

Telangana State Electricity Regulatory Commission

5th Floor, Singareni Bhavan, Red Hills, Lakdi-ka-pul, Hyderabad 500 004

ORDER

ON

Approval of Resource Plan and Business Plan for 5th Control Period for FY 2024-25 to FY 2028-29 and 6th Control Period for FY 2029-30 to FY 2033-34

FOR

Southern Power Distribution Company of Telangana State (TSSPDCL)

&

Northern Power Distribution Company of Telangana State (TSNPDCL)

29th December 2023

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LIST OF ABBREVIATIONS

1st Control Period	Comprising seven months period from 1.09.2008 to 31.03.2009
2 nd Control Period	Comprising five (5) years from FY 2009-10 to FY 2013-14
3 rd Control Period	Comprising five (5) years from FY 2014-15 to FY 2018-19
4 th Control Period	Comprising five (5) years from FY 2019-20 to FY 2023-24
5 th Control Period	Comprising five (5) years from FY 2024-25 to FY 2028-29
6 th Control Period	Comprising five (5) years from FY 2029-30 to FY 2033-34
A&G	Administrative and General
APCPDCL	Andhra Pradesh Central Power Distribution Corporation Limited
APERC	Andhra Pradesh Electricity Regulatory Commission
APNPDCL	Northern Power Distribution Company of Andhra Pradesh Limited
APTransco	Transmission Corporation of Andhra Pradesh Limited
ARR	Aggregate Revenue Requirement
AT&C	Aggregate Technical and Commercial Losses
CAGR	Compound Annual Growth Rate
CAPEX	Capital Expenditure
CC	Consumer Contribution
CEA	Central Electricity Authority
CERC	Central Electricity Regulatory Commission
COD	Date of Commissioning
CP	Control Period
CPI	Consumer Price Index
CSPTCL	Chhattisgarh State Power Transmission Company Limited
CT	Current Transformer
CWIP	Capital Work in Progress
Discom	Distribution Company
DMS	Data Management System
DPR	Detailed Project Report
DTR	Distribution Transformer
EV	Electric Vehicle
FI	Financial Institution
FY	Financial Year
GHMC	Greater Hyderabad Municipal Corporation
Gol	Government of India
G.O.Ms.	Government Order (Manuscript)
GoTS	Government of Telangana State
HT	High Tension
HV	High Voltage
HVDC	High Voltage Direct Current
IA	Interlocutory Appeal

IDC	Interest During Construction
kV	kilo Volt
kW	kilo Watt
kWh	kilo Watt hour
LIS	Lift Irrigation System
LT	Low Tension
LV	Low Voltage
MAT	Minimum Alternative Tax
MoP	Ministry of Power
MU	Million Units
MW	Mega-Watt
MYT	Multi Year Tariff
NTI	Non-Tariff Income
O&M	Operation and Maintenance
OA	Open Access
O.P.	Original Petition
PGCIL	Power Grid Corporation of India Limited
PPA	Power Purchase Agreement
PTR	Power Transformer
PWS	Pipeline, Water and Supply
R&M	Repairs and Maintenance
RBI	Reserve Bank of India
RE	Renewable Energy
RESCO	Renewable Energy Service Company
RST	Retail Supply Tariff
SCADA	Supervisory Control and Data Acquisition
SCCL	Singareni Collieries Company Limited
SLDC	State Load Despatch Centre
SoR	Statement of Reason
SS	Sub-Station
STU	State Transmission Utility
TOD	Time of Day
TSDISCOMs	Telangana Distribution Companies
TSERC	Telangana State Electricity Regulatory Commission
TSNPDCL	Northern Power Distribution Company of Telangana Limited
TSSPDCL	Southern Power Distribution Company of Telangana Limited
TSTransco	Transmission Corporation of Telangana Limited



TELANGANA STATE ELECTRICITY REGULATORY COMMISSION

5th Floor, Singareni Bhavan, Red Hills, Lakdi-ka-pul, Hyderabad 500 004

O. P. Nos. 07 and 08 of 2023 O. P. Nos. 18 and 19 of 2023

Dated 29.12.2023

Present

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

O.P. No 07 of 2023 Resource Plan for 5th Control Period and 6th Control Period
O.P. No 18 of 2023 Business Plan for 5th Control Period and 6th Control Period

Southern Power Distribution Company of Telangana Limited (TSSPDCL)

... Petitioner

O.P. No 08 of 2023 Resource Plan for 5th Control Period and 6th Control Period O.P. No 19 of 2023 Business Plan for 5th Control Period and 6th Control Period Northern Power Distribution Company of Telangana Limited (TSNPDCL)

... Petitioner

The Southern Power Distribution Company of Telangana Limited (TSSPDCL) and the Northern Power Distribution Company of Telangana Limited (TSNPDCL) (hereinafter referred to as "Applicants" or "Petitioners" or "TSDISCOMs" or "Licensees") have filed Resource Plan Petition on 01.04.2023. The Resource Plan filings have been made by the Petitioners as per the provisions of the Telangana State Electricity Regulatory Commission (Adoption) Regulation, 2014 (Regulation 1 of 2014) and Terms and Conditions for Determination of Tariff for Wheeling and Retail Sale of Electricity Regulation, 2005 (Regulation No.4 of 2005) for the 5th Control Period for FY 2024-25 to FY 2028-2029 & 6th Control Period for FY 2029-30 to FY 2033-34.

The Business Plan Petitions have been filed by TSSPDCL and TSNPDCL on 24.06.2023 and 05.07.2023, respectively. The Business Plan filings have been made by the

Petitioners as per Clauses 38 of the Telangana State Electricity Regulatory Commission Distribution Licence Regulation, 2016 (Regulation 4 of 2016) and Guidelines for load forecasts, resource plans and power procurement for 5th Control Period for FY 2024-25 to FY2028-2029 & 6th Control Period for FY 2029-30 to FY 2033-34.

The Commission, in exercise of the powers under the Electricity Act, 2003 (EA 2003) and Regulation No. 4 of 2016 along with considering the submissions of the Petitioners, objections and suggestions of the stakeholders, issues raised during the Public Hearing and responses of the Petitioners to the same and all other relevant material available on record, hereby approves the Resource Plan and Business Plan for TSDISCOMs for the 5th Control Period for FY 2024-25 to FY2028-2029 & 6th Control Period for FY 2029-30 to FY 2033-34, as under.



COMMON ORDER Chapter 1 Background and Brief History

1.1 Telangana State Electricity Regulatory Commission

- 1.1.1 Telangana State Electricity Regulatory Commission (hereinafter referred to as TSERC or Commission) was constituted by the Government of Telangana State (GoTS) in terms of the provisions of Schedule XII(C) (3) of the Andhra Pradesh Re-organisation Act of 2014, read with Section 82 of the Electricity Act, 2003 (Act) vide G.O.Ms.No.3, Energy (Budget) Department, dated 26.07.2014.
- 1.1.2 The Commission in exercise of the powers conferred on it by Section 181 of the Electricity Act, 2003 read with the Andhra Pradesh Re-Organisation Act, 2014 has notified the Telangana State Electricity Regulatory Commission (Adoption) Regulation, 2014 (Regulation No. 1 of 2014) on 10.12.2014. The Regulation No. 1 of 2014 specifies that the subsisting regulations, decisions, directions or orders, licenses and practice directions issued by the erstwhile Andhra Pradesh Electricity Regulatory Commission (Regulatory Commission for States of Andhra Pradesh and Telangana) as in existence as on the date of constitution of TSERC shall continue and remain in force. The relevant extract of the Regulation specifies as follows:

"All regulations, decisions, directions or orders, all the licences and practice directions issued by the erstwhile Andhra Pradesh Electricity Regulatory Commission (Regulatory Commission for States of Andhra Pradesh and Telangana) as in existence as on the date of the constitution of the Telangana State Electricity Regulatory Commission and in force, shall mutatis-mutandis apply in relation to the stakeholders in electricity in the State of Telangana including the Commission and shall continue to have effect until duly altered, repealed or amended, any of Regulation by the Commission with effect from the date of notification as per Notification issued by the Government of Telangana in G.O.Ms.No.3 Energy(Budget) Department, dt.26-07-2014 constituting the Commission."

1.1.3 The Terms and Conditions for determination of Tariff for Wheeling and Retail Sale of Electricity) Regulation, 2005 (Regulation No. 4 of 2005) specifies that Distribution Licensees within the State shall file a Resource Plan before the Commission for the entire duration of Control Period and before the

commencement of the same. The relevant extract of the Regulation No.4 of 2005 is reproduced below:

"9 RESOURCE PLAN

9.1 The Distribution Licensee shall file for-Commission's approval a Resource Plan on 1st April of the year preceding the first year of Control Period. The Resource Plan shall inter alia, contain 'the Sales Forecast, Load Forecast, Power Procurement Pian and a Distribution Plan (Capital Investment Plan) consistent with the requirements of the Commission's Guidelines on Load Forecast and Resource Plan (Distribution Plan and Power Procurement Plan) as amended from time to time:

Provided that the Resource Plan for the first Control Period may be filed along with the "Multi-year filings for ARR of the first Control Period.

- 9.2 The Commission shall approve the Resource Plan as per the Guidelines on Load Forecast, Resource Plan (Distribution Plan and. Power Procurement Plan) and the Distribution Licensee shall adopt them in the Multi-Year and Annual filings for the Control Period
- 1.1.4 The Commission has notified the Telangana State Electricity Regulatory Commission (Distribution License) Regulation, 2016 (The Regulation No. 4 of 2016) on 27.06.2016, which specifies that the Distribution Licensee shall submit a Business Plan for such Period as directed by the Commission. The relevant extract of the Regulation is reproduced below:

"38 Business Plan

38.1 Subject to other regulations notified by the Commission, the Distribution Licensee shall submit a Business Plan within three (3) months of the Distribution License coming in force for such period as the Commission may direct and shall update such plan annually. The Business Plan shall, inter-alia, contain (i) year wise load growth, (ii) year wise Distribution loss reduction proposal along with specific action plan (iii) metering plan for metering interface points, (iv) treatment of previous losses (v) cost reduction plan and (vii) other important financial analysis or parameters.

Provided that the existing licensees shall submit such Business Plans within three (3) months from date of notification of this Regulations.

The Distribution Licensee shall submit full details to the Commission, by the end of first quarter of each financial year, regarding the progress made in implementing the Business Plan of previous financial year with the comparison of actual implementation vis-à-vis the Plan as approved by the Commission."