-operation of solar pump sets after yielding crops, the solar power generated will flow in reverse direction to 33KV system.
- Reduction in the cost of the Solar Panels and rules and regulations framed by the Government are encouraging the installation of Solar power plants and is increasing rapidly and there is a possibility of reverse flow of power from 11KV to 33 KV system.
- Hybrid Solar and Wind systems are coming up leading to continuous generation of power and there is a possibility of Reverse flow of power during the periods of Low-loads.



- Battery Energy Storage System may come up under LT and 11KV systems and there is a possibility of Reverse flow of power during the periods of Low-loads from 11 KV to 33 KV system.

Under the above stated conditions of distributed power generation scenarios, the Distribution Losses will increase and the Licensee will always face High Energy Losses in the Network burdening with high Network Cost.

In view of the above, the Licensee proposes the Aggregate Distribution Losses and Charges irrespective of the Voltage level on par with Inter and Intra State Transmission system to mitigate financial losses and the Hon'ble Commission may please accord approval for aggregate Distribution Losses and Charges.

## 6 NET ARR TO BE TRANSFERRED TO RETAIL BUSINESS

As per MYT regulation of 2 of 2023, in case complete accounting segregation has not been done between the wheeling business and retail supply business of the distribution licensee, the ARR of the distribution licensee shall be apportioned between wheeling and retail supply business with 10% of the O&M expense, depreciation, interest and finance charges on loan, interest on working capital, return on equity being transferred to retail supply business.

Accordingly, the net ARR to be transferred to retail supply business has been summarized below:

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Operation and Maintenance Charges	391	422	530	572	616
Depreciation	98	121	153	190	231
Interest and finance charges on Loan	53	71	97	127	158
Interest on working capital	13	15	19	22	25
Return on Equity	26	40	59	80	104
<b>Total Expenditure</b>	<b>582</b>	<b>668</b>	<b>858</b>	<b>991</b>	<b>1,133</b>
<b>Less</b>					
Income from Open Access charges	-	-	-	-	-
Non-Tariff income	-	-	-	-	-
Income from Other Business	-	-	-	-	-
<b>Net Distribution ARR</b>	<b>582</b>	<b>668</b>	<b>858</b>	<b>991</b>	<b>1,133</b>

*[Signature]*  
**CHIEF ENGINEER**  
 (RAC) TGSPDCL  
 Corporate Office, 6-1-50,  
 Mint Compound, Hyd-500004.

*[Signature]*  
 AAO/RAC AAO/RAC

*[Signature]*  
 DE/RAC SG/RAC

# గౌరవనీయమైన తెలంగాణ విద్యుత్ నియంత్రణ మండలి వారి సమక్షంలో

విద్యుత్ నియంత్రణ భవన్, జి.టి.ఎస్. కాలనీ, కళ్యాణ్ నగర్, హైదరాబాద్ - 500 045



## దక్షిణ తెలంగాణ విద్యుత్ పంపిణీ సంస్థ (టిజిఎస్సీడిసిఎల్)

### బహిరంగ ప్రకటన

- ఇందు మూలంగా టిజిఎస్సీడిసిఎల్ పరిధిలోని యావన్మందికి తెలియజేయునది ఏమనగా, ప్రభుత్వ యాజమాన్యంలోని డిస్ట్రిబ్యూషన్ మరియు రిటైల్ సరఫరా లైసెన్స్ నెం.13/2000 తేది:29.12.2000 కలిగి ఉన్న దక్షిణ తెలంగాణ విద్యుత్ పంపిణీ సంస్థ (టిజిఎస్సీడిసిఎల్), 5వ నియంత్రణ కాలానికి (FY 2024-25 నుండి FY 2028-29 వరకు) పంపిణీ వ్యాపారం యొక్క ఎఆర్ఆర్ & వీలింగ్ టారిఫ్ నిర్ణయించటానికి, ప్రతిపాదనల ధరభాగును గౌరవనీయమైన తెలంగాణ విద్యుత్ నియంత్రణ మండలి (TGERC) ముందు దాఖలు చేసింది. ఈ దాఖలాలను O.P. నెం.12/2024 & I.A. నెం.11/2024 గా గౌరవనీయమైన కమిషన్ వారిచే సమోచు చేయబడినవి.
- పైన పేరాలో పేర్కొన్న దాఖలాల ప్రతులను ఛీఫ్ ఇంజనీర్ (ఆర్.ఏ.సి) పంపిణీ సంస్థ ప్రధాన కార్యాలయం, (టిజిఎస్సీడిసిఎల్) కార్యాలయ ఆఫీస్, 'A' బ్లాక్, ఫస్ట్ ఫ్లోర్, మింట్ కాంపౌండ్, హైదరాబాద్-500063 మరియు బంజారా హిల్స్, హైదరాబాద్ (స్రాత్), హైదరాబాద్ (సెంట్రల్), మేడ్చల్, సైబర్ సీటీ, హమ్మిగూడ, సికింద్రాబాద్, రాజేంద్రనగర్, సరూర్ నగర్, వికారాబాద్, మహబూబ్ నగర్, గద్వాల్, నాగర్ కర్నూల్, వనపర్తి, మెదక్, సిద్దిపేట, సంగారెడ్డి, నల్గొండ, యాదాద్రి, సూర్యాపేట మరియు నారాయణపేట ఆపరేషన్ సర్కిల్స్ లో ఉన్న సూపరింటెండింగ్ ఇంజనీర్ కార్యాలయాల వద్ద అందుబాటులో ఉంటాయి. ఆసక్తి గల వారు ఈ దాఖలాల ప్రతులను పైన పేర్కొన్న కార్యాలయాల్లో, కార్యాలయ పని వేళల్లో ఉచితంగా పరిశీలించవచ్చును. ఈ ప్రతిపాదనలు డిస్ట్రిబ్యూషన్ కంపెనీ వారి వెబ్ సైట్ [www.tgsouthernpower.org](http://www.tgsouthernpower.org) లో మరియు [www.tgerc.telangana.gov.in](http://www.tgerc.telangana.gov.in) లో లింక్ ద్వారా అందుబాటులో ఉంటాయి. ఈ దాఖలాల ప్రతులను పై కార్యాలయాలలో 20.09.2024 నుండి ఫోటోకాపీ ఛార్జీల చెల్లింపు పై పొందవచ్చు.
- విద్యుత్ పంపిణీ సంస్థ ప్రతిపాదించిన సమగ్ర ఆదాయ ఆవశ్యకత సమాచారాన్ని (ఎఆర్ఆర్) మరియు టారిఫ్ (వీలింగ్ ఛార్జీలు) ప్రతిపాదనల పై ఏవైనా అభ్యంతరాలు/సూచనలు ఉంటే, సపోర్టింగ్ మెటీరియల్ తో పాటు ఛీఫ్ ఇంజనీర్ (ఆర్.ఏ.సి) గారికి ప్రధాన కార్యాలయం, హైదరాబాద్ (టిజిఎస్సీడిసిఎల్), కార్యాలయ ఆఫీస్, 'A' బ్లాక్, ఫస్ట్ ఫ్లోర్, మింట్ కాంపౌండ్, హైదరాబాద్-500063 వ్యక్తిగతంగా లేదా రిజిస్టర్డ్ పోస్ట్ ద్వారా 11.10.2024 సాయంత్రం 5 గంటలలోపు పంపగలరు. దాని కాపీని పైన పేర్కొన్న చిరునామాలో కమిషన్ సెక్రటరీ, TGERC వారికి కూడా సమర్పించాలి. అభ్యంతరాలు/సూచనలు నివేదించు వారి సంతకము (లు) మరియు పూర్తి పేరు, పోస్టల్ చిరునామా, ఇమెయిల్ ఐడి మరియు సంప్రదింపు నంబర్ పొందుపరచగలరు. ఏదైనా సంస్థ లేదా వినియోగదారుల వర్గం తరపున అభ్యంతరాలు/సూచనలు దాఖలు చేయబడితే, అది స్పష్టంగా పేర్కొనవలెను. అభ్యంతరదారు (లు) వ్యక్తిగతంగా వినిపించాలనుకుంటే ప్రత్యేకంగా పేర్కొనవలెను. అభ్యంతరాలు/సూచనలు ఈ దిగువ పట్టికలో పొందుపర్చు జతపరచవలెను.

అభ్యంతరదారు పేరు మరియు పూర్తి చిరునామాతో పాటు, ఇమెయిల్ ఐడి మరియు సంప్రదింపు నంబర్	అభ్యంతరం (లు) / సూచన (లు) సంక్షిప్త వివరాలు	టిజిఎస్సీడిసిఎల్ యొక్క ఎఆర్ఆర్ & వీలింగ్ టారిఫ్ పై అభ్యంతరాలు	టిజిఎస్సీడిసిఎల్ కార్యాలయమునకు అభ్యంతర ప్రతిని వసవించబడుతున్న ఆవశ్యకమైనది (అవును/కాదు)	అభ్యంతరదారు వ్యక్తిగతంగా వినిపించాలనుకుంటున్నారా (అవును/లేదు)
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- విద్యుత్ పంపిణీ సంస్థ (టిజిఎస్సీడిసిఎల్) ఐదవ నియంత్రణ కాలానికి (FY 2024-25 నుండి FY 2028-29 వరకు) ప్రతిపాదించిన టారిఫ్ (వీలింగ్ ఛార్జీలు) దిగువ షెడ్యూల్లో సూచించబడినవి.
  - తెలంగాణ విద్యుత్ నియంత్రణ మండలి వారు తేదీ 23.10.2024 ఉ. 10:30 గంటల నుండి కోర్ట్ హాల్, తెలంగాణ విద్యుత్ నియంత్రణ మండలి, విద్యుత్ నియంత్రణ భవన్, G.T.S కాలనీ, కళ్యాణ్ నగర్, హైదరాబాద్ లో బహిరంగ విచారణను నిర్వహించాలని భావిస్తోంది.
- స్థలం: హైదరాబాద్
- తేదీ: 20-09-2024
- సం/-
- చైర్మన్ మరియు మేనేజింగ్ డైరెక్టర్  
టిజిఎస్సీడిసిఎల్, హైదరాబాద్



## ఉత్తర తెలంగాణ విద్యుత్ పంపిణీ సంస్థ (టిజిఎస్సీడిసిఎల్)

### బహిరంగ ప్రకటన

- ఇందు మూలంగా టిజిఎస్సీడిసిఎల్ పరిధిలోని యావన్మందికి తెలియజేయునది ఏమనగా, ప్రభుత్వ యాజమాన్యంలోని డిస్ట్రిబ్యూషన్ మరియు రిటైల్ సరఫరా లైసెన్స్ నెం.14/2000 తేది:29.12.2000 కలిగి ఉన్న ఉత్తర తెలంగాణ విద్యుత్ పంపిణీ సంస్థ (టిజిఎస్సీడిసిఎల్), 5వ నియంత్రణ కాలానికి (FY 2024-25 నుండి FY 2028-29 వరకు) పంపిణీ వ్యాపారం యొక్క ఎఆర్ఆర్ & వీలింగ్ టారిఫ్ నిర్ణయించటానికి, ప్రతిపాదనల ధరభాగును గౌరవనీయమైన తెలంగాణ విద్యుత్ నియంత్రణ మండలి (TGERC) ముందు దాఖలు చేసింది. ఈ దాఖలాలను O.P. నెం.13/2024 & I.A. నెం.12/2024 గా గౌరవనీయమైన కమిషన్ వారిచే సమోచు చేయబడినవి.
- పైన పేరాలో పేర్కొన్న దాఖలాల ప్రతులను ఛీఫ్ ఇంజనీర్ (ఐపిసి & ఆర్ ఏ సి) పంపిణీ సంస్థ ప్రధాన కార్యాలయం, హనుమకొండ (టిజిఎస్సీడిసిఎల్, ఇంటి. నెం.2-5-31/2, విద్యుత్ భవన్, నక్కలుగుట్ట, హనుమకొండ-506001) మరియు హనుమకొండ, వరంగల్, మహబూబాబాద్, జయశంకర్ (భూపాలపల్లి), జనగాం, కరీంనగర్, జగిత్యాల, పెద్దపల్లి, నిజామాబాద్, కామారెడ్డి, ఖమ్మం, భద్రాద్రి కొత్తగూడెం, ఆదిలాబాద్, నిర్మల్, మంచినామిర్యాల మరియు కొమరంభీం (ఆసిఫాబాద్) ఆపరేషన్ సర్కిల్స్ లో ఉన్న సూపరింటెండింగ్ ఇంజనీర్ కార్యాలయాల వద్ద అందుబాటులో ఉంటాయి. ఆసక్తి గల వారు ఈ దాఖలాల ప్రతులను పైన పేర్కొన్న కార్యాలయాల్లో, కార్యాలయ పని వేళల్లో ఉచితంగా పరిశీలించవచ్చును. ఈ ప్రతిపాదనలు డిస్ట్రిబ్యూషన్ కంపెనీ వారి వెబ్ సైట్ [www.tgnpdcl.com](http://www.tgnpdcl.com) లో మరియు [www.tgerc.telangana.gov.in](http://www.tgerc.telangana.gov.in) లో లింక్ ద్వారా అందుబాటులో ఉంటాయి. ఈ దాఖలాల ప్రతులను పై కార్యాలయాలలో 20.09.2024 నుండి ఫోటోకాపీ ఛార్జీల చెల్లింపు పై పొందవచ్చు.
- విద్యుత్ పంపిణీ సంస్థ ప్రతిపాదించిన సమగ్ర ఆదాయ ఆవశ్యకత సమాచారాన్ని (ఎఆర్ఆర్) మరియు టారిఫ్ (వీలింగ్ ఛార్జీలు) ప్రతిపాదనల పై ఏవైనా అభ్యంతరాలు/సూచనలు ఉంటే, సపోర్టింగ్ మెటీరియల్ తో పాటు ఛీఫ్ ఇంజనీర్ (ఐపిసి & ఆర్ ఏ సి) పంపిణీ సంస్థ ప్రధాన కార్యాలయం, హనుమకొండ (టిజిఎస్సీడిసిఎల్, ఇంటి. నెం.2-5-31/2, విద్యుత్ భవన్, నక్కలుగుట్ట, హనుమకొండ-506001) వ్యక్తిగతంగా లేదా రిజిస్టర్డ్ పోస్ట్ ద్వారా 11.10.2024 సాయంత్రం 5 గంటలలోపు పంపగలరు. దాని కాపీని పైన పేర్కొన్న చిరునామాలో కమిషన్ సెక్రటరీ, TGERC వారికి కూడా సమర్పించాలి. అభ్యంతరాలు/సూచనలు నివేదించు వారి సంతకము (లు) మరియు పూర్తి పేరు, పోస్టల్ చిరునామా, ఇమెయిల్ ఐడి మరియు సంప్రదింపు నంబర్ పొందుపరచగలరు. ఏదైనా సంస్థ లేదా వినియోగదారుల వర్గం తరపున అభ్యంతరాలు/సూచనలు దాఖలు చేయబడితే, అది స్పష్టంగా పేర్కొనవలెను. అభ్యంతరదారు (లు) వ్యక్తిగతంగా వినిపించాలనుకుంటే ప్రత్యేకంగా పేర్కొనవలెను. అభ్యంతరాలు/సూచనలు ఈ దిగువ పట్టికలో పొందుపర్చు జతపరచవలెను.

అభ్యంతరదారు పేరు మరియు పూర్తి చిరునామాతో పాటు, ఇమెయిల్ ఐడి మరియు సంప్రదింపు నంబర్	అభ్యంతరం (లు) / సూచన (లు) సంక్షిప్త వివరాలు	టిజిఎస్సీడిసిఎల్ యొక్క ఎఆర్ఆర్ & వీలింగ్ టారిఫ్ పై అభ్యంతరాలు	టిజిఎస్సీడిసిఎల్ కార్యాలయమునకు అభ్యంతర ప్రతిని వసవించబడుతున్నది (అవును/కాదు)	అభ్యంతరదారు వ్యక్తిగతంగా వినిపించాలనుకుంటున్నారా (అవును/లేదు)
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- విద్యుత్ పంపిణీ సంస్థ (టిజిఎస్సీడిసిఎల్) ఐదవ నియంత్రణ కాలానికి (FY 2024-25 నుండి FY 2028-29 వరకు) ప్రతిపాదించిన టారిఫ్ (వీలింగ్ ఛార్జీలు) దిగువ షెడ్యూల్లో సూచించబడినవి.
  - ఈ ప్రతిపాదనలపై తెలంగాణ విద్యుత్ నియంత్రణ మండలి వారు తేదీ 24.10.2024 ఉ. 10:30 గంటల నుండి సమావేశ మందిరం, సమీకృత జిల్లా కార్యాలయాల సముదాయం, శ్రీలక్ష్మి కార్యాలయం, నిజామాబాద్ నందు బహిరంగ విచారణ నిర్వహించాలని భావిస్తోంది.
- స్థలం: హనుమకొండ
- తేదీ: 20-09-2024
- సం/-
- చైర్మన్ మరియు మేనేజింగ్ డైరెక్టర్  
టిజిఎస్సీడిసిఎల్, హనుమకొండ

షెడ్యూల్ - 1					
ఆర్థిక సం   2024-25 నుండి ఆర్థిక సం   2028-29 వరకు సమగ్ర ఆదాయ ఆవశ్యకత (ఎఆర్ఆర్)					
(రూ. కోట్లలో)					
వివరములు	2024-25	2025-26	2026-27	2027-28	2028-29
ఓ & ఎం ఛార్జీలు	3,912	4,216	5,303	5,716	6,158
తరుగుదల	976	1,205	1,526	1,903	2,310
అప్పు పై వడ్డీ మరియు ఆర్థిక ఛార్జీలు	535	710	972	1,273	1,577
నిర్వహణ మూలధనం పై వడ్డీ	131	150	190	218	247
ఈక్విటీ పై రాబడి	264	401	585	805	1,042
స్థూల సమగ్ర ఆదాయ ఆవశ్యకత	5,818	6,682	8,576	9,914	11,334
తగ్గింపు (-)					
ఓపెన్ యాక్సిస్ ఛార్జీల నుండి ఆదాయం	1.17	1.15	1.27	1.25	1.22
టారిఫ్ తర ఆదాయం	154	157	160	163	166
నికర సమగ్ర ఆదాయ ఆవశ్యకత	5,663	6,525	8,415	9,750	11,166

షెడ్యూల్ - 1					
ఆర్థిక సం   2024-25 నుండి ఆర్థిక సం   2028-29 వరకు సమగ్ర ఆదాయ ఆవశ్యకత (ఎఆర్ఆర్)					
(రూ. కోట్లలో)					
వివరములు	2024-25	2025-26	2026-27	2027-28	2028-29
ఓ & ఎం ఛార్జీలు	2,919	3,137	3,918	4,213	4,528
తరుగుదల	430	514	645	790	956
అప్పు పై వడ్డీ మరియు ఆర్థిక ఛార్జీలు	355	451	561	685	802
నిర్వహణ మూలధనం పై వడ్డీ	82	91	113	127	141
ఈక్విటీ పై రాబడి	106	157	222	300	380
స్థూల సమగ్ర ఆదాయ ఆవశ్యకత	3,892	4,349	5,460	6,115	6,806
తగ్గింపు (-)					
ఓపెన్ యాక్సిస్ ఛార్జీల నుండి ఆదాయం	6	7	9	11	12
టారిఫ్ తర ఆదాయం	172	175	179	182	186
నికర సమగ్ర ఆదాయ ఆవశ్యకత	3,714	4,167	5,272	5,922	6,608

షెడ్యూల్ - II					
ఆర్థిక సం   2024-25 నుండి ఆర్థిక సం   2028-29 వరకు ప్రతిపాదించిన వీలింగ్ టారిఫ్ మరియు పంపిణీ నష్టాలు.					
వివరములు	2024-25	2025-26	2026-27	2027-28	2028-29
A. వీలింగ్ ఛార్జీలు (రూ. / కె.వి.ఎ/వెల)					
వీలింగ్ ఛార్జీలు	395.07	426.79	515.98	559.98	600.43
B. వోల్టేజీ వారీగా పంపిణీ నష్టాలు తగ్గింపుకొనే క్రమం (%)					
33 కె.వి	3.48%	3.46%	3.44%	3.42%	3.40%
11 కె.వి	4.07%	4.04%	4.01%	3.98%	3.95%
ఎల్.టి	4.66%	4.61%	4.56%	4.51%	4.46%
C. మూలధన పెట్టుబడులు (రూ. కోట్లలో)					
మూలధన పెట్టుబడులు	4,794	5,785	7,194	7,180	7,504

షెడ్యూల్ - II					
ఆర్థిక సం   2024-25 నుండి ఆర్థిక సం   2028-29 వరకు ప్రతిపాదించిన వీలింగ్ టారిఫ్ మరియు పంపిణీ నష్టాలు.					
వివరములు	2024-25	2025-26	2026-27	2027-28	2028-29
A. వీలింగ్ ఛార్జీలు (రూ. / కె.వి.ఎ/వెల)					
వీలింగ్ ఛార్జీలు	817	884	1,078	1,168	1,255
B. వోల్టేజీ వారీగా పంపిణీ నష్టాలు తగ్గింపుకొనే క్రమం (%)					
33 కె.వి	2.99%	2.97%	2.95%	2.93%	2.91%
11 కె.వి	3.74%	3.71%	3.68%	3.65%	3.62%
ఎల్.టి	4.70%	4.65%	4.60%	4.55%	4.50%
C. మూలధన పెట్టుబడులు (రూ. కోట్లలో)					
మూలధన పెట్టుబడులు	1,584	1,947	2,887	2,667	2,731





جسٹس کے خلاف پوری جلی ہے...
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جسٹس کے خلاف پوری جلی ہے...
جسٹس کے خلاف پوری جلی ہے...
جسٹس کے خلاف پوری جلی ہے...

رجنی کانت کی فلم کا کروڑ ہا روپے کا منظر لیک

رجنی کانت کی فلم کا کروڑ ہا روپے کا منظر لیک...
رجنی کانت کی فلم کا کروڑ ہا روپے کا منظر لیک...
رجنی کانت کی فلم کا کروڑ ہا روپے کا منظر لیک...

42 سال بعد کسی ٹیم نے چینی میں ٹاس جیت کر پہلے یونگ کی

42 سال بعد کسی ٹیم نے چینی میں ٹاس جیت کر پہلے یونگ کی...
42 سال بعد کسی ٹیم نے چینی میں ٹاس جیت کر پہلے یونگ کی...
42 سال بعد کسی ٹیم نے چینی میں ٹاس جیت کر پہلے یونگ کی...

سارا ویرا پر 20 سالہ پابندی

سارا ویرا پر 20 سالہ پابندی...
سارا ویرا پر 20 سالہ پابندی...
سارا ویرا پر 20 سالہ پابندی...

Wanted Salesman
HOUSE FOR SALE
Farm Resi Plots for Sale

Public Notice
Notice is hereby given to all that the Distribution Company viz. (SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED)

Public Notice
Notice is hereby given to all that the Distribution Company viz. (NORTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED)

BEFORE THE HONOURABLE TELANGANA ELECTRICITY REGULATORY COMMISSION

Viduyar Niyrantran Bhawan, G.T.S. Colony, Kalyan Nagar, Hyderabad - 500 045

Table with columns: Particulars, 2024-25, 2025-26, 2026-27, 2027-28, 2028-29. Includes Schedule - I and Schedule - II.

Table with columns: Particulars, 2024-25, 2025-26, 2026-27, 2027-28, 2028-29. Includes Schedule - I and Schedule - II.

Advertisement for Jodi Pakwan & Catering, featuring images of food and contact information.



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## BEFORE THE HONOURABLE TELANGANA ELECTRICITY REGULATORY COMMISSION Viduyt Niyantran Bhavan, G.T.S. Colony, Kalyan Nagar, Hyderabad - 500 045

SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED | NORTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED (TGNPDCL)

**PUBLIC NOTICE**

1. Notice is hereby given to all that the Distribution Company viz. (SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED (TGSPOCL)) holding Distribution and Retail Supply License No.15(2020), as on (29.12.2020), filed before the Telangana Electricity Regulatory Commission (TGERC) the determination of ARR & Wheeling Tariff of Distribution Business for 5th control period from FY 2024-25 to FY 2028-29. These filings have been taken on record by the Honble Commission in O.P. Nos.12 of 2024 & L.A.Nos.11 of 2024.

2. Copies of the filings referred are available in the office of Chief Engineer (RAC), TGSPOCL, #5-1-50, Corporate Office, 'A' Block First floor, Mat Compound, Hyderabad 500053 and the Superintending Engineer, Operation circles of the Distribution Company at Banjarahills, Hyderabad(South), Hyderabad(Central), Medchal, Cyberabad, Habsiguda, Secunderabad, Rajendranagar, Saranagar, Vikarabad, Mahabubnagar, Gadwal, Nagarkurnool, Wanaparthy, Medak, Sircilla, Sangareddy, Nalgonda, Yadadri, Suryapet and Narayanpet. Interested persons may inspect/raise 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 [www.tpsc.statepower.org](http://www.tpsc.statepower.org) and the same may be accessed at [www.tgerc.telangana.gov.in](http://www.tgerc.telangana.gov.in). A copy of these filings can be obtained from the above offices from 20.09.2024 onwards on payment of photocopying charges.

3. Objections/suggestions, if any, on the tariff filings, together with supporting material may be sent to the Chief Engineer (RAC), TGSPOCL, #5-1-50, Corporate Office, 'A' Block First floor, Mat Compound, Hyderabad 500053 in person or through Registered Post as to be reach on or before 11.10.2024 by 5 pm. A copy of the same must also be filed with the Commission Secretary, TGERC, at the address mentioned above. The objections/suggestions should be duly signed and should carry full name, postal address, email 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:

Name & full address of the/their details of Objections against/Whether copy of objection A/ Whether Objector/Objeor along with e-mail/Objection/ ARR & Wheeling Tariff of delivery at Licensee's wants to be heard in person/Whether (Suggestor's) Tariff at TGSPOCL office enclosed (Yes/No) in person (Yes/No)

4. The gist of the tariff proposals of the Discom for the period from FY 2024-25 to FY 2028-29 are indicated in the schedule below.

5. Further, in this matter the Telangana Electricity Regulatory Commission intends to conduct a Public Hearing at Court Hall of TGERC, Viduyt Niyantran Bhavan, G.T.S. Colony, Kalyan Nagar, Hyderabad - 500 045 on 23.10.2024 from 10.30 hrs onwards.

Place: Hyderabad  
Date: 20.09.2024

S/-  
CHAIRMAN & MANAGING DIRECTOR  
(TGSPOCL)

**Schedule - I**  
**Aggregate Revenue Requirement (ARR) for FY 2024-25 to FY 2028-29**  
(Rs. Crores)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Operation & Maintenance Expenses	2312	4215	3363	3216	4158
Depreciation	975	1250	1320	1360	2310
Interest and finance charges on Loans	580	710	672	1273	1537
Interest on working capital	12	98	98	218	267
Return on Equity	294	407	366	366	1092
Gross ARR	6319	6880	6319	6394	11324
Less:					
Income from Open Access charges	117	110	127	120	122
Non-Tariff Income	04	07	00	00	00
Net ARR	6202	6769	6192	6274	11202

**Schedule - II**  
**Filing of Wheeling Tariffs and Wheeling Losses for FY 2024-25 to FY 2028-29**

Sl.No	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A)	Wheeling Tariff (Rs./kWh/Month)	3657	4323	3108	3298	3604
B)	Wheeling Loss	420	420	420	420	420
C)	Wheeling Loss Reduction/Injurious (Wheeling Losses %)	1.48%	1.48%	1.48%	1.48%	1.48%
D)	Wheeling Loss Reduction/Injurious (Wheeling Losses %)	4.21%	4.21%	4.21%	4.21%	4.21%
E)	Wheeling Loss Reduction/Injurious (Wheeling Losses %)	4.68%	4.68%	4.68%	4.68%	4.68%
F)	Capital Investments (Rs. in Cro)	4700	5384	7192	7159	7392

**PUBLIC NOTICE**

1. Notice is hereby given to all that the Distribution Company viz. (NORTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED (TGNPDCL)) holding Distribution and Retail Supply License No.14(2020), as on (29.12.2020), filed before the Telangana Electricity Regulatory Commission (TGERC) the determination of ARR & Wheeling Tariff of Distribution Business for 5th control period from FY 2024-25 to FY 2028-29. These filings have been taken on record by the Honble Commission in O.P. Nos.13 of 2024 & L.A.Nos.12 of 2024.

2. Copies of the filings referred are available in the office of Chief Engineer (RAC), TGNPDCL, H.No.2-5-312, Viduyt Bhawan, Nakkalagutta, Hanamkonda-506501 and the Superintending Engineer, Operation circles of the Distribution Company at Hanamkonda, Warangal, Mahabubabad, Janga Shamir(Bhupalipally), Jangson,Kammaragar, Jagtial, Peddapally, Khanaman, Sakrati, Kothagudem, Nizamabad, Kamareddy, Adilabad, Nirmal, Mancherial and Komarambheem (Afafabad). Interested persons may inspect/raise 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 [www.tgnpdcl.com](http://www.tgnpdcl.com) and the same may be accessed at [www.tgerc.telangana.gov.in](http://www.tgerc.telangana.gov.in). A copy of these filings can be obtained from the above offices from 20.09.2024 onwards on payment of photocopying charges.

3. Objections/suggestions, if any, on the tariff filings, together with supporting material may be sent to the Chief Engineer (RAC), TGNPDCL, H.No.2-5-312, Viduyt Bhawan, Nakkalagutta, Hanamkonda-506501 in person or through Registered Post as to be reach on or before 11.10.2024 by 5 pm. A copy of the same must also be filed with the Commission Secretary, TGERC, at the address mentioned above. The objections/suggestions should be duly signed and should carry full name, postal address, email 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:

Name & full address of the/their details of Objections against/Whether copy of objection A/ Whether Objector/Objeor along with e-mail/Objection/ ARR & Wheeling Tariff of delivery at Licensee's wants to be heard in person/Whether (Suggestor's) Tariff at TGNPDCL office enclosed (Yes/No) in person (Yes/No)

4. The gist of the tariff proposals of the Discom for the period from FY 2024-25 to FY 2028-29 are indicated in the schedule below.

5. Further, in this matter the Telangana Electricity Regulatory Commission intends to conduct a Public Hearing at Meeting Hall of 'Registered District Offices Complex (Collectorate Office), Nizamabad on 24.10.2024 from 10.30 hrs onwards.

Place: Hanamkonda  
Date: 20.09.2024

S/-  
CHAIRMAN & MANAGING DIRECTOR  
(TGNPDCL)

**Schedule - I**  
**Aggregate Revenue Requirement (ARR) for FY 2024-25 to FY 2028-29**  
(Rs. Crores)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Operation & Maintenance Expenses	2276	3127	2276	2273	4322
Depreciation	420	519	560	720	880
Interest and finance charges on Loans	300	400	380	380	620
Interest on working capital	10	90	110	120	140
Return on Equity	260	360	320	320	380
Gross ARR	3266	4396	3646	3513	6342
Less:					
Income from Open Access charges	6	7	9	9	12
Non-Tariff Income	12	15	19	12	18
Net ARR	3248	4384	3628	3493	6312

**Schedule - II**  
**Filing of Wheeling Tariffs and Wheeling Losses for FY 2024-25 to FY 2028-29**

Sl.No	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A)	Wheeling Tariff (Rs./kWh/Month)	977	886	1098	1198	1292
B)	Wheeling Loss	107	107	107	107	107
C)	Wheeling Loss Reduction/Injurious (Wheeling Losses %)	2.88%	2.88%	2.88%	2.88%	2.88%
D)	Wheeling Loss Reduction/Injurious (Wheeling Losses %)	2.76%	2.76%	2.88%	2.88%	2.88%
E)	Wheeling Loss Reduction/Injurious (Wheeling Losses %)	4.71%	4.68%	4.68%	4.68%	4.68%
F)	Capital Investments (Rs. in Cro)	1584	1847	2387	2387	2757



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GREATER HYDERABAD MUNICIPAL CORPORATION VETERINARY SECTION, SECUNDERABAD ZONE, GHMC

OFFICE OF THE EXECUTIVE ENGINEER DRINKING WATER AND SANITATION DIVISION, HATIA PROJECT, RANCHI

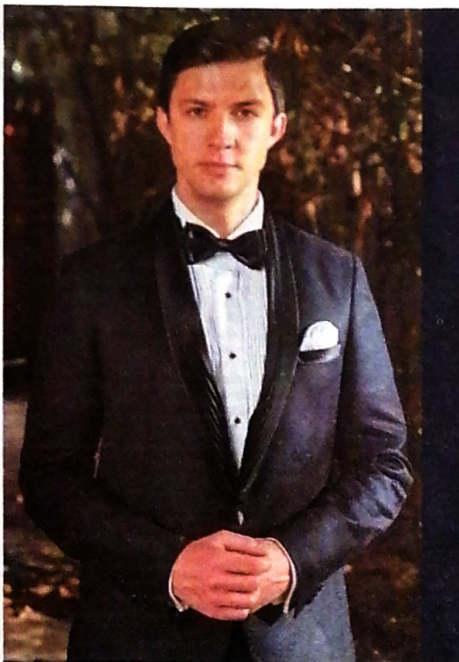
Table with 2 columns: S.No., Name of Position, No. of Positions, Maximum Remuneration in Rs. (Based on the candidate profile)

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BEFORE THE HONOURABLE TELANGANA ELECTRICITY REGULATORY COMMISSION

Viduyt Niyantar Bhavan, G.T.S. Colony, Kalyan Nagar, Hyderabad - 500 045

SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED

NORTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED (TGNPDCL)

PUBLIC NOTICE

1. Notice is hereby given to all that the Distribution Company viz. (SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED (TGSPDCL)) holding Distribution and Retail Supply License No. (14/2000), as on (29.12.2000), filed before the Telangana Electricity Regulatory Commission (TGERC)

PUBLIC NOTICE

1. Notice is hereby given to all that the Distribution Company viz. (NORTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED (TGNPDCL)) holding Distribution and Retail Supply License No. (14/2000), as on (29.12.2000), filed before the Telangana Electricity Regulatory Commission (TGERC)

Name & full address of the Brief details of Objections against Whether copy of objection & Whether Objector Objector along with e-mail (Objections) ARR & Wheeling (proof of delivery at Licensee's) wants to be heard in id and contact number (Suggestion/s) Tariff of TGSPDCL office enclosed (Yes/No) in person (Yes/No)

Name & full address of the Brief details of Objections against Whether copy of objection & Whether Objector Objector along with e-mail (Objections) ARR & Wheeling (proof of delivery at Licensee's) wants to be heard in id and contact number (Suggestion/s) Tariff of TGNPDCL office enclosed (Yes/No) in person (Yes/No)

4. The gist of the tariff proposals of the Discom for the period from FY 2024-25 to FY 2028-29 are indicated in the schedule below

4. The gist of the tariff proposals of the Discom for the period from FY 2024-25 to FY 2028-29 are indicated in the schedule below

Table with 6 columns: Particulars, 2024-25, 2025-26, 2026-27, 2027-28, 2028-29. Includes Schedule - I (Aggregate Revenue Requirement) and Schedule - II (Filing of Wheeling Tariffs).

Table with 6 columns: Particulars, 2024-25, 2025-26, 2026-27, 2027-28, 2028-29. Includes Schedule - I (Aggregate Revenue Requirement) and Schedule - II (Filing of Wheeling Tariffs).