

NORTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED

(Distribution & Retail Supply Licensee)



**Filing of ARR & Wheeling Tariff Proposals
for Distribution Business for 5th Control Period
(FY 2024-25 to FY 2028-29)**

July, 2024

**BEFORE THE HONOURABLE TELANGANA ELECTRICITY REGULATORY
COMMISSION**

At its office at 5th 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 ELECTRICITY REGULATORY COMMISSION (MULTI YEAR TARIFF) REGULATION (Regulation No. 2 of 2023) by the Northern Power Distribution Company of Telangana Limited ('TGNPDCL' or 'the Company' or 'the Licensee') as the Distribution Supply Licensee.

In the matter of:

NORTHERN 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 (RegulationNo.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 No. 2 of 2023 (which supersedes the above mentioned APERC 4 of 2005 Regulation along with Amendments thereof). 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. The Licensee is required to file the ARR & FPT for Distribution Business for the Fifth control period (2024-25 to 2028-29) by 30th November, 2023 (i.e. not less than 120 days before the commencement of fifth control period). TG Discoms (TGSPDCL and TGNPDCL) having same cause of action, a letter was submitted to the Hon'ble Commission, for seeking extension of time for filing of ARR for Distribution Business MYT for the Fifth Control Period (FY 2024-25 to FY 2028-29) up to 2nd January 2024 along with filing of ARR & Tariff Proposals for Retail Supply Business for FY 2024-25 due to enforcement of model code of conduct in view of state Assembly Elections and the TG DISCOMs will be able to prepare ARR for Retail Supply Business for FY 2024-25 & Distribution Business MYT for 5th control period for FY 2024-25 to FY 2028-29 based on the approval of Resource Plan for 5th & 6th control periods filed before the Hon'ble Commission.
3. The Hon'ble Commission vide Lr.No.TSERC/Secy/Tariff/F.No. E-633686/D.No.766/23, Dated:22.11.2023 directed that the extension of time for filing of ARR and Tariff Proposals of Retail Supply Business for FY 2024-25 and MYT filing for Distribution Business for 5th control period i.e., FY 2024-25 to FY 2028-29 from 30.11.2023 to 02.01.2024.
4. Further, TG Discoms (TGSPDCL and TGNPDCL) having same cause of action for filing hence a letter was submitted to the Hon'ble Commission, for seeking extension of time for filing of ARR for Distribution Business MYT for the Fifth Control Period (FY 2024-25 to FY 2028-29) up to 2nd February 2024 along with filing of ARR & Tariff Proposals for Retail Supply Business for FY 2024-25 due to upcoming LIS data yet to be received from I&CAD department. CoD of new power plants Viz., YTPS, TSTPP, NCEs and delay in receipt of information from CGS stations.
5. Further, the Hon'ble TGERC has issued Regulation No. 02 of 2023 (Multi Year Tariff) on 30.12.2023. This Regulation supersede of Regulation No. 04 of 2005 and along with amendments thereof. The Hon'ble Commission vide Lr.No.TSERC/Secy/Tariff/F.No.651372/D.No.22/23,Dated:05.01.2024 directed that the further extension of time for filing of ARR and Tariff Proposals of Retail Supply Business for FY 2024-25 and MYT filing for Distribution Business for 5th control period i.e., FY 2024-25 to FY 2028-29 from 2nd January 2024 to 2nd February 2024 is rejected and as per the clause 6

of TGERC (MYT) Regulation, 2023, TGDISCOMs shall file Multi Year Tariff petitions for the control period commencing from 01.04.2024 on or before 31.01.2024 in accordance with TGERC (MYT) Regulations, 2023.

6. Further, TG DISCOMs have filed the petition with the Hon'ble Commission for amendment to certain clauses in new MYT Regulation No. 2 of 2023 for preparation of ARR & FPT for Retail Supply Business for FY 2024-25 and ARR for 5th Control Period of Distribution Business for FY 2024-25 to FY 2028-29. But the Hon'ble Commission vide Lr.No.S/RO-68 /5/ ro-1/D.No.78/2024, Dated:29.01.2024 directed that the amendment of the certain clauses cannot be carried out qua an order through a Petition. Therefore, the petition along with cheque for Rs. 25,000/- was returned. As such TG DISCOMs once again prayed the Hon'ble Commission to provide 3 months' additional time for filing of ARR & Tariff Proposals for FY 2024-25 for Retail Supply Business and Distribution Business MYT Proposals for 5th control period.
7. The Hon'ble Commission vide Lr.No.TSERC/Secy/E-661219/D.No.111/24,Dated: 07.02.2024 informed that the request made by DISCOMs for grant of 3 months' time for filing of ARR, CSS and Tariff Proposals of Retail Supply Business for FY 2024-25 and MYT filing for Distribution Business for 5th control period i.e., FY 2024-25 to FY 2028-29 was not accepted and the TG DISCOMs are directed to comply with the deadline as indicated in the MYT Regulation No. 2 of 2023, for filing the MYT Petition for the 5th Control Period.
8. The interlocutory applications filed by the TG DISCOMs for continuation of existing tariffs of Retail Supply Tariffs, Cross Subsidy Surcharge for FY 2024-25 and for continuation of existing Wheeling tariffs and Wheeling losses for 5th control period. The Hon'ble Commission considered the filed interlocutory applications of the continuation of Retail Supply Tariffs for Retail Supply Business and the continuation of Wheeling Tariffs & Wheeling losses for Distribution Business and passed the interim order dated 15.03.2024 in I.A.No.7 of 2024 & I.A.No.4 of 2024 in O.P.Nos.80 & 81 of 2022 and in I.A.No.6 of 2024 & I.A.No.5 of 2024 in O.P.Nos.9 & 10 of 2019 in accordance to powers conferred u/s. 94(2) of the Electricity Act,2003 which is extracted below respectively:

- (i) *“The existing RST and CSS of FY 2023-24 as decided in O. P. Nos. 80 and 81 of 2022 by order dated 24.03.2023 are made applicable from 01.04.2024 onwards pending disposal of these applications finally. The applicants are directed to file the regular petitions for determination of ARR for 5th control period for FY 2024-25 to FY 2028-29 and retail supply tariffs and CSS for FY 2024-25 immediately.”*
- (ii) *“The wheeling charges and losses in kind as applicable on 31.03.2024 as determined in the order dated 29.04.2020 are applicable and can be levied by applicants from 01.04.2024 onwards pending disposal of these applications finally. The applicants are directed to file the regular petitions for determination of fresh wheeling charges and losses in kind for the 5th control period being FY 2024-25 to FY 2028-29 immediately.”*

9. 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.

Past ARR & FPT Filings by Licensee for Distribution Business

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

Present ARR & Tariff Filings for 5th Control Period of Distribution Business

12. Accordingly, this filing is made by the Northern Power Distribution Company of Telangana Limited (TGNPDCL) 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.
13. 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

14. The licensee has filed a petition of Resource Plan with Hon'ble TGERC in which the capital investment plan included 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 on 01-04-2023, the Hon'ble Commission issued the approval of capital investment plan in Resource Plan order for 5th control period on 29.12.2023.

The following table provides a summary of the investment plan approved by the Hon'ble TGERC for each of the years of the 5th Control Period in Resource Plan Order as follows:

All figures in Rs. crore

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29	Total Control Period (FY 25-29)
Substation Additions	237	290	365	404	562	1,858
PTR Additions & Upgradations	23	34	49	65	84	254
Feeder Additions	1	2	4	6	8	20
DTR Unit Additions	659	721	789	861	938	3,969
Total Base Capex	920	1,047	1,207	1,336	1,592	6,101
AT & C Loss Reduction	16	7	9	11	9	52
Reliability Improvement & Contingency Schemes	40	57	67	68	73	306
Renovation & Modernization	42	62	82	102	122	410
Technology Upgradation	44	45	45	46	47	227
New Consumer Capex	83	88	93	98	104	466
Civil Infrastructure Development	16	16	16	16	16	82
Misc (capacitor bank)	12	12	12	12	12	60

AGL feeder Segregation	55	79	110	158	151	553
Total Other Capex	308	366	435	512	535	2155
Total Capex for DISCOM	1,228	1,413	1,641	1,847	2,127	8,256

Further, the DISCOM has the smart meter's projection to be considered in the base Capex in 5th control period as follows:

All figures in Rs. crore

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29	Total Control Period (FY 25-29)
Proposed Capex (Smart Meters)	356	534	1,246	820	604	3,560

Loss Reduction Trajectory

The Licensee has classified the total distribution losses into three voltage level losses viz., LT, 11KV and 33KV and the licensee proposes voltage wise losses for each year of the 5th control period and the same has filed vide petition dated 01-04-2023, the Hon'ble Commission issued the Resource Plan 5th control period Order on 29.12.2023.

The following table provides the loss reduction trajectory approved by the Hon'ble TGERC for each of the years of the 5th Control Period in Resource Plan Order as follows:

Voltage Level	2024-25	2025-26	2026-27	2027-28	2028-29
LT	4.70%	4.65%	4.60%	4.55%	4.50%
11 kV	3.74%	3.71%	3.68%	3.65%	3.62%
33 kV	2.99%	2.97%	2.95%	2.93%	2.91%

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

15. 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	5 th CP Total
Operation and Maintenance Charges	2,919	3,137	3,918	4,213	4,528	18,715
Depreciation	430	514	645	790	956	3,335
Interest & Finance charges on loan	355	451	561	685	802	2,853
Interest on Working Capital	82	91	113	127	141	553
Return on Equity	106	157	222	300	380	1,166

ARR	3,892	4,349	5,460	6,115	6,806	26,622
Less						
Income from Open Access charges	6	7	9	11	12	45
Non-Tariff income	172	175	179	182	186	894
Income from Other Business	-	-	-	-	-	-
Net ARR (Distribution Business)	3,714	4,167	5,272	5,922	6,608	25,682

Wheeling Charges Proposals

16. The licensee is proposing the uniform distribution wheeling charges for all voltages (LT, 11KV & 33KV) of Distribution system for each year of the 5th control period as follows.

Wheeling Tariff – Rs./kVA/month					
Description	2024-25	2025-26	2026-27	2027-28	2028-29
Wheeling Charges* (Rs/KVA/Month) for all voltages (LT,11KV & 33KV)	817	884	1,078	1,168	1,255

*The DISCOM has requested to the Hon'ble Commission on 21.03.2024 to adopt a uniform methodology for determining the wheeling losses & wheeling charges for entire Distribution System same for all voltages like intrastate Transmission System & inter-state Transmission System.

17. 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.

18. This filing has been discussed and approved by the Board of Directors of TGNPDCL and Sri K. Tirmal Rao, Chief General Manager/ (IPC&RAC) of TGNPDCL has been authorized to execute and file the said document on behalf of TGNPDCL. Accordingly, the current filing documents are signed and verified by, and backed by the affidavit of Sri K. Tirmal Rao, Chief General Manager/ (IPC&RAC) of TGNPDCL.

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

- Condone the delay in filing of this petition.
- Take the accompanying ARR and Wheeling Tariff application of TGNPDCL on record for Distribution Business and treat it as complete.
- Grant suitable opportunity to TGNPDCL within a reasonable time frame to file additional material information that may be subsequently available;
- Consider and approve TGNPDCL'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.

NORTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED

...Applicant

Through


CHIEF GENERAL MANAGER
IPC & RAC/TGNPDCL

Place: Hanumakonda,

Date: 19 .07.2024.

**BEFORE THE HONOURABLE TELANGANA ELECTRICITY REGULATORY
COMMISSION**

At its office at 5th Floor, Singareni Bhavan, Red Hills, Hyderabad 500 004

FILING NO. _____/2024

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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 ELECTRICITY REGULATORY COMMISSION (MULTI YEAR TARIFF) REGULATION (Regulation No. 2 of 2023 by the Northern Power Distribution Company of Telangana Limited ('TGNPDCL' or 'the Company' or 'the Licensee') as the Distribution Supply Licensee.

In the matter of:

NORTHERN 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, K. Tirmal Rao, son of Sri K. Damoder Rao, aged 57 years, working for gain at the Northern Power Distribution Company of Telangana Limited do solemnly affirm and say as follows:

- 1 I am the Chief General Manager/ (IPC & RAC) of TGNPDCL, I am competent and duly authorized by TGNPDCL to affirm, swear, execute and file this petition.
- 2 As such, I submit that I have been duly authorized by the Board of Directors of TGNPDCL to submit the application of TGNPDCL for determination of ARR and wheeling charges of Distribution Business for 5th control period (FY2024-25 and FY2028-29) Terms and Conditions of Telangana Electricity Regulatory Commission (Multi Year Tariff) Regulation, 2023 (Regulation No. 2 of 2023), to the Hon'ble Commission.

- 3 I submit that I have read and understood the contents of the appended application of TGNPDCL. 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.
- 4 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 of TGNPDCL on record and treat it as complete;
 - b) Grant suitable opportunity to TGNPDCL within a reasonable time frame to file additional material information that may be subsequently available;
 - c) Consider and approve TGNPDCL's ARR and Tariff application 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 Hanumakonda on this 19th 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.


General Manager
IPC & RAC, TGNPDCL,
Warangal.


DEPONENT
Chief General Manager
IPC & RAC, TGNPDCL,
WARANGAL.


DEPONENT
Chief General Manager
IPC & RAC, TGNPDCL,
WARANGAL.

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List of 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
SCADA	Supervisory Control & Data Acquisition
SS	Sub Station
ST&D	Sub-Transmission & Distribution
T&D	Transmission and Distribution
TGERC	Telangana Electricity Regulatory Commission
UDAY	Ujwal DISCOM Assurance Yojana
WC	Working Capital

Glossary

“**1st Control Period**” refers to the period from FY 2006-07 to FY 2008-09.

“**2nd Control Period**” refers to the period from FY 2009-10 to FY 2013-14.

“**3rd Control Period**” refers to the period from FY 2014-15 to FY 2018-19.

“**4th Control Period**” refers to the period from FY 2019-20 to FY 2023-24.

“**5th 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 Wheeling Business” means the Business of operating and maintaining a distribution system for wheeling of electricity in the area of supply of a distribution licensee;

“Retail Supply Business” means the Business of sale of electricity by a distribution licensee to its consumers in accordance with the terms of its Licence;

“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 1st April of a calendar year and ending on 31st 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 TGNPDCL.

“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

“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 (RegulationNo.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 No. 2 of 2023 (which supersedes the above mentioned APERC 4 of 2005 Regulation along with Amendments thereof). 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.
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- e) Further, the Hon'ble TGERC has issued Regulation No. 02 of 2023 (Multi Year Tariff) on 30.12.2023. This Regulation supersedes Regulation No. 04 of 2005 and along with amendments thereof. The Hon'ble Commission vide Lr.No.TSERC/Secy/Tariff/F.No.651372/D.No.22/23,Dated:05.01.2024 directed that the further extension of time for filing of ARR and Tariff Proposals of Retail Supply Business for FY 2024-25 and MYT filing for Distribution Business for 5th control period i.e., FY 2024-25 to FY 2028-29 from 2nd January 2024 to 2nd February 2024 is rejected and as per the clause 6 of TGERC (MYT) Regulation, 2023, TGDISCOMs shall file Multi Year Tariff petitions for the control period commencing from 01.04.2024 on or before 31.01.2024 in accordance with TGERC (MYT) Regulations, 2023.
- f) Further, TG DISCOMs have filed the petition with the Hon'ble Commission for amendment to certain clauses in new MYT Regulation No. 2 of 2023 for preparation of ARR & FPT for Retail Supply Business for FY 2024-25 and ARR for 5th Control Period of Distribution Business for FY 2024-25 to FY 2028-29. But the Hon'ble Commission vide Lr.No.S/RO-68 /5/ ro-1/D.No.78/2024, Dated:29.01.2024 directed that the amendment of the certain clauses cannot be carried out qua an order through a Petition. Therefore, the petition along with cheque for Rs. 25,000/- was returned. As such TG DISCOMs once again prayed the Hon'ble Commission to provide 3 months' additional time for filing of ARR & Tariff Proposals for FY 2024-25 for Retail Supply Business and Distribution Business MYT Proposals for 5th control period.
- g) The Hon'ble Commission vide Lr.No.TSERC/Secy/E-661219/D.No.111/24,Dated: 07.02.2024 informed that the request made by DISCOMs for grant of 3 months' time for filing of ARR, CSS and Tariff Proposals of Retail Supply Business for FY 2024-25 and MYT filing for Distribution Business for 5th control period i.e., FY 2024-25 to FY 2028-29

was not accepted and the TG DISCOMs are directed to comply with the deadline as indicated in the MYT Regulation No. 2 of 2023, for filing the MYT Petition for the 5th Control Period.

h) The interlocutory applications filed by the TG DISCOMs for continuation of existing tariffs of Retail Supply Tariffs, Cross Subsidy Surcharge for FY 2024-25 and for continuation of existing Wheeling tariffs and Wheeling losses for 5th control period. The Hon'ble Commission considered the filed interlocutory applications of the continuation of Retail Supply Tariffs for Retail Supply Business and the continuation of Wheeling Tariffs & Wheeling losses for Distribution Business and passed the interim order dated 15.03.2024 in I.A.No.7 of 2024 & I.A.No.4 of 2024 in O.P.Nos.80 & 81 of 2022 and in I.A.No.6 of 2024 & I.A.No.5 of 2024 in O.P.Nos.9 & 10 of 2019 in accordance to powers conferred u/s. 94(2) of the Electricity Act,2003 which is extracted below respectively:

(i) *“The existing RST and CSS of FY 2023-24 as decided in O. P. Nos. 80 and 81 of 2022 by order dated 24.03.2023 are made applicable from 01.04.2024 onwards pending disposal of these applications finally. The applicants are directed to file the regular petitions for determination of ARR for 5th control period for FY 2024-25 to FY 2028-29 and retail supply tariffs and CSS for FY 2024-25 immediately.”*

(ii) *“The wheeling charges and losses in kind as applicable on 31.03.2024 as determined in the order dated 29.04.2020 are applicable and can be levied by applicants from 01.04.2024 onwards pending disposal of these applications finally. The applicants are directed to file the regular petitions for determination of fresh wheeling charges and losses in kind for the 5th control period being FY 2024-25 to FY 2028-29 immediately.”*

i) 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.

j) Accordingly, this filing is made by the Northern Power Distribution Company of Telangana Limited (TGNPDCL) 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.

- k) 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
 - i. Aggregate Revenue Requirement for 5th control period (FY2024-25 to FY2028-29) for the Distribution Business.
 - ii. Wheeling Tariff Proposals for 5th 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 5th control period i.e. from FY 2024-25 to 2028-29 which inter alia contains Sales Forecast, Distribution loss trajectory, Load Forecast, Power Procurement Plan and Distribution Plan as per the guidelines for the approval of the Hon'ble Commission on 01.04.2023. 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.

2.1 BASE CAPEX NETWORK ADDITIONS

As detailed in the Resource Plan, the Distribution Plan is prepared considering all the network elements required for system expansion to cater to the load growth and network strengthening. The approved network additions for the 5th Control Period as approved in the Resource Plan order is summarized below:

Element	Unit	2024-25	2025-26	2026-27	2027-28	2028-29	5th Control Period Total
Substation Additions	Nos.	55	64	76	80	104	379
PTR Additions	Nos.	17	27	43	53	62	202
PTR Augmentation	Nos.	18	24	26	35	42	145
Feeder Additions	Nos.	3	6	12	17	22	60
DTR Additions	Nos.	11,074	11,582	12,101	12,621	13,141	60,519

2.2 BASE CAPITAL INVESTMENT

As approved in the Resource Plan order for 5th Control Period, the capital investment required for each element of network projections for 5th control period (FY2024-25 to FY2028-29) is tabulated below:

Network Element	Unit	2024-25	2025-26	2026-27	2027-28	2028-29	5th Control Period Total
Substation Additions	Rs. Crs	237	290	365	404	562	1,858
PTR Additions & Upgradations	Rs. Crs	23	34	49	65	84	254
Feeder Additions	Rs. Crs	1	2	4	6	8	20
DTR Unit Additions	Rs. Crs	659	721	789	861	938	3,969
Total Base Capex	Rs. Crs	920	1,047	1,207	1,336	1,592	6,101
Smart Meters	Rs. Crs	356	534	1,246	820	604	3,560
Total Base Capex with Smart Meters	Rs Crs	1,276	1,581	2,453	2,156	2,196	9,661

2.3 OTHER CAPITAL EXPENDITURE PLAN

In addition to the Base Capital Expenditure Plan, the Other Capital Expenditure Plan is also approved in the Resource Plan order for 5th Control Period, 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)	AT & C Loss Reduction	16	7	9	11	9	52
b)	Reliability Improvement & Contingency Schemes	40	57	67	68	73	306
c)	Renovation & Modernization	42	62	82	102	122	410
d)	Technology Upgradation	44	45	45	46	47	227
e)	New Consumer Capex	83	88	93	98	104	466
f)	Civil Infrastructure Development	16	16	16	16	16	82
g)	Misc (capacitor bank)	12	12	12	12	12	60
h)	AGL feeder Segregation	55	79	110	158	151	553
	Total Other Capex	308	366	435	512	535	2155

2.4 TOTAL CAPITAL EXPENDITURE

The total capital Expenditure projections as approved in the Distribution Plan in the Resource Plan Order for 5th control period as approved by Hon'ble TGERC is summarized below and proposed additional capex for smart meters' installation:

Figures in Rs. Crores

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29	Total Control Period (FY 25-29)
Base Capex	920	1,047	1,207	1,336	1,592	6,101
Other Capex	308	366	435	512	535	2155
Proposed Capex (Smart Meters)	356	534	1,246	820	604	3,560
Total Capex for DISCOM	1,584	1,947	2,887	2,667	2,731	11,816

3 ARR OF DISTRIBUTION BUSINESS FOR FIFTH CONTROL PERIOD

TGERC Regulation 2 of 2023 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 wheeling business) comprising:

- i. True-up of preceding year;*
- ii. Aggregate Revenue Requirement for each year of the Control Period;*
- iii. Proposal of Tariff and charges for each 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 5th 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 in accordance to the Resource Plan order for 5th Control Period as approved by Hon’ble TGERC to compute the fixed asset additions during the 5th control period and additional proposed capex of smart meters. 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 been completed. The capitalization for each year of the 5th control period is considered as approved in the Resource Plan Order for 5th Control period (47.96% for TGNPDCL).

Figures in Rs Crores

Details	2024-25	2025-26	2026-27	2027-28	2028-29
Opening Balance of Capital Work in Progress (CWIP)	2,018	1,998	2,195	2,829	3,014
Total Capital Expenditure	1,584	1,947	2,887	2,667	2,731
Expenses Capitalized	121	132	170	136	122
IDC	117	141	184	159	143
Transfer to fixed assets	1,842	2,023	2,607	2,778	2,882
Closing CWIP	1,998	2,195	2,829	3,014	3,127

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 fittings	10
Office equipment	10

Description of asset	Useful-life (years)
I.T. equipment	6
Software	5

The depreciation is computed considering the opening balance of the Gross Fixed Assets and 50% of the fixed assets additions 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	9,603	10,199	12,041	14,064	16,671	19,449
Asset Additions during the Year	597	1842	2023	2607	2778	2882
Fully Depreciated assets Balance at the beginning of the year	2,910	3,160	3,457	3,717	3,988	4,258
Depreciation During the Year	373	430	514	645	790	956

3.3 CONSUMER CONTRIBUTION

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 5th Control Period.

The consumer contributions 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	171	182	193	205	217

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	7	19	30	43	56

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.

Methodology for Projection of O & M expenses

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

$$O\&M_n = EMP_n + R\&M_n + A\&G_n$$

Where,

- $O\&M_n$ – Operation and Maintenance expense for the nth year;
- EMP_n – Employee Costs for the nth year;
- $R\&M_n$ – Repair and Maintenance Costs for the nth year;
- $A\&G_n$ – Administrative and General Costs for the nth year;

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

$$EMP_n = (EMP_{n-1}) \times (\text{CPI Inflation});$$

$$R\&M_n = K \times (GFA_n) \times (\text{WPI Inflation}) \text{ and}$$

$$A\&G_n = (A\&G_{n-1}) \times (\text{WPI Inflation})$$

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 2018-19 to FY 2023-24).

Employee Expenses:

The employee expenses for the 5th 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/ sub components under employee expenses have been escalated at 7% year on year.

Administrative and General Expenses:

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 5 years (FY 2019-20 to FY 2023-24) 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 2023-24 (actuals) is considered as the K-factor.

R&M expenses in % of GFA	1.22%
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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	10199	12041	14064	16671	19449
R&M Cost	Rs. Crs	130	154	180	213	248

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	2560	2742	3487	3736	4002	16526
A&G Expenses	Rs. Crs	230	241	252	264	277	1264
R&M Cost	Rs. Crs	130	154	180	213	248	925
Total O&M Expenses	Rs. Crs	2919	3137	3918	4213	4528	18715

3.5 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.

Clause No. 31.3 of the TGERC MYT Regulation No. 2 of 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 weighted average interest rate of TGNPDCL loan balance have been used to compute the interest expenses on normative basis for the Control Period as summarized in table below:

Interest cost (INR Cr)	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Opening Balance of long term loans	2,848	2,869	3,737	4,643	5,849	7,029
Receipt of New Loans (excl consumer contributions)	357	1,253	1,381	1,811	1,930	1,999
Repayment of loan (Depreciation for the year)	373	430	514	645	790	956
Equity portion of GFA of fully depreciated asset	37	45	39	41	40	60
CB of long term loans	2,869	3,737	4,643	5,849	7,029	8,132

Interest cost (INR Cr)	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Rate of interest	10.74%	10.75%	10.75%	10.69%	10.64%	10.57%
Interest cost on Long term loans	307	355	451	561	685	802

3.6 RETURN ON EQUITY

TG Discoms submit that clause No. 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:

(a) 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 (INR Cr)	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Regulatory Equity at the beginning of the year	526	582	926	1,321	1,857	2,433
Capitalization during the year	476	1671	1841	2415	2573	2665
Equity portion of capitalization during the year	119	418	460	604	643	666
Equity portion of fully depreciated assets (incremental)	62	74	65	68	67	100
Regulatory Equity at the end of the year	582	926	1321	1857	2433	2999
Rate of Return on Equity						
Base rate of Return on Equity	14%	14%	14%	14%	14%	14%
Effective Income Tax rate	0%	0%	0%	0%	0%	0%
Rate of Return on Equity	14%	14%	14%	14%	14%	14%
Return on Equity Computation						
Return on Regulatory Equity at the beginning of the year	74	82	130	185	260	341
Return on Regulatory Equity addition during the year	4	24	28	38	40	40
Total Return on Equity	78	106	157	222	300	380

3.7 INTEREST ON WORKING CAPITAL

TG Discoms submits that clause No. 33 of the TGERC MYT Regulation 2023 provides for Interest on Working Capital. Clause No. 33.3 (a) of the said Regulation provides for the norms of computation of Working Capital for Distribution Wires Business.

TG Discoms further submits that clause No. 33.6 of the said Regulation 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 clause 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, TGNPDCL has calculated Interest on Working Capital for the control period @ 10.15% for Distribution Business.

Accordingly, TGNPDCL has calculated Interest on working capital for Distribution Business as below:

Particulars (INR Cr)	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
O&M expenses	227	243	261	327	351	377
Maintenance spares	96	102	120	141	167	194
Receivables	418	458	514	650	730	815
Less:						
Security Deposits	0	0	0	0	0	0
Total Working Capital requirement	740	803	895	1117	1248	1386
Interest rate	10.15%	10.15%	10.15%	10.15%	10.15%	10.15%
Interest on working capital	75	82	91	113	127	141
Distribution ARR	3,387	3,714	4,167	5,272	5,922	6,608

3.8 NON-TARIFF INCOME

The licensee has considered the actual Non-Tariff income for FY 2023-24 (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 (INR Cr)	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Deferred Revenue Income	140.7	143.5	146.4	149.3	152.3	155.4
Interest on Staff Loans and Advances	-2.2	0.84	0.86	0.87	0.89	0.91
Income from Investments	6.5	6.7	6.8	6.9	7.1	7.2
Interest on Advances to Suppliers/Contractors	0.0	0.0	0.0	0.0	0.0	0.0
Security deposits / Bank Guarantee forfeited	3.9	4.0	4.1	4.1	4.2	4.3
Fines/Penalties from Suppliers/Mat Cust.	5.7	5.9	6.0	6.1	6.2	6.3
Other Miscellaneous Income	10.7	11.0	11.2	11.4	11.6	11.9
Total	165.5	171.8	175.3	178.8	182.3	186.0

3.9 INCOME FROM OPEN ACCESS

The licensee has projected the income from open access under Distribution Business as follows:

Particulars (INR Cr)	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Income from Open Access (Revenue from Wheeling Charges)	2.5	6.2	7.1	9.2	10.5	12.0

3.10 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 (INR Cr)	2024-25	2025-26	2026-27	2027-28	2028-29	Total 5 th Control Period
Operation and Maintenance Charges	2,919	3,137	3,918	4,213	4,528	18,715
Depreciation	430	514	645	790	956	3,335
Interest and finance charges on Loan	355	451	561	685	802	2,853
Interest on working capital	82	91	113	127	141	553
Return on Equity	106	157	222	300	380	1,166
Total Expenditure	3,892	4,349	5,460	6,115	6,806	26,622
Less						
Income from Open Access charges (Wheeling Charges)	6	7	9	11	12	45
Non-Tariff income	172	175	179	182	186	894
Income from Other Business	-	-	-	-	-	-
Net Distribution ARR	3,714	4,167	5,272	5,922	6,608	25,682

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 10th January 2024, clause 22, wheeling charges may be computed irrespective of voltage levels similar to the case of transmission business.

Further, Regulation 2 of 2023 (Telangana State Electricity Regulatory Commission (Multi Year Tariff) Regulation), clause 79.2 states that,

“The Wheeling Charges of the Distribution Licensee shall be determined by the Commission on the basis of a Petition for determination of Tariff filed by the Distribution Licensee:

Provided that the wheeling charges shall be denominated in terms of Rupees/ kVA/ month for long-term and medium-term open access”

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						
Voltage	UoM	2024-25	2025-26	2026-27	2027-28	2028-29
Distribution ARR	Rs Cr	3,714	4,167	5,272	5,922	6,608
Contracted Capacity at Consumer end	MVA	3,788	3,928	4,074	4,227	4,386
Wheeling Charges *	Rs/kVA/Month	817	884	1,078	1,168	1,255

*The DISCOM has requested to the Hon’ble Commission on 21.03.2024 to adopt a uniform methodology for determining the wheeling losses & wheeling charges for entire Distribution System same for all voltages like intrastate Transmission System & inter-state Transmission System.

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 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 to 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.

5 DISTRIBUTION BUSINESS MYT FILING FORMATS

Northern Power Distribution Company of Telangana Limited
Tariff Filing Formats - Wheeling and Retail Supply
Checklist

S. No.	Form	Title	Tick
1	Form 1	Aggregate Revenue Requirement	✓
2	Form 15	Operation and Maintenance Expenses	✓
3	Form 15.1	Employee Expenses	✓
4	Form 15.2	Administration & General Expenses	✓
5	Form 15.3	Repair & Maintenance Expenses	✓
6	Form 16	Summary of Capital Expenditure and Capitalisation	✓
7	Form 17	Fixed Assets & Depreciation	✓
8	Form 18	Interest and finance charges on loan	✓
9	Form 19	Interest on working capital	✓
10	Form 20	Return on Equity	✓
11	Form 21	Non-Tariff Income	✓

Northern Power Distribution Company of Telangana Limited
Form 1: Aggregate Revenue Requirement (Distribution Business)

A) Distribution Wheeling Business + Retail Supply Business

(Rs. Crore)

S. No.	Particulars	Reference	Base Year 'n'		Control Period					Remarks
			April - March	n+1	n+2	n+3	n+4	n+5		
			Estimated	Projected	Projected	Projected	Projected	Projected		
5	Operation & Maintenance Expenses	Form 15	2722	2919	3137	3918	4213	4528		
6	Depreciation	Form 17	373	430	514	645	790	956		
7	Interest and finance charges on loan	Form 18	307	355	451	561	685	802		
8	Interest on Working Capital	Form 19	75	82	91	113	127	141		
9	Interest on Consumer Security Deposits	Form 19	0	0	0	0	0	0		
10	Return on Equity	Form 20	78	106	157	222	300	380		
11	Less:									
11.1	Income from Open Access charges	Form 23	2	6	7	9	11	12		
11.2	Non-Tariff Income	Form 21	165	172	175	179	182	186		
11.3	Income from Other Business	Form 22	0	0	0	0	0	0		
12	Add:									
12.1	Impact of true-up for prior period	Form 28	0	0	0	0	0	0		
13	Aggregate Revenue Requirement		3387	3714	4167	5272	5922	6608		

B) Distribution Wheeling Business

(Rs. Crore)

S. No.	Particulars	Reference	Base Year 'n'		Control Period					Remarks
			April - March	n+1	n+2	n+3	n+4	n+5		
			Estimated	Projected	Projected	Projected	Projected	Projected		
1	Operation & Maintenance Expenses	Form 15	2450	2627	2823	3526	3791	4075		
2	Depreciation	Form 17	336	387	462	581	711	860		
3	Interest and finance charges on loan	Form 18	276	320	405	505	617	721		
4	Interest on Working Capital	Form 19	68	73	82	102	114	127		
5	Return on Equity	Form 20	70	95	142	200	270	342		
6	Less:									
6.1	Income from Open Access charges	Form 23	2	6	7	9	11	12		
6.2	Non-Tariff Income	Form 21	165	172	175	179	182	186		
6.3	Income from Other Business	Form 22	0	0	0	0	0	0		
7	Add:									
7.1	Impact of true-up for prior period	Form 28								
8	Aggregate Revenue Requirement		3031	3325	3732	4726	5311	5927		

C) Retail Supply Business

(Rs. Crore)

S. No.	Particulars	Reference	Base Year 'n'		Control Period					Remarks
			April - March	n+1	n+2	n+3	n+4	n+5		
			Estimated	Projected	Projected	Projected	Projected	Projected		
5	Operation & Maintenance Expenses	Form 15	272	292	314	392	421	453		
6	Depreciation	Form 17	37	43	51	65	79	96		
7	Interest and finance charges on loan	Form 18	31	36	45	56	69	80		
8	Interest on Working Capital	Form 19	8	8	9	11	13	14		
9	Interest on Consumer Security Deposits	Form 19	0	0	0	0	0	0		
10	Return on Equity	Form 20	8	11	16	22	30	38		
11	Less:									
11.1	Income from Open Access charges	Form 23	0	0	0	0	0	0		
11.2	Non-Tariff Income	Form 21	0	0	0	0	0	0		
11.3	Income from Other Business	Form 22	0	0	0	0	0	0		
12	Add:									
12.1	Impact of true-up for prior period	Form 28								
13	Aggregate Revenue Requirement		355	389	435	546	611	681		

Northern Power Distribution Company of Telangana Limited
Form 15: Operation & Maintenance Expenses

A) Wire Business + Retail Supply Business

(Rs. Crore)

S. No.	Particulars	Reference	Year (n-1)	Base Year	Control Period				
			Apr-Mar	Apr - Mar	n+1	n+2	n+3	n+4	n+5
			Audited	Estimated	Projected	Projected	Projected	Projected	Projected
1	Employee Expenses	Form 15.1	2097	2389	2560	2742	3487	3736	4002
2	A&G Expenses	Form 15.2	237	276	230	241	252	264	277
3	R & M Expenses	Form 15.3	116	117	130	154	180	213	248
4	Total O&M Expenses		2450	2782	2919	3137	3918	4213	4528

B) Wire Business

(Rs. Crore)

S. No.	Particulars	Reference	Year (n-1)	Base Year	Control Period				
			Apr-Mar	Apr - Mar	n+1	n+2	n+3	n+4	n+5
			Audited	Estimated	Projected	Projected	Projected	Projected	Projected
1	Employee Expenses	Form 15.1	1887	2150	2304	2468	3138	3362	3602
2	A&G Expenses	Form 15.2	213	248	207	217	227	238	249
3	R & M Expenses	Form 15.3	105	105	117	138	162	192	223
4	Total O&M Expenses		2205	2504	2627	2823	3526	3791	4075

C) Retail Supply

(Rs. Crore)

S. No.	Particulars	Reference	Year (n-1)	Base Year	Control Period				
			Apr-Mar	Apr - Mar	n+1	n+2	n+3	n+4	n+5
			Audited	Estimated	Projected	Projected	Projected	Projected	Projected
1	Employee Expenses	Form 15.1	210	239	256	274	349	374	400
2	A&G Expenses	Form 15.2	24	28	23	24	25	26	28
3	R & M Expenses	Form 15.3	12	12	13	15	18	21	25
4	Total O&M Expenses		245	278	292	314	392	421	453

Northern Power Distribution Company of Telangana Limited
Form 15.1: Employee Expenses

A) Distribution Wire Business + Retail Supply Business

(Rs. Crore)

S.No.	Particulars	Year (n-4)	Year (n-3)	Year (n-2)	Year (n-1)	Base Year	Control Period				
		Apr-Mar	Apr-Mar	Apr-Mar	Apr-Mar	Apr - Mar	n+1	n+2	n+3	n+4	n+5
		Audited	Audited	Audited	Audited	Estimated	Projected	Projected	Projected	Projected	Projected
1	Basic Salary	753.61	780.54	797.67	811.87	1758.71	1881.82	2013.54	2557.20	2736.21	2927.74
2	Dearness Allowance (DA)	66.30	123.70	173.48	229.15	0.00	0.00	0.00	0.00	0.00	0.00
3	House Rent Allowance	27.99	54.03	59.28	67.18	0.00	0.00	0.00	0.00	0.00	0.00
4	Conveyance Allowance	10.53	11.17	11.37	11.43	0.00	0.00	0.00	0.00	0.00	0.00
5	Leave Travel Allowance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Earned Leave Encashment	111.67	208.65	97.21	101.67	0.00	0.00	0.00	0.00	0.00	0.00
7	Other Allowances	91.45	70.26	65.93	59.89	0.00	0.00	0.00	0.00	0.00	0.00
8	Medical Reimbursement	16.83	9.69	16.69	24.13	0.00	0.00	0.00	0.00	0.00	0.00
9	Overtime Payment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Bonus/Ex-Gratia Payments	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Interim Relief / Wage Revision	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Staff welfare expenses	3.08	3.81	4.17	2.13	34.36	36.76	39.34	49.96	53.46	57.20
13	VRS Expenses/Retrenchment Compensation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Commission to Directors	0.00	0.00	0.00	0.00	1.76	1.89	2.02	2.56	2.74	2.93
15	Training Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	Payment under Workmen's Compensation Act	0.00	0.00	0.00	0.00	161.26	172.55	184.63	234.47	250.89	268.45
17	Net Employee Costs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Terminal Benefits	0.00	0.00	0.00	0.00	329.58	355.94	384.42	492.06	531.42	573.94
18.1	Provident Fund Contribution	61.60	73.62	78.00	84.49	103.35	110.58	118.32	150.27	160.79	172.05
18.2	Provision for PF Fund	185.80	363.35	328.87	310.40	0.00	0.00	0.00	0.00	0.00	0.00
18.3	Pension Payments	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.4	Gratuity Payment	4.83	-0.24	6.68	27.64	0.00	0.00	0.00	0.00	0.00	0.00
19	Unfunded past liabilities of pension and gratuity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Others	145.59	148.02	150.78	366.94	0.00	0.00	0.00	0.00	0.00	0.00
21	Gross Employee Expenses	1479.29	1846.61	1790.14	2096.92	2389.02	2559.54	2742.27	3486.53	3735.50	4002.30
22	Less: Expenses Capitalised	49.64	38.52	40.21	43.10	50.60	0.00	0.00	0.00	0.00	0.00
23	Net Employee Expenses	1429.65	1808.09	1749.93	2053.82	2338.42	2559.54	2742.27	3486.53	3735.50	4002.30

Northern Power Distribution Company of Telangana Limited
Form 15.1: Employee Expenses

Distribution Wire Business

(Rs. Crore)

S.No.	Particulars	Year (n-4)	Year (n-3)	Year (n-2)	Year (n-1)	Base Year	Control Period				
		Apr-Mar	Apr-Mar	Apr-Mar	Apr-Mar	Apr - Mar	n+1	n+2	n+3	n+4	n+5
		Audited	Audited	Audited	Audited	Estimated	Projected	Projected	Projected	Projected	Projected
1	Basic Salary	678.25	702.48	717.90	730.68	1,582.84	1,693.64	1,812.19	2,301.48	2,462.59	2,634.97
2	Dearness Allowance (DA)	59.67	111.33	156.14	206.24	0.00	0.00	0.00	0.00	0.00	0.00
3	House Rent Allowance	25.19	48.63	53.35	60.46	0.00	0.00	0.00	0.00	0.00	0.00
4	Conveyance Allowance	9.47	10.06	10.23	10.29	0.00	0.00	0.00	0.00	0.00	0.00
5	Leave Travel Allowance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Earned Leave Encashment	100.51	187.79	87.49	91.50	0.00	0.00	0.00	0.00	0.00	0.00
7	Other Allowances	82.31	63.24	59.34	53.90	0.00	0.00	0.00	0.00	0.00	0.00
8	Medical Reimbursement	15.14	8.72	15.02	21.72	0.00	0.00	0.00	0.00	0.00	0.00
9	Overtime Payment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Bonus/Ex-Gratia Payments	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Interim Relief / Wage Revision	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Staff welfare expenses	2.77	3.43	3.75	1.92	30.92	33.09	35.40	44.96	48.11	51.48
13	VRS Expenses/Retrenchment Compensation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Commission to Directors	0.00	0.00	0.00	0.00	1.59	1.70	1.82	2.31	2.47	2.64
15	Training Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	Payment under Workmen's Compensation Act	0.00	0.00	0.00	0.00	145.13	155.29	166.16	211.03	225.80	241.61
17	Net Employee Costs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Terminal Benefits	0.00	0.00	0.00	0.00	296.62	320.35	345.98	442.85	478.28	516.54
18.1	Provident Fund Contribution	55.44	66.26	70.20	76.04	93.01	99.52	106.49	135.24	144.71	154.84
18.2	Provision for PF Fund	167.22	327.02	295.98	279.36	0.00	0.00	0.00	0.00	0.00	0.00
18.3	Pension Payments	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.4	Gratuity Payment	4.35	-0.22	6.01	24.88	0.00	0.00	0.00	0.00	0.00	0.00
19	Unfunded past liabilities of pension and gratuity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Others	131.04	133.22	135.70	330.24	0.00	0.00	0.00	0.00	0.00	0.00
21	Gross Employee Expenses	1331.36	1661.95	1611.13	1887.23	2150.11	2303.59	2468.04	3137.87	3361.95	3602.07
22	Less: Expenses Capitalised	44.67	34.66	36.19	38.79	45.54	0.00	0.00	0.00	0.00	0.00
23	Net Employee Expenses	1286.69	1627.28	1574.94	1848.44	2104.57	2303.59	2468.04	3137.87	3361.95	3602.07

Northern Power Distribution Company of Telangana Limited
Form 15.1: Employee Expenses

Retail Supply Business

(Rs. Crore)

S.No.	Particulars	Year (n-4)	Year (n-3)	Year (n-2)	Year (n-1)	Base Year	Control Period				
		Apr-Mar	Apr-Mar	Apr-Mar	Apr-Mar	Apr - Mar	n+1	n+2	n+3	n+4	n+5
		Audited	Audited	Audited	Audited	Estimated	Projected	Projected	Projected	Projected	Projected
1	Basic Salary	75.36	78.05	79.77	81.19	175.87	188.18	201.35	255.72	273.62	292.77
2	Dearness Allowance (DA)	6.63	12.37	17.35	22.92	0.00	0.00	0.00	0.00	0.00	0.00
3	House Rent Allowance	2.80	5.40	5.93	6.72	0.00	0.00	0.00	0.00	0.00	0.00
4	Conveyance Allowance	1.05	1.12	1.14	1.14	0.00	0.00	0.00	0.00	0.00	0.00
5	Leave Travel Allowance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Earned Leave Encashment	11.17	20.87	9.72	10.17	0.00	0.00	0.00	0.00	0.00	0.00
7	Other Allowances	9.15	7.03	6.59	5.99	0.00	0.00	0.00	0.00	0.00	0.00
8	Medical Reimbursement	1.68	0.97	1.67	2.41	0.00	0.00	0.00	0.00	0.00	0.00
9	Overtime Payment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Bonus/Ex-Gratia Payments	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Interim Relief / Wage Revision	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Staff welfare expenses	0.31	0.38	0.42	0.21	3.44	3.68	3.93	5.00	5.35	5.72
13	VRS Expenses/Retrenchment Compensation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Commission to Directors	0.00	0.00	0.00	0.00	0.18	0.19	0.20	0.26	0.27	0.29
15	Training Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	Payment under Workmen's Compensation Act	0.00	0.00	0.00	0.00	16.13	17.25	18.46	23.45	25.09	26.85
17	Net Employee Costs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Terminal Benefits	0.00	0.00	0.00	0.00	32.96	35.59	38.44	49.21	53.14	57.39
18.1	Provident Fund Contribution	6.16	7.36	7.80	8.45	10.33	11.06	11.83	15.03	16.08	17.20
18.2	Provision for PF Fund	18.58	36.34	32.89	31.04	0.00	0.00	0.00	0.00	0.00	0.00
18.3	Pension Payments	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.4	Gratuity Payment	0.48	-0.02	0.67	2.76	0.00	0.00	0.00	0.00	0.00	0.00
19	Unfunded past liabilities of pension and gratuity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Others	14.56	14.80	15.08	36.69	0.00	0.00	0.00	0.00	0.00	0.00
21	Gross Employee Expenses	147.93	184.66	179.01	209.69	238.90	255.95	274.23	348.65	373.55	400.23
22	Less: Expenses Capitalised	4.96	3.85	4.02	4.31	5.06	0.00	0.00	0.00	0.00	0.00
23	Net Employee Expenses	142.97	180.81	174.99	205.38	233.84	255.95	274.23	348.65	373.55	400.23

Northern Power Distribution Company of Telangana Limited
Form 15.2: A&G Expenses

A) Distribution Wire Business + Retail Supply Business

(Rs. Crore)

S. No.	Particulars	Year (n-4)	Year (n-3)	Year (n-2)	Year (n-1)	Base Year 'n'	Control Period				
		Apr-Mar	Apr-Mar	Apr-Mar	Apr-Mar	Apr - Mar	n+1	n+2	n+3	n+4	n+5
		Audited	Audited	Audited	Audited	Estimated	Projected	Projected	Projected	Projected	Projected
1	Rent Rates & Taxes	3.94	1.89	1.11	1.26	1.47	1.22	1.28	1.34	1.40	1.47
2	Insurance	0.08	0.08	0.06	0.05	0.06	0.05	0.05	0.06	0.06	0.06
3	Telephone & Postage, etc.	1.77	2.81	3.93	4.09	4.76	3.96	4.15	4.35	4.56	4.78
4	Legal charges & Audit fee	0.66	0.91	1.07	2.93	3.41	2.84	2.97	3.12	3.27	3.42
5	Professional, Consultancy, Technical fee	18.52	15.34	16.92	23.05	26.81	22.32	23.40	24.52	25.70	26.93
6	Conveyance & Travel	13.87	15.59	13.86	14.05	16.34	13.61	14.26	14.95	15.66	16.42
7	Electricity charges	4.73	4.78	4.82	5.66	6.58	5.48	5.75	6.02	6.31	6.61
8	Water charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Security arrangements	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Fees & subscription	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Books & periodicals	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Computer Stationery	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Printing & Stationery	2.79	3.13	2.75	4.09	4.76	3.96	4.15	4.35	4.56	4.78
14	Advertisements	0.24	0.43	0.26	0.39	0.45	0.37	0.39	0.41	0.43	0.45
15	Purchase Related Advertisement Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	Contribution/Donations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	License Fee and other related fee	5.94	0.52	3.34	4.02	4.67	3.89	4.08	4.27	4.48	4.69
18	Vehicle Running Expenses Truck / Delivery Van	1.23	1.09	1.21	1.34	1.56	1.30	1.36	1.43	1.50	1.57
19	Vehicle Hiring Expenses Truck / Delivery Van	9.76	9.41	13.44	16.79	19.54	16.27	17.05	17.87	18.73	19.63
20	Cost of services procured	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	Outsourcing of metering and billing system	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	Freight On Capital Equipments	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	V-sat, Internet and related charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	Training	0.04	0.65	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	Bank Charges	5.47	37.38	47.10	31.88	37.09	30.88	32.36	33.92	35.54	37.25
26	Miscellaneous Expenses	10.99	11.11	10.75	11.66	13.57	11.30	11.84	12.41	13.00	13.63
27	Office Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	Others	164.89	24.91	27.84	115.82	134.75	112.19	117.58	123.23	129.15	135.35
29	Gross A & G Expenses	244.95	130.03	148.87	237.08	275.82	229.66	240.69	252.24	264.35	277.05
30	Less: Expenses Capitalised	8.76	6.80	7.10	7.61	8.93					
31	Net A & G Expenses	236.19	123.23	141.78	229.48	266.89	229.66	240.69	252.24	264.35	277.05

Northern Power Distribution Company of Telangana Limited
Form 15.2: A&G Expenses

Distribution Wire Business

(Rs. Crore)

S. No.	Particulars	Year (n-4)	Year (n-3)	Year (n-2)	Year (n-1)	Base Year 'n'	Control Period				
		Apr-Mar	Apr-Mar	Apr-Mar	Apr-Mar	Apr - Mar	n+1	n+2	n+3	n+4	n+5
		Audited	Audited	Audited	Audited	Estimated	Projected	Projected	Projected	Projected	Projected
1	Rent Rates & Taxes	3.55	1.70	1.00	1.13	1.32	1.10	1.15	1.21	1.26	1.32
2	Insurance	0.07	0.07	0.05	0.05	0.06	0.05	0.05	0.05	0.05	0.06
3	Telephone & Postage, etc.	1.60	2.53	3.54	3.68	4.28	3.57	3.74	3.92	4.11	4.30
4	Legal charges & Audit fee	0.59	0.82	0.96	2.64	3.07	2.55	2.68	2.80	2.94	3.08
5	Professional, Consultancy, Technical fee	16.67	13.81	15.22	20.74	24.13	20.09	21.06	22.07	23.13	24.24
6	Conveyance & Travel	12.48	14.03	12.47	12.64	14.71	12.25	12.84	13.45	14.10	14.77
7	Electricity charges	4.26	4.30	4.33	5.09	5.93	4.93	5.17	5.42	5.68	5.95
8	Water charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Security arrangements	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Fees & subscription	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Books & periodicals	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Computer Stationery	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Printing & Stationery	2.51	2.82	2.47	3.68	4.29	3.57	3.74	3.92	4.11	4.30
14	Advertisements	0.22	0.39	0.24	0.35	0.40	0.34	0.35	0.37	0.39	0.41
15	Purchase Related Advertisement Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	Contribution/Donations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	License Fee and other related fee	5.35	0.47	3.00	3.61	4.20	3.50	3.67	3.84	4.03	4.22
18	Vehicle Running Expenses Truck / Delivery Van	1.11	0.98	1.09	1.21	1.41	1.17	1.23	1.29	1.35	1.41
19	Vehicle Hiring Expenses Truck / Delivery Van	8.79	8.47	12.09	15.12	17.58	14.64	15.34	16.08	16.85	17.66
20	Cost of services procured	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	Outsourcing of metering and billing system	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	Freight On Capital Equipments	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	V-sat, Internet and related charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	Training	0.04	0.58	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	Bank Charges	4.92	33.64	42.39	28.69	33.38	27.79	29.13	30.52	31.99	33.53
26	Miscellaneous Expenses	9.89	10.00	9.68	10.50	12.21	10.17	10.66	11.17	11.70	12.27
27	Office Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	Others	148.40	22.42	25.06	104.24	121.27	100.98	105.82	110.91	116.23	121.81
29	Gross A & G Expenses	220.46	117.03	133.99	213.37	248.24	206.69	216.62	227.02	237.92	249.34
30	Less: Expenses Capitalised	7.88	6.12	6.39	6.84						
31	Net A & G Expenses	212.57	110.91	127.60	206.53	248.24	206.69	216.62	227.02	237.92	249.34

Northern Power Distribution Company of Telangana Limited
Form 15.2: A&G Expenses

Retail Supply Business

(Rs. Crore)

S. No.	Particulars	Year (n-4)	Year (n-3)	Year (n-2)	Year (n-1)	Base Year 'n'	Control Period				
		Apr-Mar	Apr-Mar	Apr-Mar	Apr-Mar	Apr - Mar	n+1	n+2	n+3	n+4	n+5
		Audited	Audited	Audited	Audited	Estimated	Projected	Projected	Projected	Projected	Projected
1	Rent Rates & Taxes	0.39	0.19	0.11	0.13	0.15	0.12	0.13	0.13	0.14	0.15
2	Insurance	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
3	Telephone & Postage, etc.	0.18	0.28	0.39	0.41	0.48	0.40	0.42	0.44	0.46	0.48
4	Legal charges & Audit fee	0.07	0.09	0.11	0.29	0.34	0.28	0.30	0.31	0.33	0.34
5	Professional, Consultancy, Technical fee	1.85	1.53	1.69	2.30	2.68	2.23	2.34	2.45	2.57	2.69
6	Conveyance & Travel	1.39	1.56	1.39	1.40	1.63	1.36	1.43	1.49	1.57	1.64
7	Electricity charges	0.47	0.48	0.48	0.57	0.66	0.55	0.57	0.60	0.63	0.66
8	Water charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Security arrangements	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Fees & subscription	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Books & periodicals	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Computer Stationery	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Printing & Stationery	0.28	0.31	0.27	0.41	0.48	0.40	0.42	0.44	0.46	0.48
14	Advertisements	0.02	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.05
15	Purchase Related Advertisement Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	Contribution/Donations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	License Fee and other related fee	0.59	0.05	0.33	0.40	0.47	0.39	0.41	0.43	0.45	0.47
18	Vehicle Running Expenses Truck / Delivery Van	0.12	0.11	0.12	0.13	0.16	0.13	0.14	0.14	0.15	0.16
19	Vehicle Hiring Expenses Truck / Delivery Van	0.98	0.94	1.34	1.68	1.95	1.63	1.70	1.79	1.87	1.96
20	Cost of services procured	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	Outsourcing of metering and billing system	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	Freight On Capital Equipments	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	V-sat, Internet and related charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	Training	0.00	0.06	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	Bank Charges	0.55	3.74	4.71	3.19	3.71	3.09	3.24	3.39	3.55	3.73
26	Miscellaneous Expenses	1.10	1.11	1.08	1.17	1.36	1.13	1.18	1.24	1.30	1.36
27	Office Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	Others	16.49	2.49	2.78	11.58	13.47	11.22	11.76	12.32	12.91	13.53
29	Gross A & G Expenses	24.50	13.00	14.89	23.71	27.58	22.97	24.07	25.22	26.44	27.70
30	Less: Expenses Capitalised	0.88	0.68	0.71	0.76	8.93	0.00	0.00	0.00	0.00	0.00
31	Net A & G Expenses	23.62	12.32	14.18	22.95	18.65	22.97	24.07	25.22	26.44	27.70

Northern Power Distribution Company of Telangana Limited
Form 15.3: R&M Expenses

A) Distribution Wire Business + Retail Supply Business

(Rs. Crore)

S. No.	Particulars	Year (n-4)	Year (n-3)	Year (n-2)	Year (n-1)	Base Year 'n'	Control Period				
		Apr-Mar	Apr-Mar	Apr-Mar	Apr-Mar	Apr - Mar	n+1	n+2	n+3	n+4	n+5
		Audited	Audited	Audited	Audited	Estimated	Projected	Projected	Projected	Projected	Projected
1	Plant & Machinery	44.10	48.16	68.44	85.45	83.57	93.02	109.82	128.27	152.05	177.39
2	Buildings	0.06	0.09	0.07	0.07	0.29	0.32	0.38	0.44	0.53	0.61
3	Civil Works	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Hydraulic Works	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Lines & Cable Networks	13.20	13.14	11.94	1.97	5.99	6.67	7.87	9.19	10.89	12.71
6	Vehicles	0.00	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
7	Furniture & Fixtures	10.44	12.73	19.52	24.45	20.98	23.35	27.57	32.20	38.17	44.53
8	Office Equipment	1.10	6.20	3.17	4.48	6.14	6.83	8.06	9.42	11.16	13.02
9	Gross R&M Expenses	68.89	80.32	103.16	116.44	116.97	130.20	153.71	179.54	212.82	248.28
10	Gross Fixed Assets at beginning of year	7030.47	7887.88	8606.74	9054.74	9602.59	10199.12	12040.71	14063.93	16671.23	19448.88
11	R&M Expenses as % of GFA at beginning of year				1.29%	1.22%	1.28%	1.28%	1.28%	1.28%	1.28%

B) Distribution Wire Business

(Rs. Crore)

S. No.	Particulars	Year (n-4)	Year (n-3)	Year (n-2)	Year (n-1)	Base Year 'n'	Control Period				
		Apr-Mar	Apr-Mar	Apr-Mar	Apr-Mar	Apr - Mar	n+1	n+2	n+3	n+4	n+5
		Audited	Audited	Audited	Audited	Estimated	Projected	Projected	Projected	Projected	Projected
1	Plant & Machinery	39.69	43.34	61.59	76.91	75.21	83.72	98.84	115.45	136.85	159.65
2	Buildings	0.06	0.08	0.07	0.06	0.26	0.29	0.34	0.40	0.47	0.55
3	Civil Works	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Hydraulic Works	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Lines & Cable Networks	11.88	11.82	10.75	1.77	5.39	6.00	7.08	8.27	9.81	11.44
6	Vehicles	0.00	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
7	Furniture & Fixtures	9.39	11.45	17.57	22.01	18.88	21.02	24.81	28.98	34.36	40.08
8	Office Equipment	0.99	5.58	2.85	4.03	5.52	6.15	7.26	8.48	10.05	11.72
9	Gross R&M Expenses	62.00	72.29	92.85	104.80	105.27	117.18	138.34	161.59	191.54	223.46
10	Gross Fixed Assets at beginning of year				8149.27	8642.33	9179.21	10836.63	12657.54	15004.11	17503.99
11	R&M Expenses as % of GFA at beginning of year				1.29%	1.22%	1.28%	1.28%	1.28%	1.28%	1.28%

C) Retail Supply Business

(Rs. Crore)

S. No.	Particulars	Year (n-4)	Year (n-3)	Year (n-2)	Year (n-1)	Base Year 'n'	Control Period				
		Apr-Mar	Apr-Mar	Apr-Mar	Apr-Mar	Apr - Mar	n+1	n+2	n+3	n+4	n+5
		Audited	Audited	Audited	Audited	Estimated	Projected	Projected	Projected	Projected	Projected
1	Plant & Machinery	4.41	4.82	6.84	8.55	8.36	9.30	10.98	12.83	15.21	17.74
2	Buildings	0.01	0.01	0.01	0.01	0.03	0.03	0.04	0.04	0.05	0.06
3	Civil Works	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Hydraulic Works	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Lines & Cable Networks	1.32	1.31	1.19	0.20	0.60	0.67	0.79	0.92	1.09	1.27
6	Vehicles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Furniture & Fixtures	1.04	1.27	1.95	2.45	2.10	2.34	2.76	3.22	3.82	4.45
8	Office Equipment	0.11	0.62	0.32	0.45	0.61	0.68	0.81	0.94	1.12	1.30
9	Gross R&M Expenses	6.89	8.03	10.32	11.64	11.70	13.02	15.37	17.95	21.28	24.83
10	Gross Fixed Assets at beginning of year				905.47	960.26	1019.91	1204.07	1406.39	1667.12	1944.89
11	R&M Expenses as % of GFA at beginning of year				1.3%	1.2%	1.3%	1.3%	1.3%	1.3%	1.3%

Northern Power Distribution Company of Telangana Limited
Form 16: Summary of Capital Expenditure and Capitalisation

(Rs. Crore)

S. No.	Particulars	Year (n-1)	Base Year 'n'	Control Period				
		Apr-Mar	Apr - Mar	n+1	n+2	n+3	n+4	n+5
		Audited	Estimated	Projected	Projected	Projected	Projected	Projected
1	Opening Capital Works in Progress	503	551	2,018	1,998	2,195	2,829	3,014
2	Capital Expenditure during the year	595	2,064	1,822	2,220	3,241	2,963	2,995
3	Capitalisation during the year	548	597	1,842	2,023	2,607	2,778	2,882
4	Closing Capital Works in Progress	551	2,018	1,998	2,195	2,829	3,014	3,127

Northern Power Distribution Company of Telangana Limited
Form 17: Fixed Assets & Depreciation

A) Distribution Wire Business + Retail Supply Business

Base Year 'n'													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets				Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Free Hold Land			1.75	3.63	0.00	5.38	0.00	0.00	0.00	0.00	1.75	5.38
2	Buildings			341.94	5.37	0.00	347.31	78.06	11.29	0.00	89.35	263.89	257.96
3	Plant and Equipment					0.00					0.00		
	a) Plant and Machinery			4414.54	187.23	0.00	4601.78	2354.60	174.84	0.00	2529.43	2059.95	2072.34
	b) Lines and Cable Network			3985.86	203.38	0.00	4189.24	1981.72	154.03	0.00	2135.76	2004.14	2053.48
	c) Meters and Metering equipment			713.14	184.21	0.00	897.35	420.74	21.26	0.00	442.00	292.40	455.35
4	Office Equipment			18.79	1.22	0.00	20.01	8.95	8.09	0.00	17.04	9.83	2.96
5	Furniture and Fixture			6.28	0.00	0.00	6.28	4.65	0.11	0.00	4.76	1.63	1.52
6	Vehicles			2.73	0.00	0.00	2.73	2.45	0.00	0.00	2.45	0.27	0.27
7	Computers and IT Equipment			82.65	11.48	0.00	94.13	63.53	0.00	0.00	63.53	19.12	30.60
8	Intangible Assets			34.93	0.00	0.00	34.93	26.66	3.18	0.00	29.83	8.27	5.09
	Total			9602.59	596.53	0.00	10199.12	4941.35	372.80	0.00	5314.15	4661.24	4884.97

Year (n+1)													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets				Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Free Hold Land			5.38	11.21	0.00	16.59	0.00	0.02	0.00	0.02	5.38	16.58
2	Buildings			347.31	16.57	0.00	363.88	89.35	11.31	0.00	100.66	257.96	263.22
3	Plant and Equipment			0.00			0.00	0.00			0.00		
	a) Plant and Machinery			4601.78	578.02	0.00	5179.80	2529.43	212.40	0.00	2741.83	2072.34	2437.97
	b) Lines and Cable Network			4189.24	627.87	0.00	4817.11	2135.76	121.91	0.00	2257.67	2053.48	2559.45
	c) Meters and Metering equipment			897.35	568.69	0.00	1466.04	442.00	67.75	0.00	509.75	455.35	956.29
4	Office Equipment			20.01	3.76	0.00	23.77	17.04	8.40	0.00	25.45	2.96	-1.68
5	Furniture and Fixture			6.28	0.00	0.00	6.28	4.76	0.15	0.00	4.90	1.52	1.37
6	Vehicles			2.73	0.00	0.00	2.73	2.45	0.00	0.00	2.45	0.27	0.27
7	Computers and IT Equipment			94.13	35.45	0.00	129.58	63.53	0.00	0.00	63.53	30.60	66.06
8	Intangible Assets			34.93	0.00	0.00	34.93	29.83	8.29	0.00	38.12	5.09	-3.20
	Total			10199.12	1841.58	0.00	12040.71	5314.15	430.23	0.00	5744.37	4884.97	6296.33

Northern Power Distribution Company of Telangana Limited
Form 17: Fixed Assets & Depreciation

Year (n+2)													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets				Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Free Hold Land			16.59	12.32	0.00	28.91	0.02	0.02	0.00	0.03	16.58	28.88
2	Buildings			363.88	18.20	0.00	382.08	100.66	10.14	0.00	110.80	263.22	271.28
3	Plant and Equipment			0.00		0.00	0.00	0.00		0.00	0.00		
	a) Plant and Machinery			5179.80	635.03	0.00	5814.83	2741.83	224.55	0.00	2966.39	2437.97	2848.45
	b) Lines and Cable Network			4817.11	689.80	0.00	5506.91	2257.67	150.68	0.00	2408.34	2559.45	3098.57
	c) Meters and Metering equipment			1466.04	624.79	0.00	2090.83	509.75	114.05	0.00	623.80	956.29	1467.03
4	Office Equipment			23.77	4.14	0.00	27.90	25.45	5.73	0.00	31.18	-1.68	-3.27
5	Furniture and Fixture			6.28	0.00	0.00	6.28	4.90	0.15	0.00	5.05	1.37	1.23
6	Vehicles			2.73	0.00	0.00	2.73	2.45	0.00	0.00	2.45	0.27	0.27
7	Computers and IT Equipment			129.58	38.95	0.00	168.53	63.53	0.00	0.00	63.53	66.06	105.00
8	Intangible Assets			34.93	0.00	0.00	34.93	38.12	8.39	0.00	46.51	-3.20	-11.58
	Total			12040.71	2023.22	0.00	14063.93	5744.37	513.70	0.00	6258.08	6296.33	7805.85

Year (n+3)													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets				Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Free Hold Land			28.91	15.87	0.00	44.79	0.03	0.02	0.00	0.05	28.88	44.74
2	Buildings			382.08	23.45	0.00	405.53	110.80	10.31	0.00	121.11	271.28	284.42
3	Plant and Equipment			0.00		0.00	0.00	0.00		0.00	0.00		
	a) Plant and Machinery			5814.83	818.36	0.00	6633.19	2966.39	260.53	0.00	3226.91	2848.45	3406.28
	b) Lines and Cable Network			5506.91	888.94	0.00	6395.85	2408.34	179.74	0.00	2588.09	3098.57	3807.76
	c) Meters and Metering equipment			2090.83	805.15	0.00	2895.98	623.80	175.45	0.00	799.24	1467.03	2096.73
4	Office Equipment			27.90	5.33	0.00	33.23	31.18	3.80	0.00	34.98	-3.27	-1.75
5	Furniture and Fixture			6.28	0.00	0.00	6.28	5.05	0.14	0.00	5.19	1.23	1.09
6	Vehicles			2.73	0.00	0.00	2.73	2.45	0.00	0.00	2.45	0.27	0.27
7	Computers and IT Equipment			168.53	50.19	0.00	218.72	63.53	0.00	0.00	63.53	105.00	155.20
8	Intangible Assets			34.93	0.00	0.00	34.93	46.51	15.11	0.00	61.62	-11.58	-26.69
	Total			14063.93	2607.30	0.00	16671.23	6258.08	645.10	0.00	6903.18	7805.85	9768.05

Northern Power Distribution Company of Telangana Limited
Form 17: Fixed Assets & Depreciation

Year (n+4)													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets				Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Free Hold Land			44.79	16.91	0.00	61.70	0.05	0.02	0.00	0.06	44.74	61.64
2	Buildings			405.53	24.99	0.00	430.52	121.11	10.70	0.00	131.82	284.42	298.70
3	Plant and Equipment			0.00		0.00	0.00	0.00		0.00	0.00		
	a) Plant and Machinery			6633.19	871.83	0.00	7505.02	3226.91	291.13	0.00	3518.04	3406.28	3986.97
	b) Lines and Cable Network			6395.85	947.02	0.00	7342.87	2588.09	215.24	0.00	2803.33	3807.76	4539.54
	c) Meters and Metering equipment			2895.98	857.76	0.00	3753.74	799.24	246.64	0.00	1045.88	2096.73	2707.85
4	Office Equipment			33.23	5.68	0.00	38.91	34.98	0.00	0.00	34.98	-1.75	3.93
5	Furniture and Fixture			6.28	0.00	0.00	6.28	5.19	0.14	0.00	5.33	1.09	0.95
6	Vehicles			2.73	0.00	0.00	2.73	2.45	0.00	0.00	2.45	0.27	0.27
7	Computers and IT Equipment			218.72	53.47	0.00	272.20	63.53	3.76	0.00	67.29	155.20	204.91
8	Intangible Assets			34.93	0.00	0.00	34.93	61.62	22.70	0.00	84.32	-26.69	-49.40
	Total			16671.23	2777.65	0.00	19448.88	6903.18	790.33	0.00	7693.51	9768.05	11755.37

Year (n+5)													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets				Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Free Hold Land			61.70	17.55	0.00	79.25	0.06	0.02	0.00	0.08	61.64	79.17
2	Buildings			430.52	25.93	0.00	456.45	131.82	11.05	0.00	142.86	298.70	313.59
3	Plant and Equipment			0.00		0.00	0.00	0.00		0.00	0.00		
	a) Plant and Machinery			7505.02	904.62	0.00	8409.64	3518.04	333.48	0.00	3851.53	3986.97	4558.11
	b) Lines and Cable Network			7342.87	982.63	0.00	8325.51	2803.33	251.93	0.00	3055.26	4539.54	5270.25
	c) Meters and Metering equipment			3753.74	890.02	0.00	4643.75	1045.88	325.44	0.00	1371.32	2707.85	3272.43
4	Office Equipment			38.91	5.89	0.00	44.80	34.98	2.70	0.00	37.68	3.93	7.12
5	Furniture and Fixture			6.28	0.00	0.00	6.28	5.33	0.10	0.00	5.43	0.95	0.84
6	Vehicles			2.73	0.00	0.00	2.73	2.45	0.00	0.00	2.45	0.27	0.27
7	Computers and IT Equipment			272.20	55.48	0.00	327.68	67.29	0.00	0.00	67.29	204.91	260.39
8	Intangible Assets			34.93	0.00	0.00	34.93	84.32	30.87	0.00	115.20	-49.40	-80.27
	Total			19448.88	2882.12	0.00	22331.00	7693.51	955.59	0.00	8649.10	11755.37	13681.90

Northern Power Distribution Company of Telangana Limited
Form 17: Fixed Assets & Depreciation

A) Distribution Wire Business

(Rs. Crore)

Year (n-1)													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets				Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Free Hold Land			1.57	0.00	0.00	1.57	0.00	0.00	0.00	0.00	1.57	1.57
2	Buildings			293.91	13.85	0.00	307.75	60.39	9.87	0.00	70.25	233.52	237.50
3	Plant and Equipment												
	a) Plant and Machinery			3784.87	190.43	2.22	3973.09	1971.56	149.19	1.62	2119.14	1813.31	1853.95
	b) Lines and Cable Network			3331.98	255.61	0.32	3587.27	1658.05	125.53	0.03	1783.55	1673.92	1803.72
	c) Meters and Metering equipment			612.84	38.97	9.99	641.82	367.37	19.31	8.01	378.66	245.48	263.16
4	Office Equipment			16.13	1.75	0.00	17.87	7.88	0.91	0.00	8.79	8.25	9.09
5	Furniture and Fixture			4.61	0.07	0.00	4.68	3.37	0.09	0.00	3.46	1.24	1.23
6	Vehicles			2.52	0.00	0.07	2.45	2.25	0.02	0.06	2.21	0.28	0.25
7	Computers and IT Equipment			70.01	4.39	0.01	74.38	50.28	6.91	0.01	57.17	19.73	17.21
8	Intangible Assets			30.82	0.61	0.00	31.44	21.82	2.17	0.00	23.99	9.01	7.44
	Total			8149.27	505.68	12.61	8642.33	4142.96	314.00	9.74	4447.22	4006.31	4195.12

Base Year 'n'													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets				Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Free Hold Land			1.57	3.27	0.00	4.84	0.00	0.00	0.00	0.00	1.57	4.84
2	Buildings			307.75	4.83	0.00	312.58	70.25	10.16	0.00	80.41	237.50	232.17
3	Plant and Equipment												
	a) Plant and Machinery			3973.09	168.51	0.00	4141.60	2119.14	157.35	0.00	2276.49	1853.95	1865.11
	b) Lines and Cable Network			3587.27	183.04	0.00	3770.32	1783.55	138.63	0.00	1922.18	1803.72	1848.13
	c) Meters and Metering equipment			641.82	165.79	0.00	807.61	378.66	19.14	0.00	397.80	263.16	409.81
4	Office Equipment			16.91	1.10	0.00	18.00	8.06	7.28	0.00	15.34	8.85	2.67
5	Furniture and Fixture			5.65	0.00	0.00	5.65	4.19	0.09	0.00	4.28	1.46	1.37
6	Vehicles			2.45	0.00	0.00	2.45	2.21	0.00	0.00	2.21	0.25	0.25
7	Computers and IT Equipment			74.38	10.34	0.00	84.72	57.17	0.00	0.00	57.17	17.21	27.54
8	Intangible Assets			31.44	0.00	0.00	31.44	23.99	2.86	0.00	26.85	7.44	4.59
	Total			8642.33	536.87	0.00	9179.21	4447.22	335.52	0.00	4782.73	4195.12	4396.48

Northern Power Distribution Company of Telangana Limited
Form 17: Fixed Assets & Depreciation

Year (n+1)													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets				Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Free Hold Land			4.84	10.09	0.00	14.93	0.00	0.01	0.00	0.01	4.84	14.92
2	Buildings			312.58	14.91	0.00	327.49	80.41	10.18	0.00	90.59	232.17	236.90
3	Plant and Equipment												
	a) Plant and Machinery			4141.60	520.22	0.00	4661.82	2276.49	191.16	0.00	2467.65	1865.11	2194.17
	b) Lines and Cable Network			3770.32	565.09	0.00	4335.40	1922.18	109.72	0.00	2031.90	1848.13	2303.50
	c) Meters and Metering equipment			807.61	511.82	0.00	1319.44	397.80	60.98	0.00	458.78	409.81	860.66
4	Office Equipment			18.00	3.39	0.00	21.39	15.34	7.56	0.00	22.90	2.67	-1.51
5	Furniture and Fixture			5.65	0.00	0.00	5.65	4.28	0.13	0.00	4.41	1.37	1.24
6	Vehicles			2.45	0.00	0.00	2.45	2.21	0.00	0.00	2.21	0.25	0.25
7	Computers and IT Equipment			84.72	31.91	0.00	116.63	57.17	0.00	0.00	57.17	27.54	59.45
8	Intangible Assets			31.44	0.00	0.00	31.44	26.85	7.46	0.00	34.31	4.59	-2.88
	Total			9179.21	1657.43	0.00	10836.63	4782.73	387.20	0.00	5169.94	4396.48	5666.70

Year (n+2)													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets				Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Free Hold Land			14.93	11.09	0.00	26.02	0.01	0.01	0.00	0.03	14.92	25.99
2	Buildings			327.49	16.38	0.00	343.87	90.59	9.13	0.00	99.72	236.90	244.15
3	Plant and Equipment												
	a) Plant and Machinery			4661.82	571.53	0.00	5233.35	2467.65	202.10	0.00	2669.75	2194.17	2563.60
	b) Lines and Cable Network			4335.40	620.82	0.00	4956.22	2031.90	135.61	0.00	2167.51	2303.50	2788.71
	c) Meters and Metering equipment			1319.44	562.31	0.00	1881.74	458.78	102.64	0.00	561.42	860.66	1320.33
4	Office Equipment			21.39	3.72	0.00	25.11	22.90	5.16	0.00	28.06	-1.51	-2.95
5	Furniture and Fixture			5.65	0.00	0.00	5.65	4.41	0.13	0.00	4.55	1.24	1.10
6	Vehicles			2.45	0.00	0.00	2.45	2.21	0.00	0.00	2.21	0.25	0.25
7	Computers and IT Equipment			116.63	35.05	0.00	151.68	57.17	0.00	0.00	57.17	59.45	94.50
8	Intangible Assets			31.44	0.00	0.00	31.44	34.31	7.55	0.00	41.86	-2.88	-10.42
	Total			10836.63	1820.90	0.00	12657.54	5169.94	462.33	0.00	5632.27	5666.70	7025.27

Northern Power Distribution Company of Telangana Limited
Form 17: Fixed Assets & Depreciation

Year (n+3)													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets				Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Free Hold Land			26.02	14.29	0.00	40.31	0.03	0.01	0.00	0.04	25.99	40.27
2	Buildings			343.87	21.11	0.00	364.98	99.72	9.28	0.00	109.00	244.15	255.98
3	Plant and Equipment												
	a) Plant and Machinery			5233.35	736.52	0.00	5969.87	2669.75	234.47	0.00	2904.22	2563.60	3065.65
	b) Lines and Cable Network			4956.22	800.04	0.00	5756.27	2167.51	161.77	0.00	2329.28	2788.71	3426.99
	c) Meters and Metering equipment			1881.74	724.64	0.00	2606.38	561.42	157.90	0.00	719.32	1320.33	1887.06
4	Office Equipment			25.11	4.80	0.00	29.91	28.06	3.42	0.00	31.48	-2.95	-1.57
5	Furniture and Fixture			5.65	0.00	0.00	5.65	4.55	0.13	0.00	4.67	1.10	0.98
6	Vehicles			2.45	0.00	0.00	2.45	2.21	0.00	0.00	2.21	0.25	0.25
7	Computers and IT Equipment			151.68	45.17	0.00	196.85	57.17	0.00	0.00	57.17	94.50	139.68
8	Intangible Assets			31.44	0.00	0.00	31.44	41.86	13.60	0.00	55.46	-10.42	-24.02
	Total			12657.54	2346.57	0.00	15004.11	5632.27	580.59	0.00	6212.86	7025.27	8791.25

Year (n+4)													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets				Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Free Hold Land			40.31	15.22	0.00	55.53	0.04	0.01	0.00	0.06	40.27	55.47
2	Buildings			364.98	22.49	0.00	387.47	109.00	9.63	0.00	118.63	255.98	268.83
3	Plant and Equipment												
	a) Plant and Machinery			5969.87	784.65	0.00	6754.52	2904.22	262.02	0.00	3166.24	3065.65	3588.28
	b) Lines and Cable Network			5756.27	852.32	0.00	6608.58	2329.28	193.71	0.00	2522.99	3426.99	4085.59
	c) Meters and Metering equipment			2606.38	771.98	0.00	3378.36	719.32	221.97	0.00	941.29	1887.06	2437.07
4	Office Equipment			29.91	5.11	0.00	35.02	31.48	0.00	0.00	31.48	-1.57	3.54
5	Furniture and Fixture			5.65	0.00	0.00	5.65	4.67	0.13	0.00	4.80	0.98	0.85
6	Vehicles			2.45	0.00	0.00	2.45	2.21	0.00	0.00	2.21	0.25	0.25
7	Computers and IT Equipment			196.85	48.12	0.00	244.98	57.17	3.39	0.00	60.56	139.68	184.42
8	Intangible Assets			31.44	0.00	0.00	31.44	55.46	20.43	0.00	75.89	-24.02	-44.46
	Total			15004.11	2499.89	0.00	17503.99	6212.86	711.30	0.00	6924.16	8791.25	10579.83

Northern Power Distribution Company of Telangana Limited
Form 17: Fixed Assets & Depreciation

Year (n+5)													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets				Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Free Hold Land			55.53	15.79	0.00	71.32	0.06	0.01	0.00	0.07	55.47	71.25
2	Buildings			387.47	23.33	0.00	410.80	118.63	9.94	0.00	128.58	268.83	282.23
3	Plant and Equipment												
	a) Plant and Machinery			6754.52	814.16	0.00	7568.67	3166.24	300.13	0.00	3466.37	3588.28	4102.30
	b) Lines and Cable Network			6608.58	884.37	0.00	7492.96	2522.99	226.74	0.00	2749.73	4085.59	4743.22
	c) Meters and Metering equipment			3378.36	801.02	0.00	4179.38	941.29	292.90	0.00	1234.19	2437.07	2945.19
4	Office Equipment			35.02	5.30	0.00	40.32	31.48	2.43	0.00	33.91	3.54	6.41
5	Furniture and Fixture			5.65	0.00	0.00	5.65	4.80	0.09	0.00	4.89	0.85	0.76
6	Vehicles			2.45	0.00	0.00	2.45	2.21	0.00	0.00	2.21	0.25	0.25
7	Computers and IT Equipment			244.98	49.93	0.00	294.91	60.56	0.00	0.00	60.56	184.42	234.35
8	Intangible Assets			31.44	0.00	0.00	31.44	75.89	27.79	0.00	103.68	-44.46	-72.24
	Total			17503.99	2593.91	0.00	20097.90	6924.16	860.03	0.00	7784.19	10579.83	12313.71

A) Retail Supply Business

(Rs. Crore)

Year (n-1)													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets				Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Free Hold Land			0.17	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.17	0.17
2	Buildings			32.66	1.54	0.00	34.19	6.71	1.10	0.00	7.81	25.95	26.39
3	Plant and Equipment												
	a) Plant and Machinery			420.54	21.16	0.25	441.45	219.06	16.58	0.18	235.46	201.48	205.99
	b) Lines and Cable Network			370.22	28.40	0.04	398.59	184.23	13.95	0.00	198.17	185.99	200.41
	c) Meters and Metering equipment			68.09	4.33	1.11	71.31	40.82	2.15	0.89	42.07	27.28	29.24
4	Office Equipment			1.79	0.19	0.00	1.99	0.88	0.10	0.00	0.98	0.92	1.01
5	Furniture and Fixture			0.51	0.01	0.00	0.52	0.37	0.01	0.00	0.38	0.14	0.14
6	Vehicles			0.28	0.00	0.01	0.27	0.25	0.00	0.01	0.25	0.03	0.03
7	Computers and IT Equipment			7.78	0.49	0.00	8.26	5.59	0.77	0.00	6.35	2.19	1.91
8	Intangible Assets			3.42	0.07	0.00	3.49	2.42	0.24	0.00	2.67	1.00	0.83
	Total			905.47	56.19	1.40	960.26	460.33	34.89	1.08	494.14	445.15	466.12

Northern Power Distribution Company of Telangana Limited
Form 17: Fixed Assets & Depreciation

Base Year 'n'													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets				Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Free Hold Land			0.17	0.36	0.00	0.54	0.00	0.00	0.00	0.00	0.17	0.54
2	Buildings			34.19	0.54	0.00	34.73	7.81	1.13	0.00	8.93	26.39	25.80
3	Plant and Equipment												
	a) Plant and Machinery			441.45	18.72	0.00	460.18	235.46	17.48	0.00	252.94	205.99	207.23
	b) Lines and Cable Network			398.59	20.34	0.00	418.92	198.17	15.40	0.00	213.58	200.41	205.35
	c) Meters and Metering equipment			71.31	18.42	0.00	89.73	42.07	2.13	0.00	44.20	29.24	45.53
4	Office Equipment			1.88	0.12	0.00	2.00	0.90	0.81	0.00	1.70	0.98	0.30
5	Furniture and Fixture			0.63	0.00	0.00	0.63	0.47	0.01	0.00	0.48	0.16	0.15
6	Vehicles			0.27	0.00	0.00	0.27	0.25	0.00	0.00	0.25	0.03	0.03
7	Computers and IT Equipment			8.26	1.15	0.00	9.41	6.35	0.00	0.00	6.35	1.91	3.06
8	Intangible Assets			3.49	0.00	0.00	3.49	2.67	0.32	0.00	2.98	0.83	0.51
	Total			960.26	59.65	0.00	1019.91	494.14	37.28	0.00	531.41	466.12	488.50

Year (n+1)													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets				Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Free Hold Land			0.54	1.12	0.00	1.66	0.00	0.00	0.00	0.00	0.54	1.66
2	Buildings			34.73	1.66	0.00	36.39	8.93	1.13	0.00	10.07	25.80	26.32
3	Plant and Equipment												
	a) Plant and Machinery			460.18	57.80	0.00	517.98	252.94	21.24	0.00	274.18	207.23	243.80
	b) Lines and Cable Network			418.92	62.79	0.00	481.71	213.58	12.19	0.00	225.77	205.35	255.94
	c) Meters and Metering equipment			89.73	56.87	0.00	146.60	44.20	6.78	0.00	50.98	45.53	95.63
4	Office Equipment			2.00	0.38	0.00	2.38	1.70	0.84	0.00	2.54	0.30	-0.17
5	Furniture and Fixture			0.63	0.00	0.00	0.63	0.48	0.01	0.00	0.49	0.15	0.14
6	Vehicles			0.27	0.00	0.00	0.27	0.25	0.00	0.00	0.25	0.03	0.03
7	Computers and IT Equipment			9.41	3.55	0.00	12.96	6.35	0.00	0.00	6.35	3.06	6.61
8	Intangible Assets			3.49	0.00	0.00	3.49	2.98	0.83	0.00	3.81	0.51	-0.32
	Total			1019.91	184.16	0.00	1204.07	531.41	43.02	0.00	574.44	488.50	629.63

Northern Power Distribution Company of Telangana Limited
Form 17: Fixed Assets & Depreciation

Year (n+2)													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets				Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Free Hold Land			1.66	1.23	0.00	2.89	0.00	0.00	0.00	0.00	1.66	2.89
2	Buildings			36.39	1.82	0.00	38.21	10.07	1.01	0.00	11.08	26.32	27.13
3	Plant and Equipment												
	a) Plant and Machinery			517.98	63.50	0.00	581.48	274.18	22.46	0.00	296.64	243.80	284.84
	b) Lines and Cable Network			481.71	68.98	0.00	550.69	225.77	15.07	0.00	240.83	255.94	309.86
	c) Meters and Metering equipment			146.60	62.48	0.00	209.08	50.98	11.40	0.00	62.38	95.63	146.70
4	Office Equipment			2.38	0.41	0.00	2.79	2.54	0.57	0.00	3.12	-0.17	-0.33
5	Furniture and Fixture			0.63	0.00	0.00	0.63	0.49	0.01	0.00	0.51	0.14	0.12
6	Vehicles			0.27	0.00	0.00	0.27	0.25	0.00	0.00	0.25	0.03	0.03
7	Computers and IT Equipment			12.96	3.89	0.00	16.85	6.35	0.00	0.00	6.35	6.61	10.50
8	Intangible Assets			3.49	0.00	0.00	3.49	3.81	0.84	0.00	4.65	-0.32	-1.16
	Total			1204.07	202.32	0.00	1406.39	574.44	51.37	0.00	625.81	629.63	780.59

Year (n+3)													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets				Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Free Hold Land			2.89	1.59	0.00	4.48	0.00	0.00	0.00	0.00	2.89	4.47
2	Buildings			38.21	2.35	0.00	40.55	11.08	1.03	0.00	12.11	27.13	28.44
3	Plant and Equipment												
	a) Plant and Machinery			581.48	81.84	0.00	663.32	296.64	26.05	0.00	322.69	284.84	340.63
	b) Lines and Cable Network			550.69	88.89	0.00	639.59	240.83	17.97	0.00	258.81	309.86	380.78
	c) Meters and Metering equipment			209.08	80.52	0.00	289.60	62.38	17.54	0.00	79.92	146.70	209.67
4	Office Equipment			2.79	0.53	0.00	3.32	3.12	0.38	0.00	3.50	-0.33	-0.17
5	Furniture and Fixture			0.63	0.00	0.00	0.63	0.51	0.01	0.00	0.52	0.12	0.11
6	Vehicles			0.27	0.00	0.00	0.27	0.25	0.00	0.00	0.25	0.03	0.03
7	Computers and IT Equipment			16.85	5.02	0.00	21.87	6.35	0.00	0.00	6.35	10.50	15.52
8	Intangible Assets			3.49	0.00	0.00	3.49	4.65	1.51	0.00	6.16	-1.16	-2.67
	Total			1406.39	260.73	0.00	1667.12	625.81	64.51	0.00	690.32	780.59	976.81

Northern Power Distribution Company of Telangana Limited
Form 17: Fixed Assets & Depreciation

Year (n+4)													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets				Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Free Hold Land			4.48	1.69	0.00	6.17	0.00	0.00	0.00	0.01	4.47	6.16
2	Buildings			40.55	2.50	0.00	43.05	12.11	1.07	0.00	13.18	28.44	29.87
3	Plant and Equipment												
	a) Plant and Machinery			663.32	87.18	0.00	750.50	322.69	29.11	0.00	351.80	340.63	398.70
	b) Lines and Cable Network			639.59	94.70	0.00	734.29	258.81	21.52	0.00	280.33	380.78	453.95
	c) Meters and Metering equipment			289.60	85.78	0.00	375.37	79.92	24.66	0.00	104.59	209.67	270.79
4	Office Equipment			3.32	0.57	0.00	3.89	3.50	0.00	0.00	3.50	-0.17	0.39
5	Furniture and Fixture			0.63	0.00	0.00	0.63	0.52	0.01	0.00	0.53	0.11	0.09
6	Vehicles			0.27	0.00	0.00	0.27	0.25	0.00	0.00	0.25	0.03	0.03
7	Computers and IT Equipment			21.87	5.35	0.00	27.22	6.35	0.38	0.00	6.73	15.52	20.49
8	Intangible Assets			3.49	0.00	0.00	3.49	6.16	2.27	0.00	8.43	-2.67	-4.94
	Total			1667.12	277.77	0.00	1944.89	690.32	79.03	0.00	769.35	976.81	1175.54

Year (n+5)													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets				Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Free Hold Land			6.17	1.75	0.00	7.92	0.01	0.00	0.00	0.01	6.16	7.92
2	Buildings			43.05	2.59	0.00	45.64	13.18	1.10	0.00	14.29	29.87	31.36
3	Plant and Equipment												
	a) Plant and Machinery			750.50	90.46	0.00	840.96	351.80	33.35	0.00	385.15	398.70	455.81
	b) Lines and Cable Network			734.29	98.26	0.00	832.55	280.33	25.19	0.00	305.53	453.95	527.02
	c) Meters and Metering equipment			375.37	89.00	0.00	464.38	104.59	32.54	0.00	137.13	270.79	327.24
4	Office Equipment			3.89	0.59	0.00	4.48	3.50	0.27	0.00	3.77	0.39	0.71
5	Furniture and Fixture			0.63	0.00	0.00	0.63	0.53	0.01	0.00	0.54	0.09	0.08
6	Vehicles			0.27	0.00	0.00	0.27	0.25	0.00	0.00	0.25	0.03	0.03
7	Computers and IT Equipment			27.22	5.55	0.00	32.77	6.73	0.00	0.00	6.73	20.49	26.04
8	Intangible Assets			3.49	0.00	0.00	3.49	8.43	3.09	0.00	11.52	-4.94	-8.03
	Total			1944.89	288.21	0.00	2233.10	769.35	95.56	0.00	864.91	1175.54	1368.19

Northern Power Distribution Company of Telangana Limited
Form 18: Interest and finance charges on loan

Distribution Wire Business + Retail Supply Business

A. Normative Loan

(Rs. Crore)

S. No.	Particulars	Year (n-1)			Base Year 'n'				Control Period				
		MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr-Sep	Oct-Mar	Apr - Mar	n+1	n+2	n+3	n+4	n+5
		Approved	Audited	Claimed	Approved	Actual	Estimated	Estimated	Projected	Projected	Projected	Projected	Projected
1	Opening Balance of Gross Normative Loan							0	0	0	0	0	0
2	Cumulative Repayment till the year							0	0	0	0	0	0
3	Opening Balance of Net Normative Loan							2,848	2,869	3,737	4,643	5,849	7,029
4	Less: Reduction of Normative Loan due to retirement or replacement of assets							0	0	0	0	0	0
5	Addition of Normative Loan due to capitalisation during the year							357	1,253	1,381	1,811	1,930	1,999
6	Repayment of Normative loan during the year							373	430	514	645	790	956
7	Closing Balance of Net Normative Loan							2,869	3,737	4,643	5,849	7,029	8,132
8	Closing Balance of Gross Normative Loan							0	0	0	0	0	0
9	Average Balance of Net Normative Loan							2,859	3,303	4,190	5,246	6,439	7,580
10	Weighted average Rate of Interest on actual Loans (%)							10.74%	10.75%	10.75%	10.69%	10.64%	10.57%
11	Interest							307	355	451	561	685	802
12	Finance charges							0	0	0	0	0	0
13	Total Interest & Finance charges							307	355	451	561	685	802

Northern Power Distribution Company of Telangana Limited
Form 18: Interest and finance charges on loan

B. Actual loan portfolio

(Rs. Crore)

S. No.	Particulars	Year (n-1)		Base Year 'n'		Control Period				
		Apr-Mar	Apr-Sep	Oct-Mar	Apr - Mar	n+1	n+2	n+3	n+4	n+5
		Audited	Actual	Estimated	Estimated	Projected	Projected	Projected	Projected	Projected
1	Capex Loans									
	Opening Balance of Loan	2,009.86	2,188.82	2,311.22	2,188.82	2,294.68	2,063.24	1,831.80	1,600.36	1,368.92
	Addition of Loan during the year	428.12	229.83	128.07	357.90	0.00	0.00	0.00	0.00	0.00
	Loan Repayment during the year	249.16	107.43	144.61	252.04	231.44	231.44	231.44	231.44	231.44
	Closing Balance of Loan	2,188.82	2,311.22	2,294.68	2,294.68	2,063.24	1,831.80	1,600.36	1,368.92	1,137.48
	Average Loan Balance	2,099.34	2,250.02	2,302.95	2,241.75	2,178.96	1,947.52	1,716.08	1,484.64	1,253.20
	Applicable Interest Rate (%)	0.08	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.09
	Interest	157.74	203.37	229.63	215.47	217.82	192.28	166.74	141.20	115.66
	Finance charges									
	Total Interest & Finance charges	157.74	203.37	229.63	215.47	217.82	192.28	166.74	141.20	115.66
2	Other than Capex loans									
	Opening Balance of Loan	8,327.62	10,307.87	10,692.43	10,307.87	16,087.95	15,477.27	14,164.27	12,981.05	11,320.25
	Addition of Loan during the year	2,964.60	4,278.62	4,139.92	7,418.54	546.42	546.42	0.00	0.00	0.00
	Loan Repayment during the year	984.35	508.73	1,402.11	1,910.84	1,311.76	1,313.00	1,183.22	2,660.80	4,057.24
	Closing Balance of Loan	10,307.87	14,077.76	13,430.24	15,815.57	15,322.61	14,710.69	12,981.05	10,320.25	7,263.01
	Average Loan Balance	9,317.75	12,192.82	12,061.34	13,061.72	15,705.28	15,093.98	13,572.66	11,650.65	9,291.63
	Applicable Interest Rate (%)	0.08	0.09	0.10	0.09	0.10	0.10	0.10	0.10	0.10
	Interest	754.53	1,093.04	1,200.80	1,146.92	1,552.11	1,491.74	1,339.94	1,150.75	916.02
	Finance charges									
	Total Interest & Finance charges	754.53	1,093.04	1,200.80	1,146.92	1,552.11	1,491.74	1,339.94	1,150.75	916.02
									
	Total									
	Opening Balance of Loan	10,337.48	12,496.69	13,003.65	12,496.69	18,382.63	17,540.51	15,996.07	14,581.41	12,689.17
	Addition of Loan during the year	3,392.72	4,508.45	4,267.99	7,776.44	546.42	546.42	0.00	0.00	0.00
	Loan Repayment during the year	1,233.51	616.16	1,546.72	2,162.88	1,543.20	1,544.44	1,414.66	2,892.24	4,288.68
	Closing Balance of Loan	12,496.69	16,388.98	15,724.92	18,110.25	17,385.85	16,542.49	14,581.41	11,689.17	8,400.49
	Average Loan Balance	11,417.09	14,442.84	14,364.29	15,303.47	17,884.24	17,041.50	15,288.74	13,135.29	10,544.83
	Applicable Interest Rate (%)									
	Interest	912.27	1,296.41	1,430.43	1,362.39	1,769.93	1,684.01	1,506.68	1,291.94	1,031.68
	Finance charges									
	Total Interest & Finance charges	912.27	1,296.41	1,430.43	1,362.39	1,769.93	1,684.01	1,506.68	1,291.94	1,031.68

Northern Power Distribution Company of Telangana Limited
Form 18: Interest and finance charges on loan

Distribution Wire Business
A. Normative Loan

(Rs. Crore)

S. No.	Particulars	Year (n-1)			Base Year 'n'				Control Period				
		MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr-Sep	Oct-Mar	Apr - Mar	n+1	n+2	n+3	n+4	n+5
		Approved	Audited	Claimed	Approved	Actual	Estimated	Estimated	Projected	Projected	Projected	Projected	Projected
1	Opening Balance of Gross Normative Loan												
2	Cumulative Repayment till the year												
3	Opening Balance of Net Normative Loan							2188.82	3271.92	3796.59	4415.21	5131.52	5931.34
4	Less: Reduction of Normative Loan due to retirement or replacement of assets							0.00					
5	Addition of Normative Loan due to capitalisation during the year							1457.25	930.98	1071.88	1237.27	1385.17	1586.69
6	Repayment of Normative loan during the year							374.15	406.30	453.27	520.96	585.35	669.90
7	Closing Balance of Net Normative Loan							3271.92	3796.59	4415.21	5131.52	5931.34	6848.13
8	Closing Balance of Gross Normative Loan												
9	Average Balance of Net Normative Loan							2730.37	3534.26	4105.90	4773.36	5531.43	6389.74
10	Weighted average Rate of Interest on actual Loans (%)							0.10	0.10	0.10	0.10	0.10	0.10
11	Interest							274.68	355.55	413.06	480.21	556.47	642.82
12	Finance charges							0.00					
13	Total Interest & Finance charges							433.01	355.55	413.06	480.21	556.47	642.82

Northern Power Distribution Company of Telangana Limited
Form 18: Interest and finance charges on loan

B. Actual loan portfolio

(Rs. Crore)

S. No.	Particulars	Year (n-1)	Base Year 'n'				Control Period				
		Apr-Mar	Apr-Sep	Oct-Mar	Apr - Mar	n+1	n+2	n+3	n+4	n+5	
		Audited	Actual	Estimated	Estimated	Projected	Projected	Projected	Projected	Projected	
1	REC										
	Opening Balance of Loan	1504.86	1725.96	1854.98	1725.96	1879.79	1673.27	1466.75	1260.23	1053.71	
	Addition of Loan during the year	428.12	229.83	128.07	357.90	0.00	0.00	0.00	0.00	0.00	
	Loan Repayment during the year	207.02	100.81	103.26	204.07	206.52	206.52	206.52	206.52	206.52	
	Closing Balance of Loan	1725.96	1854.98	1879.79	1879.79	1673.27	1466.75	1260.23	1053.71	847.19	
	Average Loan Balance	1615.41	1790.47	1867.39	1802.88	1776.53	1570.01	1363.49	1156.97	950.45	
	Applicable Interest Rate (%)	11.61	11.61	11.61	11.61	11.61	11.61	11.61	11.61	11.61	
	Interest	125.79	93.87	108.40	202.27	206.26	182.28	158.30	134.32	110.35	
	Finance charges										
	Total Interest & Finance charges	125.79	93.87	108.40	202.27	206.26	182.28	158.30	134.32	110.35	
2	PFC-RAPDRP(GOI-CPL& IPDS)										
	Opening Balance of Loan	147.65	105.51	98.89	105.51	92.09	78.69	65.29	51.89	38.49	
	Addition of Loan during the year	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Loan Repayment during the year	42.14	6.62	6.80	13.42	13.40	13.40	13.40	13.40	13.40	
	Closing Balance of Loan	105.51	98.89	92.09	92.09	78.69	65.29	51.89	38.49	25.09	
	Average Loan Balance	126.58	102.20	95.49	98.80	85.39	71.99	58.59	45.19	31.79	
	Applicable Interest Rate (%)	11.10	11.10	11.10	11.10	11.10	11.10	11.10	11.10	11.10	
	Interest	29.04	6.69	5.30	10.97	9.48	7.99	6.50	5.02	3.53	
	Finance charges										
	Total Interest & Finance charges	29.04	6.69	5.30	10.97	9.48	7.99	6.50	5.02	3.53	
3	JICA										
	Opening Balance of Loan	351.28	351.28	351.28	351.28	316.73	305.21	293.69	282.17	270.65	
	Addition of Loan during the year	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Loan Repayment during the year	0.00	0.00	34.55	34.55	11.52	11.52	11.52	11.52	11.52	
	Closing Balance of Loan	351.28	351.28	316.73	316.73	305.21	293.69	282.17	270.65	259.13	
	Average Loan Balance	351.28	351.28	334.01	334.01	310.97	299.45	287.93	276.41	264.89	
	Applicable Interest Rate (%)	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	
	Interest	2.85	1.11	1.09	2.17	2.02	1.95	1.87	1.80	1.72	
	Finance charges										
	Total Interest & Finance charges	2.85	1.11	1.09	2.17	2.02	1.95	1.87	1.80	1.72	
4	Govt.Loans										
	Opening Balance of Loan	6.07	6.07	6.07	6.07	6.07	6.07	6.07	6.07	6.07	
	Addition of Loan during the year	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Loan Repayment during the year	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Closing Balance of Loan	6.07	6.07	6.07	6.07	6.07	6.07	6.07	6.07	6.07	
	Average Loan Balance	6.07	6.07	6.07	6.07	6.07	6.07	6.07	6.07	6.07	
	Applicable Interest Rate (%)	1	1	1	1	1	1	1	1	1	
	Interest	0.06	0.02	0.03	0.06	0.06	0.06	0.06	0.06	0.06	
	Finance charges										
	Total Interest & Finance charges	0.06	0.02	0.03	0.06	0.06	0.06	0.06	0.06	0.06	
	Total										
	Opening Balance of Loan	2009.86	2188.82	2311.22	2188.82	2294.68	2063.24	1831.80	1600.36	1368.92	
	Addition of Loan during the year	428.12	229.83	128.07	357.90	0.00	0.00	0.00	0.00	0.00	
	Loan Repayment during the year	249.16	107.43	144.61	252.04	231.44	231.44	231.44	231.44	231.44	
	Closing Balance of Loan	2188.82	2311.22	2294.68	2294.68	2063.24	1831.80	1600.36	1368.92	1137.48	
	Average Loan Balance	2099.34	2250.02	2302.95	2241.75	2178.96	1947.52	1716.08	1484.64	1253.20	
	Applicable Interest Rate (%)	7.51%	9.04%	9.97%	9.61%	10.00%	9.87%	9.72%	9.51%	9.23%	
	Interest	157.74	101.69	114.82	215.47	217.82	192.28	166.74	141.20	115.66	
	Finance charges										
	Total Interest & Finance charges	157.74	101.69	114.82	215.47	217.82	192.28	166.74	141.20	115.66	

Northern Power Distribution Company of Telangana Limited
Form 18: Interest and finance charges on loan

Retail Supply Business
A. Normative Loan

(Rs. Crore)

S. No.	Particulars	Year (n-1)			Base Year 'n'				Control Period				
		MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr-Sep	Oct-Mar	Apr - Mar	n+1	n+2	n+3	n+4	n+5
		Approved	Audited	Claimed	Approved	Actual	Estimated	Estimated	Projected	Projected	Projected	Projected	Projected
1	Opening Balance of Gross Normative Loan							0.00					
2	Cumulative Repayment till the year							0.00					
3	Opening Balance of Net Normative Loan							10307.87	16815.57	16050.23	15283.65	14100.43	11439.63
4	Less: Reduction of Normative Loan due to retirement or replacement of assets							0.00					
5	Addition of Normative Loan due to capitalisation during the year							8418.54	546.42	546.42	0.00	0.00	0.00
6	Repayment of Normative loan during the year							1910.84	1311.76	1313.00	1183.22	2660.80	4057.24
7	Closing Balance of Net Normative Loan							16815.57	16050.23	15283.65	14100.43	11439.63	7382.39
8	Closing Balance of Gross Normative Loan							0.00					
9	Average Balance of Net Normative Loan							13561.72	16432.90	15666.94	14692.04	12770.03	9411.01
10	Weighted average Rate of Interest on actual Loans (%)							0.09	0.10	0.10	0.10	0.10	0.10
11	Interest							1146.92	1624.02	1548.36	1450.45	1261.31	927.79
12	Finance charges							0.00					
13	Total Interest & Finance charges							1146.92	1624.02	1548.36	1450.45	1261.31	927.79

Northern Power Distribution Company of Telangana Limited
Form 18: Interest and finance charges on loan

B. Actual loan portfolio

(Rs. Crore)

S. No.	Particulars	Year (n-1)		Base Year 'n'		Control Period				
		Apr-Mar	Apr-Sep	Oct-Mar	Apr - Mar	n+1	n+2	n+3	n+4	n+5
		Audited	Actual	Estimated	Estimated	Projected	Projected	Projected	Projected	Projected
1	PTC FSL(20000350 & 634)									
	Opening Balance of Loan	54.8	247.8	247.8	247.8	218.22	161.22	104.22	47.22	11.72
	Addition of Loan during the year	200	0	0	0	0	0	0	0	0
	Loan Repayment during the year	7	7.67	21.91	29.58	57	57	57	35.5	7
	Closing Balance of Loan	247.80	240.13	225.89	218.22	161.22	104.22	47.22	11.72	4.72
	Average Loan Balance	151.30	243.97	236.85	233.01	189.72	132.72	75.72	29.47	8.22
	Applicable Interest Rate (%)	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75	11.75
	Interest	16.61	14.34	13.91	28.25	22.29	15.59	8.90	3.46	0.97
	Finance charges									
	Total Interest & Finance charges	16.61	14.34	13.91	28.25	22.29	15.59	8.90	3.46	0.97
2	IREDA(60, 91 & 95ST)									
	Opening Balance of Loan	1043.41	654.66	654.66	654.66	154.66	154.6599121	0	0	0
	Addition of Loan during the year	0	0	0	0	0	0	0	0	0
	Loan Repayment during the year	388.75	200	300	500	154.66	154.6599121	0	0	0
	Closing Balance of Loan	654.66	454.66	354.66	154.66	0.00	0.00	0.00	0.00	0.00
	Average Loan Balance	849.04	554.66	504.66	404.66	77.33	77.33	0.00	0.00	0.00
	Applicable Interest Rate (%)	12.02	12.02	12.02	12.02	12.02	12.02	12.02	12.02	12.02
	Interest	92.52	33.75	30.33	64.08	9.30	9.30	0.00	0.00	0.00
	Finance charges									
	Total Interest & Finance charges	92.52	33.75	30.33	64.08	9.30	9.30	0.00	0.00	0.00
3	REC-Covid(46715941)									
	Opening Balance of Loan	2727.5	2727.5	2727.5	2727.5	2500.21	2110.57	1720.93	1331.29	941.65
	Addition of Loan during the year	0	0	0	0	0	0	0	0	0
	Loan Repayment during the year	0	64.94	162.35	227.29	389.64	389.64	389.64	389.64	389.64
	Closing Balance of Loan	2727.50	2662.56	2565.15	2500.21	2110.57	1720.93	1331.29	941.65	552.01
	Average Loan Balance	2727.50	2695.03	2646.33	2613.86	2305.39	1915.75	1526.11	1136.47	746.83
	Applicable Interest Rate (%)	9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75
	Interest	230.16	130.42	129.01	259.43	224.78	186.79	148.80	110.81	72.82
	Finance charges									
	Total Interest & Finance charges	230.16	130.42	129.01	259.43	224.78	186.79	148.80	110.81	72.82
4	REC-LPS(46717181)									
	Opening Balance of Loan	0	637.05	1021.61	637.05	1506.63	1779.84	1643.03	1493.78	1344.53
	Addition of Loan during the year	637.05	384.56	485.02	869.58	273.21	273.2099609	0	0	0
	Loan Repayment during the year	0	0	0	0	0	136.81	149.25	149.25	149.25
	Closing Balance of Loan	637.05	1021.61	1506.63	1506.63	1779.84	1916.24	1493.78	1344.53	1195.28
	Average Loan Balance	318.53	829.33	1264.12	1071.84	1643.24	1848.04	1568.41	1419.16	1269.91
	Applicable Interest Rate (%)	10	10	10	10	10	10	10	10	10
	Interest	21.65	43.45	63.21	106.66	164.32	184.80	156.84	141.92	126.99
	Finance charges									
	Total Interest & Finance charges	21.65	43.45	63.21	106.66	164.32	184.80	156.84	141.92	126.99

Northern Power Distribution Company of Telangana Limited
Form 18: Interest and finance charges on loan

REC-LPS-RTL(46717771)									
Opening Balance of Loan	0	0	0	0	958.33	908.33	858.33	808.33	758.33
Addition of Loan during the year	0	500	500	1000	0	0	0	0	0
Loan Repayment during the year	0	12.5	29.17	41.67	50	50	50	50	50
Closing Balance of Loan	0.00	487.50	470.83	958.33	908.33	858.33	808.33	758.33	708.33
Average Loan Balance	0.00	243.75	235.42	479.17	933.33	883.33	833.33	783.33	733.33
Applicable Interest Rate (%)	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
Interest	0.00	14.08	11.18	25.26	88.67	83.92	79.17	74.42	69.67
Finance charges									
Total Interest & Finance charges	0.00	14.08	11.18	25.26	88.67	83.92	79.17	74.42	69.67
REC-RBPF(46717584)									
Opening Balance of Loan	0	490.5	490.5	490.5	4562	4562	4562	4562	4062
Addition of Loan during the year	490.5	2009.5	2062	4071.5	0	0	0	0	0
Loan Repayment during the year	0	0	0	0	0	0	0	500	2000
Closing Balance of Loan	490.50	2500.00	2552.50	4562.00	4562.00	4562.00	4562.00	4062.00	2062.00
Average Loan Balance	245.25	1495.25	1521.50	2526.25	4562.00	4562.00	4562.00	4312.00	3062.00
Applicable Interest Rate (%)	10	10	10	10	10	10	10	10	10
Interest	2.06	25.00	76.08	101.08	456.20	456.20	456.20	431.20	306.20
Finance charges									
Total Interest & Finance charges	2.06	25.00	76.08	101.08	456.20	456.20	456.20	431.20	306.20
PFC-Covid(37469001)									
Opening Balance of Loan	2716.91	2716.91	2716.91	2716.91	2485.79	2097.71	1709.63	1321.55	933.47
Addition of Loan during the year	0	0	0	0	0	0	0	0	0
Loan Repayment during the year	0	92.04	139.08	231.12	388.08	388.08	388.08	388.08	388.08
Closing Balance of Loan	2716.91	2624.87	2577.83	2485.79	2097.71	1709.63	1321.55	933.47	545.39
Average Loan Balance	2716.91	2670.89	2647.37	2601.35	2291.75	1903.67	1515.59	1127.51	739.43
Applicable Interest Rate (%)	9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75
Interest	229.16	133.03	129.06	262.09	223.45	185.61	147.77	109.93	72.09
Finance charges									
Total Interest & Finance charges	229.16	133.03	129.06	262.09	223.45	185.61	147.77	109.93	72.09
PFC-LPS(37474001)									
Opening Balance of Loan	0	637.05	637.05	637.05	1506.63	1779.84	1643.03	1493.78	1344.53
Addition of Loan during the year	637.05	384.56	485.02	869.58	273.21	273.2099609	0	0	0
Loan Repayment during the year	0	0	0	0	0	136.81	149.25	149.25	149.25
Closing Balance of Loan	637.05	1021.61	1122.07	1506.63	1779.84	1916.24	1493.78	1344.53	1195.28
Average Loan Balance	318.53	829.33	879.56	1071.84	1643.24	1848.04	1568.41	1419.16	1269.91
Applicable Interest Rate (%)	9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75
Interest	17.80	46.06	42.88	88.94	160.22	180.18	152.92	138.37	123.82
Finance charges									
Total Interest & Finance charges	17.80	46.06	42.88	88.94	160.22	180.18	152.92	138.37	123.82
PFC-RBPF(37475001)									
Opening Balance of Loan	0	1000	1000	1000.00	999.08	999.08	999.08	999.08	1000
Addition of Loan during the year	1000	1000	607.88	607.88	0	0	0	0	0
Loan Repayment during the year	0	0	608.8	608.8	0	0	0	999.08	0
Closing Balance of Loan	1000.00	2000.00	999.08	999.08	999.08	999.08	999.08	0.00	1000.00
Average Loan Balance	500.00	1500.00	999.54	999.54	999.08	999.08	999.08	499.54	1000.00
Applicable Interest Rate (%)	9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75
Interest	1.69	50.00	48.73	98.73	97.41	97.41	97.41	48.71	97.50
Finance charges									
Total Interest & Finance charges	1.69	50.00	48.73	98.73	97.41	97.41	97.41	48.71	97.50

Northern Power Distribution Company of Telangana Limited
Form 18: Interest and finance charges on loan

PFC-RBPF(37475001)									
Opening Balance of Loan	860.98	272.38	272.38	272.38	272.379883	0	0	0	0
Addition of Loan during the year	0	0	0	0	0	0	0	0	0
Loan Repayment during the year	588.6	131.58	140.8	272.38	272.379883	0	0	0	0
Closing Balance of Loan	272.38	140.80	131.58	0.00	0.00	0.00	0.00	0.00	0.00
Average Loan Balance	566.68	206.59	201.98	136.19	136.19	0.00	0.00	0.00	0.00
Applicable Interest Rate (%)	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95
Interest	50.82	10.36	10.05	20.41	13.55	0.00	0.00	0.00	0.00
Finance charges									
Total Interest & Finance charges	50.82	10.36	10.05	20.41	13.55	0.00	0.00	0.00	0.00
PFC-RBPF(37475001)									
Opening Balance of Loan	924.02	924.02	924.02	924.02	924.02	924.02	924.02	924.02	924.02
Addition of Loan during the year	0	0	0	0	0	0	0	0	0
Loan Repayment during the year	0	0	0	0	0	0	0	0	924.02
Closing Balance of Loan	924.02	924.02	924.02	924.02	924.02	924.02	924.02	924.02	0.00
Average Loan Balance	924.02	924.02	924.02	924.02	924.02	924.02	924.02	924.02	462.01
Applicable Interest Rate (%)	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95
Interest	92.06	46.03	45.97	92.00	91.94	91.94	91.94	91.94	45.97
Finance charges									
Total Interest & Finance charges	92.06	46.03	45.97	92.00	91.94	91.94	91.94	91.94	45.97
Total									
Opening Balance of Loan	8327.62	10307.87	10692.43	10307.87	16087.9499	15477.26991	14164.27	12981.05	11320.25
Addition of Loan during the year	2964.6	4278.62	4139.92	7418.54	546.42	546.4199219	0	0	0
Loan Repayment during the year	984.35	508.73	1402.11	1910.84	1311.75988	1312.999912	1183.22	2660.8	4057.24
Closing Balance of Loan	10307.87	14077.76	13430.24	15815.57	15322.61	14710.69	12981.05	10320.25	7263.01
Average Loan Balance	9317.75	12192.82	12061.34	13061.72	15705.28	15093.98	13572.66	11650.65	9291.63
Applicable Interest Rate (%)	8.10%	8.96%	9.96%	8.78%	9.88%	9.88%	9.87%	9.88%	9.86%
Interest	754.53	546.52	600.40	1146.92	1552.11	1491.74	1339.94	1150.75	916.02
Finance charges									
Total Interest & Finance charges	754.53	546.52	600.40	1146.92	1552.11	1491.74	1339.94	1150.75	916.02

Northern Power Distribution Company of Telangana Limited
Form 19: Interest on working capital

A) Distribution Wire Business + Retail Supply Business

(Rs. Crore)

S. No.	Particulars	Year (n-1)	Base Year	Control Period				
		Apr-Mar	Apr - Mar	n+1	n+2	n+3	n+4	n+5
		Audited	Estimated	Projected	Projected	Projected	Projected	Projected
1	O&M expenses	204.20	226.86	243.28	261.39	326.53	351.06	377.30
2	Maintenance spares	90.55	96.03	101.99	120.41	140.64	166.71	194.49
3	Receivables	430.01	417.57	457.87	513.70	649.99	730.12	814.64
	Less:							
4	Security Deposits		0.00	0.00	0.00	0.00	0.00	0.00
5	Power purchase cost including transmission charges and SLDC charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Total Working Capital requirement	724.76	740.45	803.14	895.49	1117.15	1247.89	1386.43
7	Interest rate		10.15%	10.15%	10.15%	10.15%	10.15%	10.15%
8	Interest on working capital	0.00	75.16	81.52	90.89	113.39	126.66	140.72

B) Distribution Wire Business

(Rs. Crore)

S. No.	Particulars	Year (n-1)	Base Year	Control Period				
		Apr-Mar	Apr - Mar	n+1	n+2	n+3	n+4	n+5
		Audited	Estimated	Projected	Projected	Projected	Projected	Projected
1	O&M expenses	183.78	204.17	218.96	235.25	293.87	315.95	339.57
2	Maintenance spares	81.49	86.42	91.79	108.37	126.58	150.04	175.04
3	Receivables	310.30	375.81	412.08	462.33	584.99	657.11	733.18
	Less:		0.00	0.00	0.00	0.00	0.00	0.00
4	Security Deposits		0.00	0.00	0.00	0.00	0.00	0.00
5	Power purchase cost including transmission charges and SLDC charges			0.00	0.00	0.00	0.00	0.00
6	Total Working Capital requirement	575.58	666.40	722.83	805.94	1005.44	1123.10	1247.79
7	Interest rate		10%	10%	10%	10%	10%	10%
8	Interest on working capital	0.00	67.64	73.37	81.80	102.05	113.99	126.65

C) Retail Supply Business

(Rs. Crore)

S. No.	Particulars	Year (n-1)	Base Year	Control Period				
		Apr-Mar	Apr - Mar	n+1	n+2	n+3	n+4	n+5
		Audited	Estimated	Projected	Projected	Projected	Projected	Projected
1	O&M expenses	20.42	22.69	24.33	26.14	32.65	35.11	37.73
2	Maintenance spares	9.05	9.60	10.20	12.04	14.06	16.67	19.45
3	Receivables	119.71	41.76	45.79	51.37	65.00	73.01	81.46
	Less:							
4	Security Deposits		0.00					
5	Power purchase cost including transmission charges and SLDC charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Total Working Capital requirement	149.18	74.04	80.31	89.55	111.72	124.79	138.64
7	Interest rate		10%	10%	10%	10%	10%	10%
8	Interest on working capital	0.00	0.00	8.15	9.09	11.34	12.67	14.07

Northern Power Distribution Company of Telangana Limited
Form 20: Return on Equity

A) Distribution Wire Business + Retail Supply Business

(Rs. Crore)

S. No.	Particulars	Base Year 'n'	Control Period				
		Apr - Mar	n+1	n+2	n+3	n+4	n+5
		Estimated	Projected	Projected	Projected	Projected	Projected
1	Regulatory Equity at the beginning of the year	526	582	926	1321	1857	2433
2	Capitalisation during the year	476	1671	1841	2415	2573	2665
3	Equity portion of capitalisation during the year	119	418	460	604	643	666
4	Reduction in Equity Capital on account of retirement / replacement of assets	0	0	0	0	0	0
5	Regulatory Equity at the end of the year	582	926	1321	1857	2433	2999
	Rate of Return on Equity						
6	Base rate of Return on Equity	14.00%	14.00%	14.00%	14.00%	14.00%	14.00%
7	Effective Income Tax rate	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
8	Rate of Return on Equity	14.00%	14.00%	14.00%	14.00%	14.00%	14.00%
	Return on Equity Computation						
9	Return on Regulatory Equity at the beginning of the year	73.6	81.5	129.6	184.9	260.0	340.6
10	Return on Regulatory Equity addition during the year	4.0	24.0	27.7	37.5	40.3	39.6
11	Total Return on Equity	78	106	157	222	300	380

B) Distribution Wire Business

(Rs. Crore)

S. No.	Particulars	Base Year 'n'	Control Period				
		Apr - Mar	n+1	n+2	n+3	n+4	n+5
		Estimated	Projected	Projected	Projected	Projected	Projected
1	Regulatory Equity at the beginning of the year	473	524	833	1189	1671	2189
2	Capitalisation during the year	428	1504	1657	2173	2315	2398
3	Equity portion of capitalisation during the year	107	376	414	543	579	600
4	Reduction in Equity Capital on account of retirement / replacement of assets	0	0	0	0	0	0
5	Regulatory Equity at the end of the year	524	833	1189	1671	2189	2699
	Rate of Return on Equity						
6	Base rate of Return on Equity	14.00%	14.00%	14.00%	14.00%	14.00%	14.00%
7	Effective Income Tax rate	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
8	Rate of Return on Equity	14.00%	14.00%	14.00%	14.00%	14.00%	14.00%
	Return on Equity Computation						
9	Return on Regulatory Equity at the beginning of the year	66	73	117	166	234	307
10	Return on Regulatory Equity addition during the year	4	22	25	34	36	36
11	Total Return on Equity	70	95	142	200	270	342

C) Retail Supply Business

(Rs. Crore)

S. No.	Particulars	Base Year 'n'	Control Period				
		Apr - Mar	n+1	n+2	n+3	n+4	n+5
		Estimated	Projected	Projected	Projected	Projected	Projected
1	Regulatory Equity at the beginning of the year	52.58	58.23	92.57	132.10	185.68	243.26
2	Capitalisation during the year	47.56	167.07	184.11	241.45	257.27	266.48
3	Equity portion of capitalisation during the year	11.89	41.77	46.03	60.36	64.32	66.62
4	Reduction in Equity Capital on account of retirement / replacement of assets	0.00	0.00	0.00	0.00	0.00	0.00
5	Regulatory Equity at the end of the year	58.23	92.57	132.10	185.68	243.26	299.89
	Rate of Return on Equity						
6	Base rate of Return on Equity	14%	14%	14%	14%	14%	14%
7	Effective Income Tax rate	0.00	0.00	0.00	0.00	0.00	0.00
8	Rate of Return on Equity	14%	14%	14%	14%	14%	14%
	Return on Equity Computation						
9	Return on Regulatory Equity at the beginning of the year	7.36	8.15	12.96	18.49	26.00	34.06
10	Return on Regulatory Equity addition during the year	0.40	2.40	2.77	3.75	4.03	3.96
11	Total Return on Equity	7.76	10.56	15.73	22.24	30.03	38.02

**BEFORE THE HONOURABLE TELANGANA ELECTRICITY REGULATORY
COMMISSION**

At Its Office at 5th 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 5th Control Period (FY 2024-25 to FY 2028-29) under Multi-Year-Tariff principles in accordance with the Telangana Electricity Regulatory Commission (Multi-Year-Tariff) Regulation (Regulation 2 of 2023) by the Northern Power Distribution Company of Telangana Limited (TGNPDCL).

In the matter of

NORTHERN 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 5th 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 5th 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 5th 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 – Loksabhha -2024.
6. In view of the aforementioned reasons, the licensee could not file the petition for Distribution ARR and determination of Wheeling Tariff for 5th 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 5th 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 5th Control Period for the reasons stated above.


Petitioner
Chief General Manager
IPC & RAC, TGNPDCL,
WARANGAL.

**BEFORE THE HONOURABLE TELANGANA ELECTRICITY REGULATORY
COMMISSION**

At Its Office at 5th Floor, Singareni Bhavan, Red Hills, Hyderabad - 500 004

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In the matter of

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

In the matter of

NORTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED

.....Applicant

AFFIDAVIT OF APPLICANT VERIFYING THE ACCOMPANYING PETITION

I, Sri K. Tirmal Rao, Son of Sri Damoder Rao aged 57 years, Occupation: Chief General Manager (IPC&RAC), TGNPDCL, Hanumakonda, R/o Hanumakonda do solemnly affirm and say as follows:

- 1) I am Chief General Manager (IPC&RAC)/TGNPDCL, I am competent and duly authorized by TGNPDCL to affirm, swear, execute and file this petition.
- 2) 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 General Manager
IPC & RAC, TGNPDCL,
WARANGAL.

VERIFICATION

The above named Deponent solemnly affirm at Hanumakonda on this 19th day of July, 2024 that the contents of the above Affidavit are true to my knowledge and no part of it is false and nothing material has been concealed there from.

Solemnly affirmed and signed before me.


General Manager
IPC & RAC, TGNPDCL,
Warangal.


DEPONENT
Chief General Manager
IPC & RAC, TGNPDCL,
WARANGAL.

Chief General Manager
IPC & RAC, TGNPDCL,
WARANGAL.