



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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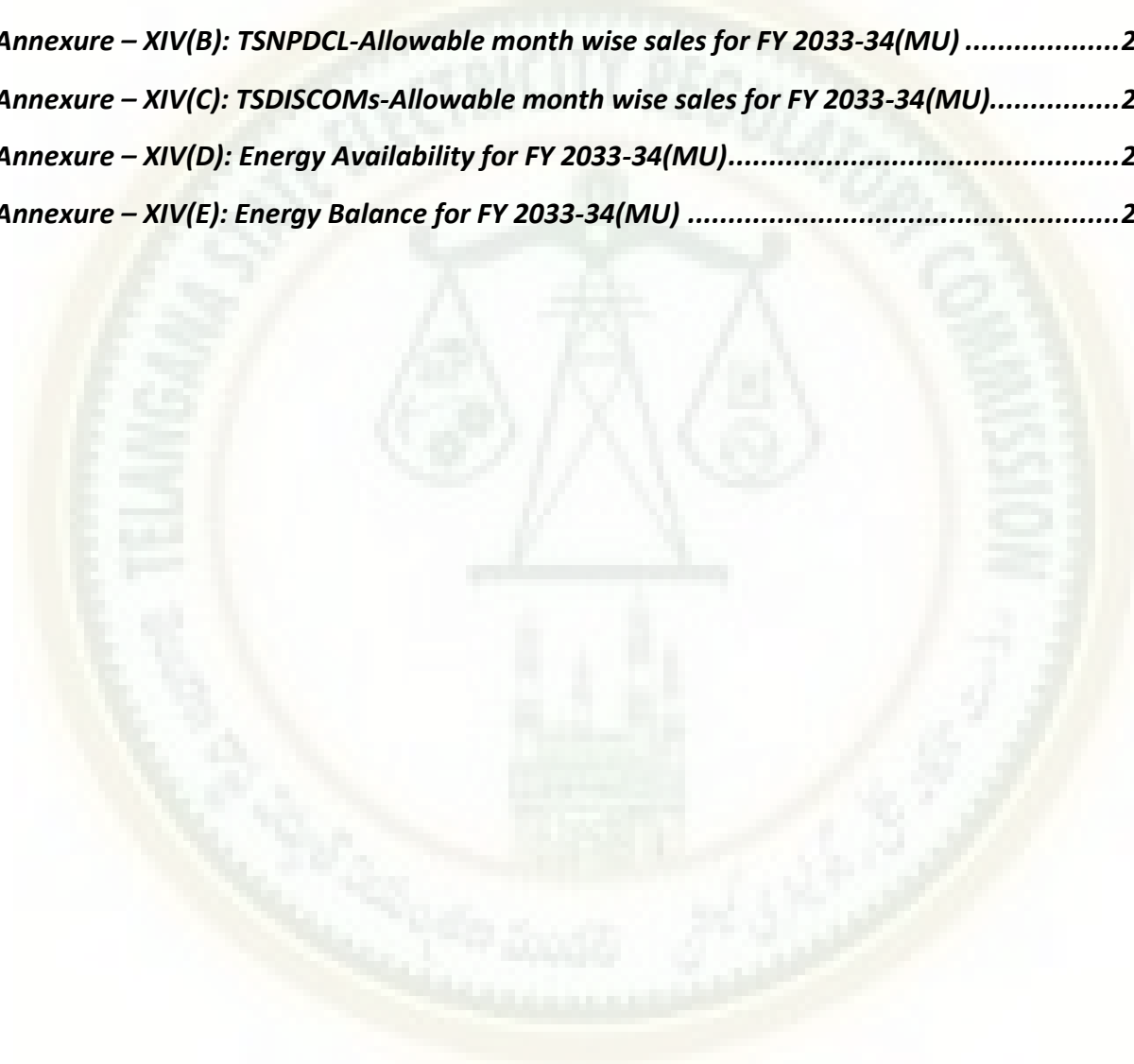


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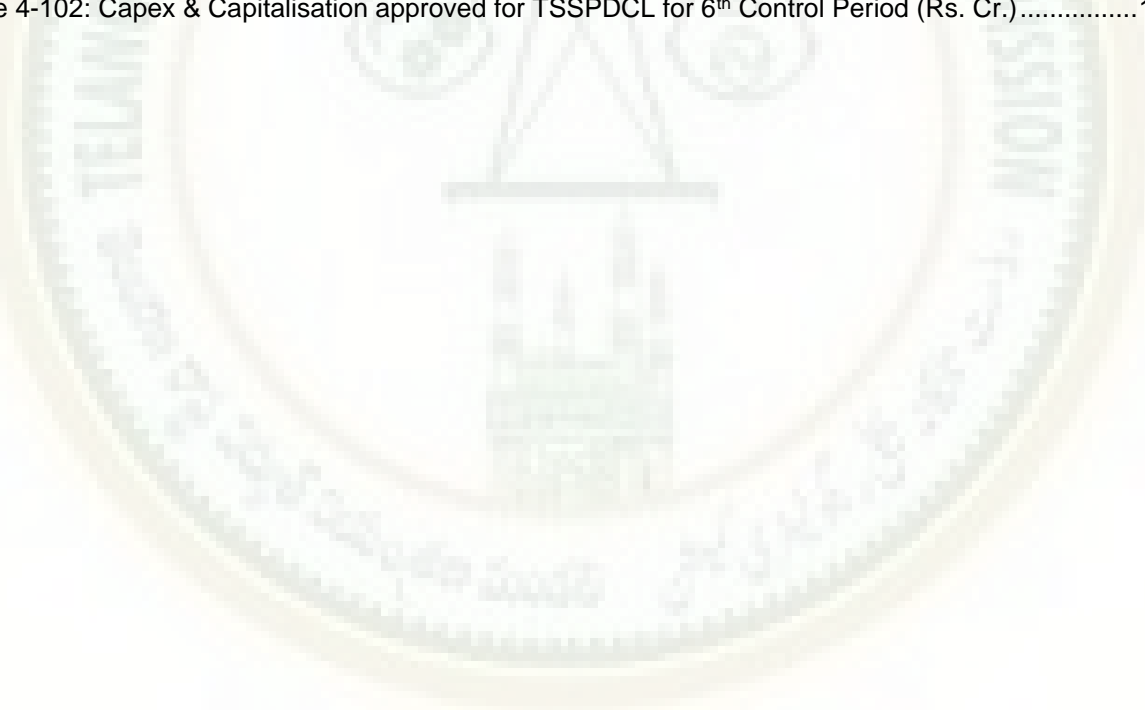
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LIST OF ABBREVIATIONS

1 st 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 Plan 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.”

- 1.1.5 The guidelines for load forecasts, resource plans, and power procurement notified on December, 2006 specifies that these guidelines to be abided by the Distribution Licensees as provided in their licenses. The relevant provisions are reproduced below:

“These guidelines are to be followed by the APTRANSCO and Distribution Licensees as provided in their respective licenses issued by the AP Electricity Regulatory Commission,

(a) while forecasting the demand for power within their area of supply pursuant to paragraph 17.12 of the Transmission and Bulk Supply License issued to APTRANSCO and paragraph 19.2 of the Distribution and Retail Supply License issued to DISCOMS; and

(b) while formulating resource plans and schemes to meet their obligations under paragraph 17.1 of the Transmission and Bulk Supply License issued to APTRANSCO and paragraphs 19.2, 19.3 and 19.4 of the Distribution and Retail Supply License issued to DISCOMS.”

- 1.1.6 In consideration to the above Regulation, the Petitioners filings have been undertaken into consideration for 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.

1.2 Admission of the Petition and Regulatory Process

- 1.2.1 The Petitions for 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, have been respectively submitted by the TSSPDCL on 1.04.2023 & 24.06.2023 and by TSNPDCL on 1.04.2023 & 05.07.2023. The Commission found the filings in order as required under the Conduct of Business Regulation, 2015 (Regulation No. 2 of 2015) and the same were taken on record by assigning O. P. No. 07 & 18 of 2023 for TSSPDCL and O.P. No 08 &19 of 2023 for TSNPDCL. Thereafter, the Commission vide letter dated 07.06.2023 sought additional information from the Petitioner.

- 1.2.2 The Commission upon scrutiny of the filings of the Petitioner identified certain data gaps/ additional information requirement and vide letter dated 05.10.2023 directed the Petitioners to furnish the additional information. As directed by the Commission, the Petitioner furnished the additional information and placed the

same on its website.

1.3 Public Notice

- 1.3.1 The Petitioner, in conformity with the directions of the Commission, issued Public Notice for inviting comments and suggestions of the stakeholders on the filing of the Resource Plan for 5th Control Period and 6th Control Period in two (2) English, two (2) Telugu, and one (1) Urdu daily newspapers on 18.05.2023. The Petitioner has made the filings (along with its supporting material) available for the public on payment of printing cost only. Also, the filings (along with supporting material) have been hosted by the Petitioners and the Commission as well, on their respective websites. Comments/objections/suggestions of the stakeholders on the Resource Plan filings of both the licensees have been invited on and before 15.06.2023. The Commission has extended the last date of submitting the objections/suggestions/comments on the Resource Plan filings of the Petitioners to 28.06.2023.
- 1.3.2 Subsequently, the Commission on account of the Business Plan filings submitted by the Petitioner and the request of the stakeholders to extend the last date of submission of comments on the Resource Plan filings has clubbed the issues of both the matters together and issued the Public Notice on 28.07.2023 and invited the comments / objections / suggestions from the stakeholders on and before 18.08.2023. The Public Notice for Resource Plan Petition and Business Plan Petition of both the TSDiscoms is enclosed at **Annexure-I & II** respectively.

1.4 Response to the Public Notice

- 1.4.1 In response to the Public Notice, three (3) stakeholders have submitted their Objections/Comments on the filings of the Resource Plan and Business Plan of the Petitioners for 5th Control Period and 6th Control Period. The list of stakeholders submitting written objections/suggestions is given at **Annexure-III**.
- 1.4.2 The Petitioner was directed to furnish replies to objections/suggestions of stakeholders in writing, with a copy to the Commission. The objections/suggestions of stakeholders and replies of Petitioner corresponding to the same were posted on the website of both Petitioner as well as the Commission.

1.5 Public Hearing

- 1.5.1 The Commission conducted the Public Hearing on 01.09.2023 in attendance of the Petitioner, the Respondents and the other interested stakeholders. As the objectors' queries and comments were not prepared by the Petitioner beforehand and written response submission were not submitted to stakeholders, the Commission rescheduled the hearing date to 18.10.2023 so that additional time can be given to the Petitioner to respond the queries raised previously or any other additional submission added in between by stakeholder and on directions of the Commission for filing a written submission regarding the same.
- 1.5.2 Since the public hearing was inconclusive, the Commission has decided to conduct next hearing on 22.09.2023. But the hearing was postponed to 18.10.2023. The list of stakeholders who participated in public hearing held at Commission on 18.10.2023 is enclosed at **Annexure-IV**.

1.6 Data-gaps and Petitioners' Responses

- 1.6.1 During scrutiny the Resource Plan and Business Plan filings of the Petitioner, were found to be deficient in certain aspects and therefore, additional information was sought. The Petitioner submitted the additional information sought by the Commission, and the same was considered along with the original filings submitted by the Petitioner.

1.7 Approach of the Order

- 1.7.1 Regulation No. 4 of 2005 and Regulation No. 4 of 2016 read with the Regulation No. 1 of 2014 and Guidelines on the Load Forecast, Resource Plan and Power Procurement provides filing of Resource Plan and Business Plan for approval of the Commission for a period of ten years or for a duration of two entire Control Periods. The Petitioners accordingly have filed the Petitions before the Commission for 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. The Commission as per the aforesaid Regulations has undertaken the approval of Resource Plan and Business Plan Petitions for 5th Control Period and 6th Control Period.

Chapter 2

Summary of Filings

2.1 TSDISCOM's Submission

- 2.1.1 The Petitioners in their filings have submitted the Petition for 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.
- 2.1.2 In Resource Plan, the Petitioners have submitted the sales forecast, Distribution licensee's loss trajectory, Transmission loss trajectory, Load forecast, Power Procurement Plan and Energy Balance and Capital Expenditure for network proposed and others.
- 2.1.3 In Business Plan, the Petitioners have submitted the projections for year-wise load growth, year-wise distribution loss reduction proposal with specific action plan, metering plan for metering interface points, treatment of previous losses, cost reduction plan and other financial analysis of TSDiscoms for 5th Control Period and 6th Control Period.

2.2 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

- 2.2.1 TSDISCOMs have submitted the following projections of performance parameters in the Resource Plan and Business Plan for 5th Control Period and 6th Control Period:

a) Sales Forecast:

- 2.2.2 The TSDISCOMs in their filings for 5th Control Period and 6th Control Periods have submitted the year-wise Load Growth (MU) by considering modified trend method wherein the historical trends in usage have been modified based on a case-to-case basis based on the assessment of the TSDISCOMs. Category-wise Sales forecast for 5th Control Period and 6th Control Period for each Circle is developed primarily based on analysis of historical data and applying appropriate growth rates based on CAGR (mostly adopting 5-year or 1-year CAGR and moderated growth rate in case of abnormal CAGRs).

2.2.3 The category-wise projected sales provided along with the effective CAGR is tabulated below:

Table 2-1: Category-wise Projected Sales for 5th Control Period for TSNPDCL (MU)

Category	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
LT I: Domestic	4,243	4,491	4,753	5,032	5,328	5,642
LT II: Non-Domestic/Commercial	915	972	1,033	1,098	1,168	1,243
LT III: Industry	245	251	257	263	269	275
LT IV: Cottage Industries	9	10	10	11	11	12
LT V: Agriculture	7,890	8,285	8,699	9,134	9,591	10,070
LT VI: Street Lighting & PWS	370	380	389	399	409	420
LT VII: General	58	61	64	67	70	74
LT VIII: Temporary Supply	8	9	9	9	10	10
LT IX: EVs	1	4	8	15	23	32
Total LT	13,740	14,460	15,222	16,028	16,879	17,779
HT I: General, Ferro Alloys & HMWS	2,151	2,280	2,447	2,632	2,840	3,071
HT II: Others	190	201	213	225	238	252
HT III: Airport, Bus Stations and Railway Stations	8	8	8	8	9	9
HT IV: LIS	2,209	2,426	2,666	2,929	3,219	3,537
HT IV (b): CPWS	532	544	558	571	585	599
HT V: Railway Traction	553	588	614	641	670	700
HT VI: Township and residential colonies	141	144	147	150	153	156
HT VII: RESCOs	32	33	34	35	36	37
HT VIII: Temporary	987	1,031	1,076	1,124	1,173	1,225
HT IX: EVs	-	-	-	-	-	-
Total HT	6,803	7,257	7,763	8,316	8,922	9,586
Total (LT+HT)	20,543	21,717	22,985	24,344	25,801	27,365

Table 2-2 : Category-wise Projected Sales for 6th Control Period for TSNPDCL (MU)

Category	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
LT I: Domestic	5,976	6,331	6,709	7,111	7,539
LT II: Non-Domestic/Commercial	1,323	1,408	1,499	1,597	1,702
LT III: Industry	282	288	295	302	309
LT IV: Cottage Industries	13	14	15	16	18
LT V: Agriculture	10,473	10,892	11,328	11,781	12,252
LT VI: Street Lighting & PWS	430	441	453	464	476
LT VII: General	78	82	86	90	95
LT VIII: Temporary Supply	11	11	12	13	13
LT IX: EVs	33	33	33	33	34
Total LT	18,618	19,501	20,430	21,408	22,438
HT I: General, Ferro Alloys & HMWS	3,332	3,625	3,955	4,329	4,752
HT II: Others	266	282	299	317	336
HT III: Airport, Bus Stations and Railway Stations	9	9	9	10	10
HT IV: LIS	3,887	4,273	4,696	5,162	5,674
HT IV (b): CPWS	613	628	643	659	675
HT V: Railway Traction	732	765	800	837	876
HT VI: Township and residential colonies	159	163	166	169	172
HT VII: RESCOs	38	39	40	41	42
HT VIII: Temporary	1,279	1,335	1,394	1,456	1,520
HT IX: EVs	-	-	-	-	-

Category	FY	FY	FY	FY	FY
	2029-30	2030-31	2031-32	2032-33	2033-34
Total HT	10,316	11,119	12,003	12,980	14,059
Total (LT+HT)	28,934	30,620	32,434	34,388	36,497

Table 2-3 Category-wise Projected Sales for 5th Control Period for TSSPDCL (MU)

Category	FY	FY	FY	FY	FY	FY
	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
LT I: Domestic	10,608	11,149	11,721	12,327	12,970	13,651
LT II: Non-Domestic/Commercial	3,157	3,347	3,549	3,766	3,997	4,244
LT III: Industry	986	1,022	1,060	1,099	1,140	1,183
LT IV: Cottage Industries	10	10	11	11	12	12
LT V: Agriculture	12,657	13,290	13,955	14,652	15,385	16,154
LT VI: Street Lighting & PWS	482	493	504	514	526	537
LT VII: General	88	93	98	103	108	114
LT VIII: Temporary Supply	107	117	127	139	152	165
LT IX: EVs	1	1	1	2	2	2
Total LT	28,096	29,522	31,026	32,614	34,291	36,062
HT I: General, Ferro Alloys & HMWS	14,483	15,318	16,213	17,171	18,199	19,301
HT II: Others	3,035	3,286	3,517	3,767	4,036	4,330
HT III: Airport, Bus Stations and Railway Stations	63	107	125	142	150	158
HT IV: LIS & CPWS	2,774	3,020	3,290	3,585	3,908	4,262
HT V: Railway Traction	439	766	842	862	1,043	1,147
HT VI: Township and residential colonies	319	347	378	411	448	489
HT VII: RESCOs	0	0	0	0	0	0
HT VIII: Temporary	185	195	206	217	229	242
HT IX: EVs	8	15	17	18	20	21
Total HT	21,304	23,053	24,587	26,174	28,034	29,950
Total (LT+HT)	49,401	52,575	55,612	58,787	62,325	66,012

Table 2-4 : Category-wise Projected Sales for 6th Control Period for TSSPDCL (MU)

Category	FY	FY	FY	FY	FY
	2029-30	2030-31	2031-32	2032-33	2033-34
LT I: Domestic	14,373	15,139	15,952	16,814	17,731
LT II: Non-Domestic/Commercial	4,507	4,789	5,090	5,412	5,757
LT III: Industry	1,227	1,274	1,322	1,372	1,424
LT IV: Cottage Industries	13	13	14	14	15
LT V: Agriculture	16,962	17,810	18,700	19,635	20,617
LT VI: Street Lighting & PWS	549	560	573	585	598
LT VII: General	120	127	134	141	149
LT VIII: Temporary Supply	181	197	215	235	257
LT IX: EVs	2	2	2	2	2
Total LT	37,933	39,911	42,001	44,212	46,550
HT I: General, Ferro Alloys & HMWS	20,484	21,754	23,117	24,582	26,157
HT II: Others	4,645	4,987	5,357	5,758	6,193
HT III: Airport, Bus Stations and Railway Stations	168	176	186	221	233
HT IV: LIS	4,649	5,074	5,539	6,050	6,609
HT V: Railway Traction	1,261	1,386	1,524	1,661	1,843
HT VI: Township and residential colonies	533	581	635	693	757
HT VIII: Temporary	255	270	285	302	320
HT IX: EVs	23	24	26	27	29

Category	FY	FY	FY	FY	FY
	2029-30	2030-31	2031-32	2032-33	2033-34
Total HT	32,019	34,252	36,668	39,293	42,139
Total (LT+HT)	69,952	74,163	78,670	83,505	88,689

b) Peak Demand:

2.2.4 TSDISCOMs, for the projection of the demand for H2, FY 2022-23 and FY 2023-24 and 5th Control Period has derived the trend on hourly basis from 4th Control Period. Hourly demand trend is established from the inputs of seasonality factor derived from the variation in demand for each date for specific hour in different months. Based on the input, the output has been calculated using the following equation:

$$Y \text{ (Projected Hourly Demand)} = Z * (mX+C)$$

Where:

Z: Seasonality factor

m: Slope of the hourly plotted demand

X: nth day from the starting date (i.e., 1st April 2016),

C: Intercept of the hourly plotted demand.

2.2.5 Based on the demand attributed to additional loads, peak demand projected for future years are as follows:

Table 2-5: Peak Demand of TSNPDCL for 5th Control Period (MW)

Description	FY	FY	FY	FY	FY	FY
	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Peak Demand (MW)	7,761	6,585	6,999	7,414	9,885	8,239

Table 2-6: Peak Demand of TSNPDCL for 6th Control Period (MW)

Description	FY	FY	FY	FY	FY
	2029-30	2030-31	2031-32	2032-33	2033-34
Peak Demand (MW)	8,652	9,066	11,914	9,893	10,307

Table 2-7: Peak Demand of TSSPDCL for 5th Control Period (MW)

Description	FY	FY	FY	FY	FY	FY
	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Peak Demand (MW)	8,812	9,514	9,970	10,416	10,874	11,330

Table 2-8: Peak Demand of TSSPDCL for 6th Control Period (MW)

Description	FY	FY	FY	FY	FY
	2029-30	2030-31	2031-32	2032-33	2033-34
Peak Demand (MW)	11,782	12,232	12,679	13,159	13,606

Table 2-9: Coincidental Peak Demand of TSNPDCL for 5th Control Period (MW)

Category	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Low Tension Supply					
Domestic -Category I	615	651	690	730	773
Non-Domestic Category II	113	120	128	136	144
Industrial -Category III	29	29	30	31	31
Cottage Industries - Category IV	1	1	1	1	1
Irrigation and Agriculture - Category V	1342	1409	1480	1554	1631
Public Lighting & PWD - Category VI	35	35	36	37	38
Others - Category VII & VIII	6	7	7	7	8
Total Low-Tension Supply	2141	2253	2371	2496	2627
High Tension Supply					
Industrial -Category I(11kV)	139	153	169	188	209
Industrial -Category I(33kV)	50	51	52	52	53
Industrial -Category I(132kV)	66	69	73	76	80
Other Category II (11kV)	20	21	23	24	25
Other Category II (33kV)	1	1	1	1	1
Other Category II (132kV)	1	1	1	1	1
Rly Stns. Bus Stns & Airport Cat III (11kV)	1	1	1	1	1
Irrigation, Agriculture & CPWS - Category IV (11kV)	23	23	24	25	25
Irrigation, Agriculture & CPWS - Category IV (33kV)	47	48	49	50	51
Irrigation, Agriculture & CPWS - Category IV (132kV)	274	301	331	364	400
Railway Traction Category V(132kV)	77	86	90	94	98
Colony Consumption -Category VI (11kV)	2	2	2	2	2
Colony Consumption -Category VI (33kV)	4	5	5	5	5
Colony Consumption -Category VI (132kV)	12	13	13	13	13
Spare (Temporary) Category VII (11kV)	3	3	3	3	4
Spare (Temporary) Category VII (33kV)	0.3	0.3	0.3	0.3	0.3
Spare (Temporary) Category VII (132kV)	0.1	0.1	0.1	0.1	0.1
RESCO 11kV	150	157	164	171	178
Total High-Tension Supply	869	933	998	1068	1145
Total Peak	3009	3186	3369	3564	3773

Table 2-10: Non-Coincidental Peak demand of TSNPDCL for 5th Control Period (MW)

Category	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Low Tension Supply					
Domestic -Category I	615	651	690	730	773
Non-Domestic Category II	149	158	168	179	190
Industrial -Category III	33	33	34	35	36
Cottage Industries - Category IV	2	2	2	2	2
Irrigation and Agriculture - Category V	1373	1442	1514	1589	1669
Public Lighting & PWD - Category VI	86	89	91	93	95
Others - Category VII & VIII	16	17	17	18	19
Total Low-Tension Supply	2274	2393	2519	2651	2792
High Tension Supply					
Industrial -Category I(11kV)	151	167	184	204	227
Industrial -Category I(33kV)	103	104	106	108	110
Industrial -Category I(132kV)	99	104	110	115	121
Other Category II (11kV)	28	29	31	33	35
Other Category II (33kV)	1	1	1	1	1
Other Category II (132kV)	1	1	1	1	1

Category	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Rly Stns. Bus Stns & Airport Cat III (11kV)	1	1	1	1	1
Irrigation, Agriculture & CPWS - Category IV (11kV)	23	24	25	25	26
Irrigation, Agriculture & CPWS - Category IV (33kV)	47	48	49	50	51
Irrigation, Agriculture & CPWS - Category IV (132kV)	328	361	397	436	479
Railway Traction Category V(132kV)	77	87	90	94	99
Colony Consumption -Category VI (11kV)	2	2	2	2	2
Colony Consumption -Category VI (33kV)	4	5	5	5	5
Colony Consumption -Category VI (132kV)	12	13	13	13	13
Spare (Temporary) Category VII (11kV)	4	4	4	4	5
Spare (Temporary) Category VII (33kV)	0.3	0.3	0.3	0.3	0.3
Spare (Temporary) Category VII (132kV)	0.1	0.1	0.1	0.1	0.1
RESCO 11kV	150	157	164	171	178
Total High-Tension Supply	979	1053	1127	1209	1297
Total Peak	3254	3446	3646	3860	4089

Table 2-11: Coincidental Peak Demand of TSSPDCL for 5th Control Period (MW)

Category	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Low Tension Supply					
Domestic - Category I	1260	1325	1394	1466	1543
Non-domestic - Category II	417	442	469	498	529
Industrial - Category III	140	145	150	156	162
Cottage Industries - Category IV	1	1	1	1	1
Irrigation and Agriculture - Category V	1799	1944	2042	2144	2251
Public Lighting & PWS - Category VI	59	60	61	63	64
General Purpose - Category VII	16	17	18	20	21
Temporary - Category VIII	0.1	0.2	0.2	0.2	0.2
Total Low-Tension Supply	3692	3935	4136	4348	4572
High Tension Supply					
Industrial Cat- I (11KV)	642	674	709	746	785
Industrial Cat- I (33KV)	888	948	1012	1081	1155
Industrial Cat-I (220/132KV)	574	605	639	675	714
Others Cat- II (11KV)	235	250	266	283	302
Others Cat- II (33KV)	148	160	173	188	204
Others Cat-II (220/132KV)	13	14	14	15	16
Rly Stns, Bus Stns& Airports Cat-III (11KV)	0.5	0.6	0.6	0.6	0.7
Rly Stns, Bus Stns& Airports Cat-III (132KV)	12	14	16	16	17
Irrigation, Agriculture & CPWS - Cat-IV (11KV)	24	26	27	29	31
Irrigation, Agriculture & CPWS - Cat-IV (33KV)	27	29	31	34	36
Irrigation, Agriculture & CPWS - Cat-IV (132KV)	334	366	400	438	480
Railway Traction Cat-V (132KV)	98	107	109	133	147
HMR Cat-VB (132KV)	10	11	12	13	14
Colony Consumption – Cat-VI (11KV)	23	25	27	29	32
Colony Consumption – Cat-VI (33KV)	23	25	28	31	34
Temporary – Cat-VII (11KV)	19	20	22	23	24
Temporary – Cat-VII (33KV)	5	5	5	6	6
Total High-Tension Supply	3075	3280	3491	3740	3996
Total Peak in MW	6767	7215	7627	8088	8568

Table 2-12: Non-Coincidental Peak demand of TSSPDCL for 5th Control Period (MW)

Category	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Low Tension Supply					
Domestic - Category I	1454	1529	1608	1691	1780
Non-domestic - Category II	470	498	529	561	596
Industrial - Category III	146	152	157	163	169
Cottage Industries - Category IV	1	2	2	2	2
Irrigation and Agriculture - Category V	1799	1944	2042	2144	2251
Public Lighting & PWS - Category VI	66	67	68	70	71
General Purpose - Category VII	43	46	49	53	57
Temporary - Category VIII	0.1	0.2	0.2	0.2	0.2
Total Low-Tension Supply	3979	4237	4455	4684	4926
High Tension Supply					
Industrial Cat- I (11KV)	652	685	721	758	798
Industrial Cat- I (33KV)	882	942	1006	1074	1148
Industrial Cat-I (220/132KV)	559	590	623	660	700
Others Cat- II (11KV)	272	289	308	328	349
Others Cat- II (33KV)	148	160	174	188	204
Others Cat-II (220/132KV)	13	14	14	15	16
Rly Stns, Bus Stns& Airports Cat-III (11KV)	0.6	0.7	0.7	0.7	0.8
Rly Stns, Bus Stns& Airports Cat-III (132KV)	13	15	18	19	20
Irrigation, Agriculture & CPWS - Cat- IV (11KV)	27	29	31	33	35
Irrigation, Agriculture & CPWS - Cat- IV (33KV)	64	68	73	78	84
Irrigation, Agriculture & CPWS - Cat- IV (132KV)	351	384	420	460	503
Railway Traction Cat-V (132KV)	112	123	125	153	169
HMR Cat-VB (132KV)	12	13	15	16	18
Colony Consumption – Cat-VI (11KV)	29	32	34	37	40
Colony Consumption – Cat-VI (33KV)	24	26	28	31	34
Temporary – Cat-VII (11KV)	19	20	22	23	24
Temporary – Cat-VII (33KV)	5	5	5	6	6
Total High-Tension Supply	3219	3434	3655	3919	4188
Total Peak in MW	7198	7672	8110	8603	9114

c) Distribution Loss Trajectory:

2.2.6 TSDISCOMs have considered the actual agricultural sales, and the loss at LT voltage level higher than the loss approved by the Commission. The incremental losses have resulted in additional procurement of energy for FY 2021-22 for which the TSDISCOMs have not gained any additional revenue. Loss Trajectory projected by the TSDISCOMs for 5th Control Period and 6th Control Period is tabulated below:

Table 2-13: Loss Trajectory submitted by TSNPDCL for 5th Control Period

Description	FY 2021-22 (Actual)	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
LT Loss (%)	5.43%	5.40%	5.38%	5.37%	5.36%	5.35%	5.34%	5.33%
11kV Loss (%)	3.88%	3.87%	3.86%	3.85%	3.85%	3.84%	3.83%	3.83%
33kV Loss (%)	3.01%	3.50%	3.48%	3.47%	3.47%	3.46%	3.47%	3.45%

Table 2-14: Loss Trajectory submitted by TSNPDCL for 6th Control Period

Description	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
LT Loss (%)	5.32%	5.31%	5.30%	5.29%	5.28%
11kV Loss (%)	3.82%	3.81%	3.80%	3.80%	3.79%
33kV Loss (%)	3.44%	3.44%	3.43%	3.43%	3.42%

Table 2-15 : Loss Trajectory submitted by TSSPDCL for 5th Control Period

Description	FY 2021-22 (Actual)	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
LT Loss (%)	5.77%	5.72%	5.67%	5.66%	5.65%	5.64%	5.63%	5.62%
11kV Loss (%)	4.25%	4.22%	4.19%	4.18%	4.17%	4.17%	4.16%	4.15%
33kV Loss (%)	3.20%	3.62%	3.60%	3.59%	3.59%	3.58%	3.57%	3.56%

Table 2-16 : Loss Trajectory submitted by TSSPDCL for 6th Control Period

Description	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
LT Loss (%)	5.61%	5.60%	5.59%	5.58%	5.58%
11kV Loss (%)	4.14%	4.14%	4.13%	4.12%	4.11%
33kV Loss (%)	3.56%	3.55%	3.54%	3.53%	3.53%

2.2.7 The estimated total distribution losses in distribution system for 5th Control Period for TSDISCOMs is as follow:

Table 2-17 :Estimated Distribution Loss for FY 2021-24 and 5th Control Period by TSNPDCL

Particular	FY 2021-22 (Actual)	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Distribution loss including EHT (%)	9.15%	9.48%	9.39%	9.36%	9.30%	9.25%	9.19%	9.13%
Distribution loss without EHT (%)	10.81%	11.26%	11.17%	11.11%	11.09%	11.07%	11.05%	11.03%

Table 2-18 : Estimated Distribution Loss for FY 2021-24 & 5th Control Period by TSSPDCL

Particular	FY 2021-22 (Actual)	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Distribution loss including EHT (%)	9.14%	9.26%	9.17%	9.06%	9.00%	8.95%	8.88%	8.82%
Distribution loss without EHT (%)	10.47%	10.67%	10.58%	10.53%	10.49%	10.45%	10.41%	10.36%

Table 2-19 : Estimated Distribution Loss for 6th Control Period by TSNPDCL

Particular	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
Distribution loss including EHT (%)	9.06%	8.99%	8.91%	8.93%	8.75%
Distribution loss without EHT (%)	11.00%	10.96%	10.93%	10.89%	10.85%

Table 2-20 : Estimated Distribution Loss for 6th Control Period by TSSPDCL

Particular	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
Distribution loss including EHT (%)	8.76%	8.70%	8.64%	8.57%	8.50%
Distribution loss without EHT (%)	10.32%	10.28%	10.23%	10.19%	10.14%

d) Transmission Loss Trajectory:

2.2.8 Loss Trajectory for 5th Control Period and 6th Control Period is tabulated below:

Table 2-21: Loss Trajectory submitted by TSDISCOMs for 5th Control Period

Description	Actual	Approved			Proposed			
	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Transmission Loss	2.47%	2.57%	2.50%	2.48%	2.46%	2.44%	2.42%	2.40%

Table 2-22: Loss Trajectory submitted by TSDISCOMs for 6th Control Period

Description	6 th Control Period				
	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
Transmission Loss	2.39%	2.37%	2.35%	2.34%	2.33%

e) PGCIL Loss Trajectory:

2.2.9 PGCIL losses are applicable on the power procurement from Central Generating Stations in projections for 5th Control Period and 6th Control Period as tabulated below:

Table 2-23 : Trajectory for PGCIL losses for 5th Control Period (%)

Description	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Transmission Loss	3.56%	3.54%	3.52%	3.50%	3.48%

Table 2-24 : Trajectory for PGCIL losses for 6th Control Period (%)

Description	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
Transmission Loss	3.47%	3.45%	3.44%	3.42%	3.41%

f) Load Forecast:

2.2.10 Sales forecast is considered for projection of energy requirement for 5th Control Period and 6th Control Period. Sales projection is grossed up to 33 kV and 132 kV level losses to arrive at the trajectory of energy balance. Same has been tabulated below:

Table 2-25 : Energy Requirement submitted by TSNPDCL for 5th Control Period

Particular	FY	FY	FY	FY	FY
	2024-25	2025-26	2026-27	2027-28	2028-29
LT Sales (MU)	14460	15222	16028	16879	17779
11 kV Sales (MU)	2686	2877	3088	3321	3580
33 kV Sales (MU)	782	795	809	823	837
132 kV Sales (MU)	3789	4090	4419	4778	5169
Total Sales (MU)	21717	22985	24344	25801	27365
AT&C Losses (%) including EHT Sales	9.36%	9.30%	9.25%	9.19%	9.13%
TS TRANSCO Transmission loss (%)	2.48%	2.46	2.44%	2.42%	2.40%
Total Energy Requirement at State Periphery (excl. Inter-State Transmission losses) (MU)	24567	25981	27496	29118	30856
PGCIL Losses (%)	3.56%	3.54%	3.52%	3.50%	3.48%
CSPTCL Losses (%)	3.00%	3.00%	3.00%	3.00%	3.00%
Total External Transmission losses (MU)	339	334	324	317	273
Total Power Purchase Requirement at State Periphery (MU)	24906	26316	27820	29434	31129
AT&C Losses (%) excl. EHT Sales	11.11%	11.09%	11.07%	11.05%	11.03%
Cumulative Transmission Losses	3.81%	3.70%	3.58%	3.47%	3.26%
Total T&D Losses (%)	12.81%	12.66%	12.49%	12.34%	12.09%

Table 2-26: Energy Requirement submitted by TSNPDCL for 6th Control Period

Particular	FY	FY	FY	FY	FY
	2029-30	2030-31	2031-32	2032-33	2033-34
LT Sales (MU)	18618	19501	20430	21408	22438
11 kV Sales (MU)	3868	4190	4551	4956	5412
33 kV Sales (MU)	852	868	883	900	916
132 kV Sales (MU)	5595	6061	6569	7124	7731
Total Sales (MU)	28934	30620	32434	34388	36497
AT&C Losses (%) including EHT Sales	9.06%	8.99%	8.91%	8.83%	8.75%
TS TRANSCO Transmission loss (%)	2.385%	2.37%	2.355%	2.34%	2.325%
Total Energy Requirement at State Periphery (excl. Inter-State Transmission losses) (MU)	32595	34460	36465	38624	40950
PGCIL Losses (%)	3.465%	3.45%	3.435%	3.42%	3.405%
CSPTCL Losses (%)	3.00%	-	-	-	-
Total External Transmission losses (MU)	148	134	134	134	132
Total Power Purchase Requirement at State Periphery (MU)	32743	34595	36599	38758	41082
AT&C Losses (%) excl. EHT Sales	11.00%	10.96%	10.93%	10.89%	10.85%
Cumulative Transmission Losses	2.83%	2.75%	2.71%	2.68%	2.64%
Total T&D Losses (%)	11.63%	11.49%	11.38%	11.27%	11.16%

Table 2-27 : Energy Requirement submitted by TSSPDCL for 5th Control Period

Particular	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
LT Sales (MU)	29521.74	31025.81	32613.70	34290.56	36061.56
11 kV Sales (MU)	7196.74	7601.02	8031.53	8490.85	8980.42
33 kV Sales (MU)	7758.60	8304.49	8891.62	9523.29	10203.11
132 kV Sales (MU)	8098.10	8681.01	9250.51	10020.32	10766.46
Total Sales (MU)	57812.23	61113.40	64567.29	68399.67	72397.85
AT&C Losses (%) including EHT Sales	9.06%	9.00%	8.95%	8.88%	8.82%
TS TRANSCO Transmission loss (%)	2.48%	2.46	2.44%	2.42%	2.40%
Total Energy Requirement at State Periphery (excl. Inter-State Transmission losses) (MU)	59282	62655	66182	70096	74178
PGCIL Losses (%)	3.56%	3.54%	3.52%	3.50%	3.48%
CSPTCL Losses (%)	3.00%	3.00%	3.00%	3.00%	3.00%
Total External Transmission losses (MU)	808	797	772	755	650
Total Power Purchase Requirement at State Periphery MU)	60090	63452	66955	70851	74828
AT&C Losses (%) excl. EHT Sales	10.53%	10.49%	10.45%	10.41%	10.36%
Cumulative Transmission Losses	3.79%	3.69%	3.57%	3.46%	3.25%
Total T&D Losses (%)	12.51%	12.36%	12.20%	12.03%	11.78%

Table 2-28: Energy Requirement submitted by TSSPDCL for 6th Control Period

Particular	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
LT Sales (MU)	36061.74	37933.08	39910.76	44211.89	46549.87
11 kV Sales (MU)	9503.38	10062.39	10660.36	11300.48	11986.22
33 kV Sales (MU)	10934.98	11723.14	12572.20	13487.15	14473.44
132 kV Sales (MU)	11580.40	12466.53	13435.93	14505.29	15679.66
Total Sales (MU)	76668.42	81229.03	86106.08	91332.83	96932.17
AT&C Losses (%) including EHT Sales	8.76%	8.70%	8.64%	8.57%	8.50%
TS TRANSCO Transmission loss (%)	2.385%	2.37%	2.355%	2.34%	2.325%
Total Energy Requirement at State Periphery (excl. Inter-State Transmission losses) (MU)	78542	83201	88183	93521	99239
PGCIL Losses (%)	3.465%	3.45%	3.435%	3.42%	3.405%
CSPTCL Losses (%)	3.00%	-	-	-	-
Total External Transmission losses (MU)	354	321	319	320	315
Total Power Purchase Requirement at State Periphery MU)	78895	83521	88502	93841	99555
AT&C Losses (%) excl. EHT Sales	10.32%	10.28%	10.23%	10.19%	10.14%
Cumulative Transmission Losses	2.82%	2.74%	2.70%	2.67%	2.63%
Total T&D Losses (%)	11.34%	11.21%	11.10%	11.10%	10.91%

Note: CSERC in its order for determination of ARR and Tariff for CSPTCL (Chhattisgarh State Power Transmission Company Ltd.) for the control period from FY 2022-23 to FY 2024-25 has defined the approved Losses as 3%. Hence the TSDiscoms have assumed the same to be applicable for all the years of 5th control period and for FY 2029-30 of 6th control period. (As PPA is expiring in FY 2029-30).

2.2.11 TSDiscoms in their Resource Plan have submitted the Sales forecast, Load forecast, Power Procurement Plan and Distribution Plan. The summary of Energy Requirement, Energy Availability and Energy Balance for 5th Control Period and 6th Control Period is tabulated below:

Table 2-29 : Energy Requirement submitted by TSDiscoms for 5th Control Period (MU)

Sl. No	Source	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
1.	TSNPDCL	24,906	26,316	27,820	29,434	31,129
2.	TSSPDCL	60,090	63,452	66,955	70,851	74,828
	Telangana State	84,997	89,768	94,774	1,00,285	1,05,957

Table 2-30 : Energy Requirement submitted by TSDiscoms for 6th Control Period (MU)

Sl. No	Source	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
1.	TSNPDCL	32,743	34,595	36,599	38,758	41,082
2.	TSSPDCL	78,895	83,521	88,502	93,841	99,555
	Telangana State	1,11,638	1,18,116	1,25,101	1,32,599	1,40,637

Table 2-31: Energy Availability submitted by TSDiscoms for 5th Control Period (MU)

Sl. No	Source	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
1.	TS Genco – Thermal	52,970	58,955	58,933	59,032	58,940
2.	TS Genco - Hydel	2,999	3,029	3,172	3,301	3,443
3.	Central Generating Station	28,550	28,232	27,913	27,293	23,085
4.	NCES	18,577	18,574	18,449	18,320	18,295
5.	Sembcorp Energy (IPPs)	2,360	2,360	2,360	2,367	2,360
6.	CSPDCL (Chhattisgarh)	7,055	7,055	7,055	7,074	7,055
7.	Singareni	9,244	9,244	9,244	9,270	8,911
	Total	1,21,754	1,27,451	1,27,126	1,26,658	1,22,090

Table 2-32 : Energy Availability submitted by TSDiscoms for 6th Control Period (MU)

Sl. No	Source	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
1.	TS Genco – Thermal	58,844	58,530	58,624	58,521	58,537
2.	TS Genco - Hydel	3,562	3,542	3,539	3,381	3,396
3.	Central Generating Station	22,891	23,033	23,014	22,969	22,993
4.	NCES	18,179	18,179	18,126	18,126	18,126
5.	Sembcorp Energy (IPPs)	2,360	2,360	2,367	2,360	2,360
6.	CSPDCL (Chhattisgarh)	677	-	-	-	-
7.	Singareni	8,911	8,911	8,938	9,244	9,244
	Total	1,15,424	1,14,555	1,14,608	1,14,601	1,14,657

2.2.12 Based on the Energy Requirement and Energy Availability projections mentioned in above sections, Energy Balance in the State for each year of 5th Control Period and 6th Control Period is as follows:

Table 2-33 : Energy Balance for 5th Control Period of TSDISCOMs (MU)

Sl. No.	Particular	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
1.	Energy Availability	121,754	127,451	127,126	126,658	122,090
2.	Energy Requirement	84,997	89,768	94,774	100,285	105,957
	Surplus/(Deficit)	36,758	37,683	32,352	26,374	16,133

Table 2-34 : Energy Balance for 6th Control Period of TSDISCOMs (MU)

Sl. No.	Particular	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
1.	Energy Availability	115,424	114,555	114,608	114,601	114,657
2.	Energy Requirement	111,638	118,116	125,101	132,599	140,637
	Surplus/(Deficit)	3,786	(3,561)	(10493)	(17,997)	(25,981)

g) Energy Availability:

2.2.13 TSDISCOMs have submitted details of addition of expected generating capacity during 5th Control Period and 6th Control Period along with their timelines, as mentioned below:

Table 2-35: Addition of Generating Capacity

Sl.No.	Generating Station	Capacity (MW) allotted to TS State	Expected COD
1	Yadradri (YTPS)	4000 (800x5)	Unit-1, Dec' 2023, Unit-2, Mar' 2024, Unit-3, May' 2024, Unit-4, July' 2024, Unit-5, Sept' 2024.
2	Telangana STPP	1360	Unit-I Apr-23 Unit-II Jun-23
3	SECI 400 MW (Solar)	130	270 MW is already Commissioned Balance 130 MW - Apr'23
4	SECI 1000 MW (Solar)	1000	1000 MW - Oct'23
5	NTPC CPSU 1692 MW (Solar)	260	1432 MW is already Commissioned Balance: 100 MW - Mar'23 10 MW - Apr'23 150 MW - Mar'24
6	NTPC CPSU 1045 MW (Solar)	1045	735 MW - Nov'23 310 MW - Apr'24
7	NHPC CPSU 500 MW (Solar)	500	500 MW - Apr'24

h) Cost Reduction Plan:

2.2.14 TSDiscoms have submitted the following measures for cost reduction plan for 5th Control Period and 6th Control Period.

i. Need for more accuracy in demand projections

2.2.15 A smart software tool for the demand forecasting can be used, which can efficiently estimate the demand at various intervals of a day. It would help in a long-term forecast, which will lead to better planning of upcoming capacity additions, address the seasonal demand variations, and also reduce the need for payment of higher per-unit fixed charges during surplus situation. Timely inputs from the Meteorological and Irrigation Dept. may be taken in order to bring in more accuracy. A web-based tool is under development for Day Ahead and Intra-Day Demand forecast for optimization of power purchase cost. The tool is currently managed by TSTRANSCO.

ii. Better Management of seasonal Load

2.2.16 In the view of the upcoming (and existing) - agriculture and LIS loads that are seasonal in nature, efficient management of the demand is required to avoid higher payment of fixed charges during the off-season periods, by leveraging existing IT infrastructure. The banking mechanism can be one of the solutions that may be explored, in finding other States with complementary demand pattern, allowing the State to bilaterally trade power during the peak and off-peak seasons of respective States.

iii. Other Cost reduction measures

2.2.17 Review of the Existing Loans and Interest rates

2.2.18 Reduction in Working Capital Interest costs via timely realisation of outstanding receivables

i) Power Procurement Plan:

2.2.19 TSDISCOMs has submitted the power procurement plan for 5th Control Period and 6th Control Period in short-term and long-term plan to meet the growing/reducing energy requirements. Below is the summary for the submission:

i. Short-term plan for 5th Control Period:

2.2.20 With the energy requirement growing year-on-year and considering the expected additional loads due to Lift Irrigation Schemes and Industrial and Commercial categories, TS Discoms have entered into PPAs with TS Genco, CGS and NCES

(Solar) generators.

- For 5th Control Period, the TSDiscoms are in energy surplus scenario. The reason for it is due to addition of new capacities.
- TSDiscoms have taken care of good energy mix by entering into PPAs with both Thermal and RE generating stations for 5th Control Period.

ii. Long-term plan for 6th Control Period:

2.2.21 During the 6th Control Period, the TSDiscoms have an energy deficit scenario. TSDiscoms expect to meet the energy deficit by means of following measures.

- Based on the real-time conditions in future, if the new capacity in plants like Singareni and Telangana STPP are installed, then TSDiscoms would explore the possibility of entering into PPAs with them as and when required.
- TSDiscoms would ensure the cost effectiveness and would explore option of extending PPAs with CGS generators if required.
- TSDiscoms would explore the option of entering into PPAs with Renewable Energy generators as the variable costs from these are expected to reduce in future.
- In addition to these, Discoms would try to bridge smaller energy deficits by utilizing the Short-term Market purchases.

j) Capital Investment Plan:

2.2.22 The historical sub-division wise actual sales (LT + 11 kV) are considered for last 5 years (FY 2017-18 to FY 2021-22) and CAGRs have been computed. The CAGR considered for each sub-division has been capped at maximum of 3.5 % to moderate the network required.

2.2.23 The Network projection results, i.e., No. of substations, No. of PTRs, No. of feeders and No. of DTRs getting added during the 5th Control Period and 6th Control Period are detailed below:

Table 2-36: Network Projections for 5th Control Period by TSNPDCL (No.)

Network Elements	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	Total
Sub-Stations Unit Additions	49	57	67	80	85	112	401
PTR Additions	15	18	28	45	56	67	214
PTR Augmentation	14	19	25	27	37	45	153
Feeder Additions	0	3	6	13	18	24	64
DTR Additions	10901	11501	12115	12764	13441	14148	63969

Table 2-37: Network Projections for 5th Control Period by TSSPDCL (No.)

Network Elements	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	Total 5 th CP
Sub-Stations Unit Additions	66	80	87	88	90	93	438
PTR Additions	12	13	14	15	17	19	78
PTR Augmentation	67	67	68	69	71	72	347
Feeder Additions	2	10	14	22	29	14	88
DTR Additions	29773	31586	33233	34966	36796	38724	175305

Table 2-38: Network Projections for 6th Control Period by TSNPDCL (No.)

Network Elements	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34	Total 6 th CP
Sub-Stations Unit Additions	83	85	85	92	95	438
PTR Additions	51	52	57	59	60	279
PTR Augmentation	28	31	35	38	40	172
Feeder Additions	7	10	15	22	23	76
DTR Additions	12415	12983	13578	14203	14864	68043

Table 2-39: Network Projections for 6th Control Period by TSSPDCL (No.)

Network Elements	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34	Total 6 th CP
Sub-Stations Unit Additions	93	97	99	100	102	491
PTR Additions	28	30	32	37	38	165
PTR Augmentation	83	83	91	95	100	452
Feeder Additions	15	21	34	46	21	137
DTR Additions	34504	32958	37765	36215	44837	186279

2.2.24 The Base Capex plan arrived for the network projections proposed for 5th Control Period and 6th Control Period is as follows:

Table 2-40: Table Base Capex plan for 5th Control Period by TSNPDCL (Rs. Cr.)

Network Elements	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	Total 5 th CP
Sub-Station	245.98	303.34	384.88	430.42	604.89	1,969.51
PTR Addition	12.62	19.77	33.76	43.56	56.66	166.37
PTR Augmentation	11.46	15.67	17.72	25.28	33.41	103.54
Feeder Addition	0.85	1.77	4.03	6.16	8.89	21.70
DTR Addition	684.45	754.66	832.32	917.26	1,010.30	4,198.99
Total	955.36	1,095.21	1,272.71	1,422.68	1,714.15	6,460.11

Table 2-41: Base Capex plan for 5th Control Period by TSSPDCL (Rs. Cr.)

Network Elements	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	Total 5 th CP
Sub-Station	521.34	582.73	615.79	655.69	731.93	3,107.48
PTR Addition	9.71	10.84	12.06	14.11	17.07	63.79
PTR Augmentation	50.44	53.32	56.35	60.50	66.84	287.45
Feeder Addition	3.19	4.67	7.67	10.92	5.59	32.04
DTR Addition	969.23	1,067.87	1,176.51	1,296.62	1,429.10	5,939.33
Total	1,553.91	1,719.43	1,868.38	2,037.84	2,250.53	9,430.09

Table 2-42: Base Capex plan for 6th Control Period by TSNPDCL (Rs. Cr.)

Network Elements	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34	Total 6 th CP
Sub-Station	471.06	505.44	508.76	575.61	601.00	2,661.87
PTR Addition	45.52	48.50	52.99	57.29	60.89	265.19
PTR Augmentation	22.07	25.50	28.47	32.30	35.60	143.94
Feeder Addition	2.58	3.80	6.00	9.00	10.17	31.55
DTR Addition	938.25	1,027.51	1,125.33	1,232.71	1,351.20	5,675.00
Total	1,479.48	1,610.75	1,721.55	1,906.91	2,058.86	8,777.55

Table 2-43: Base Capex plan for 6th Control Period by TSSPDCL (Rs. Cr.)

Network Elements	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34	Total 6 th CP
Sub-Station	768.98	834.92	847.80	892.24	941.77	4,285.71
PTR Addition	25.57	28.53	30.33	36.40	39.05	159.88
PTR Augmentation	82.16	85.92	94.96	102.82	113.28	479.14
Feeder Addition	6.27	9.39	15.05	21.66	10.26	62.63
DTR Addition	1,374.21	1,402.46	1,655.01	1,695.54	2,128.82	8,256.04
Total	2,257.19	2,361.22	2,643.15	2,748.66	3,233.18	13,243.40

2.2.25 The details of Other Capital Expenditure that the TSDISCOMs are expected to incur for the 5th Control Period and 6th Control Period is as follows:

Table 2-44: Other Capex plan for 5th Control Period by TSNPDCL (Rs. Cr.)

Investment Area	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	Total
AT & C Loss Reduction	23.20	10.50	12.50	15.50	12.30	74.00
Conversion of S-Ph to 3-Ph AGL DTRs	17.50	0.50	0.50	0.50	0.50	19.50
Replacing OH line with UG cables	1.50	2.50	2.50	3.00	3.00	12.50
Replacement of existing 34 sq.mm. conductor with 55 sq. mm. conductor (3-Ph)	4.20	7.50	9.50	12.00	8.80	42.00
Reliability Improvement & Contingency Schemes	56.63	82	96.43	97.85	104.1	437.00
Reconductoring of lines (55 sq.mm. conductor with 100 sq.mm. conductor)	2.50	4.00	5.00	4.50	5.00	21.00
Covered Conductor	2.50	5.00	7.50	9.00	9.00	33.00
Provision of alternate supply at 33 KV for consumers	3.78	9.00	11.33	10.95	4.95	40.00
Addition of 33KV lines	3.63	8.70	10.88	10.65	4.53	38.38
No. of Bays	0.15	0.30	0.45	0.30	0.43	1.63
Replacement of existing 100 sq.mm. conductor with higher size of conductor in 33 KV lines	0.50	1.50	2.00	0.75	0.25	5.00
Provision of alternate supply at 11 KV for consumers	12.35	15.00	18.10	20.15	27.40	93.00
Addition of 11KV line	12.00	14.50	17.50	19.50	26.50	90.00
No. of Bays	0.35	0.50	0.60	0.65	0.90	3.00
Provision of alternate supply for LT consumers (Addition of LT line)	27.50	35.00	40.00	42.50	50.00	195.00

Investment Area	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	Total
Replacement of damaged LT AB cable in SC/ST habitations	7.50	12.50	12.50	10.00	7.50	50.00
Renovation & Modernization	59.75	88.38	117.00	145.63	174.25	585.00
R&M of Sub-station	5.25	7.88	10.50	13.13	15.75	52.50
VCBs in Sub-station	0.38	0.56	0.75	0.94	1.13	3.75
33 kV Line	27.50	41.25	55.00	68.75	82.50	275.00
11kV Line	13.08	19.61	26.15	32.69	39.23	130.75
DTR	6.30	9.45	12.60	15.75	18.90	63.00
LT line	1.25	1.87	2.50	3.12	3.75	12.50
PTRs	3.00	4.50	6.00	7.50	9.00	30.00
Safety Equipment	3.00	3.25	3.50	3.75	4.00	17.50
Technology Upgradation	62.75	63.75	64.75	66.00	67.70	324.95
Automation of Sub-stations	7.50	8.00	8.50	9.00	10.00	43.00
GIS mapping	7.50	7.50	7.50	7.50	7.50	37.50
WAN	1.00	1.00	1.00	1.00	1.00	5.00
SCADA/DMS	30.00	30.00	30.00	30.00	30.00	150.00
Hardware refresh, SAP upgradation Data Analyses tools, Dashboard, Outage Management System (OMS), PTR Monitoring system, Load flow analysis, etc.	15.00	15.00	15.00	15.00	15.00	75.00
Administrative support (Computers and printers)	1.75	2.25	2.75	3.50	4.20	14.45
New Consumer Capex	118.00	125.08	132.58	140.54	148.97	665.18
33 kV line for new consumer (cluding LI schemes)	0.08	0.08	0.09	0.10	0.10	0.45
Consumer Meters	20.58	21.81	23.12	24.51	25.98	116.01
LT 1-Phase Meters	18.07	19.15	20.30	21.52	22.81	101.86
LT 3-Phase Meters	1.70	1.80	1.90	2.02	2.14	9.55
LT CT Meters	0.82	0.86	0.92	0.97	1.03	4.59
HT metering Net (Meter cost including CT/PT)	1.94	2.06	2.18	2.31	2.45	10.94
Infrastructure required for AGL	95.40	101.12	107.19	113.62	120.44	537.78
Civil Infrastructure Development	23.40	23.40	23.40	23.40	23.40	117.00
Construction of Office Buildings	20.00	20.00	20.00	20.00	20.00	100.00
Administrative Support (furniture)	3.40	3.40	3.40	3.40	3.40	17.00
Capacitor Bank	17.00	17.00	17.00	17.00	17.00	85.00
2/1 MVAR Capacitor Bank	15.00	15.00	15.00	15.00	15.00	75.00
600 kVAR Line Capacitor	2.00	2.00	2.00	2.00	2.00	10.00
AGL Feeder Segregation	78.75	112.50	157.50	225.00	216.00	789.75
Total Other Capex for TSNPDCL	439.48	522.61	621.16	730.91	763.72	3077.88

Table 2-45: Other Capex plan for 5th Control Period by TSSPDCL (Rs. Cr.)

Investment Area	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	Total
AT & C Loss Reduction	35.83	35.45	34.09	33.77	22.44	161.58
Meter Replacement (installation of High-Quality meters)	23.50	22.50	20.50	19.50	7.45	93.45

Investment Area	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	Total
Replacement of existing 35 sq.mm. conductor with 55 sq.mm. conductor and 20sqmm with 34sqmm	12.33	12.95	13.59	14.27	14.99	68.13
Reliability Improvement & Contingency Schemes	337.18	436.98	458.82	481.77	505.85	2220.60
Auto-reclosures	0.00	25.30	26.57	27.90	29.29	109.06
Sectionalisers	0.00	28.11	29.52	31.00	32.55	121.17
3-way RMUs (SCADA Compatible)	0.00	21.09	22.14	23.25	24.41	90.88
Fault Passage Indicators (SCADA compatible)	0.00	8.43	8.86	9.30	9.76	36.35
Reconductoring of lines	1.21	1.27	1.33	1.40	1.47	6.69
Replacing OH line with UG cables	7.86	8.25	8.66	9.09	9.55	43.41
Provision of alternate supply at 33 kV level	31.24	32.80	34.44	36.16	37.97	172.61
Addition of 33 kV lines	27.27	28.64	30.07	31.57	33.15	150.70
Bays -33 kV	3.96	4.16	4.37	4.59	4.82	21.91
Provision of alternate supply at 11KV level	116.25	122.06	128.16	134.57	141.30	642.35
Addition of 11kV line	115.96	121.76	127.84	134.24	140.95	640.74
Bays -11 kV	0.29	0.30	0.32	0.34	0.35	1.60
Provision of alternate supply LT voltage	180.63	189.66	199.14	209.10	219.55	998.08
Addition of LT line	180.63	189.66	199.14	209.10	219.55	998.08
Renovation & Modernization	15	16.28	17.71	19.31	21.090	89.39
R & M of existing assets	12.71	13.88	15.19	16.66	18.30	76.73
R & M of SS	7.35	7.71	8.10	8.51	8.93	40.60
R & M of civil infrastructure (Office buildings/ furniture)	5.36	6.16	7.09	8.15	9.37	36.13
Proposed Retirement of existing assets	2.29	2.41	2.53	2.65	2.78	12.66
33/11kV SS	0.00	0.00	0.00	0.00	0.00	0.00
33 kV line	0.00	0.00	0.00	0.00	0.00	0.00
11 kV line	0.00	0.00	0.00	0.00	0.00	0.00
DTR	2.29	2.41	2.53	2.65	2.78	12.66
LT line	0.00	0.00	0.00	0.00	0.00	0.00
New Consumer Capex	198.18	214.09	230.29	246.81	263.65	1153.02
Network additions for release of new service connections	80.00	90.00	100.00	110.00	120.00	500.00
-33 kV line for new consumer (including LI schemes)	80.00	90.00	100.00	110.00	120.00	500.00
- Service Wire	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Meters	118.18	124.09	130.29	136.81	143.65	653.02
- LT meters	62.98	66.13	69.44	72.91	76.55	348.00
HT metering set (Meter cost including CT/PT)	55.20	57.96	60.86	63.90	67.1	305.01
Other Schemes	0.00	0.00	0.00	0.00	0.00	0.00
Civil Infrastructure Development	3.32	3.25	3.91	1.92	2.37	14.77
Construction of Office buildings	3.09	2.99	3.62	1.59	2.01	13.29
Furniture	0.17	0.19	0.21	0.23	0.25	1.05
AC's	0.07	0.08	0.09	0.10	0.11	0.44
Administrative Support (Computers)	0.00	0.00	0.00	0.00	0.00	0.00

Investment Area	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	Total
Technology Upgradation	37.85	28.02	18.46	21.43	11.84	117.6
Automation of Substations	5.00	5.25	5.51	5.79	6.08	27.63
GIS mapping	0.04	0.04	0.04	0.04	0.05	0.21
WAN	25.2	2.00	2.00	2.50	2.50	34.2
AMR solutions	0.61	0.73	0.91	1.1	1.22	4.57
SCADA Control centre (new)	6.00	0.00	0.00	0.00	0.00	6.00
ERP/IT applications	1.00	20.00	10.00	12.00	2.00	45.00
Land Cost for SS	58.38	83.35	114.37	128.55	141.73	526.38
Road Cutting Cost (Cables for SS)	3.66	3.84	4.84	5.93	6.54	24.80
AGL Feeder Segregation	225.00	250.00	300.00	350.00	360.00	1485.00
Total	914.40	1071.26	1182.51	1289.48	1335.50	5793.15

Table 2-46: Other Capex plan for 6th Control Period by TSNPDCL (Rs. Cr.)

Investment Area	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34	Total
AT & C Loss Reduction	23.20	10.50	12.50	15.50	12.30	74.00
Conversion of S-Ph to 3-Ph AGL DTRs	17.50	0.50	0.50	0.50	0.50	19.50
Replacing OH line with UG cables	1.50	2.50	2.50	3.00	3.00	12.50
Replacement of existing 34 sq.mm. conductor with 55 sq.mm. conductor (3-Ph)	4.20	7.50	9.50	12.00	8.80	42.00
Reliability Improvement & Contingency Schemes	56.63	82.00	96.43	97.85	104.10	437.00
Reconductoring of lines (55 sq.mm. conductor with 100 sq.mm. conductor)	2.50	4.00	5.00	4.50	5.00	21.00
Covered Conductor	2.50	5.00	7.50	9.00	9.00	33.00
Provision of alternate supply at 33 kV for consumers	3.78	9.00	11.33	10.95	4.95	40.00
Addition of 33 kV lines	3.63	8.70	10.88	10.65	4.53	38.38
No. of Bays	0.15	0.30	0.45	0.30	0.43	1.63
Replacement of existing 100 sq.mm. conductor with higher size of conductor in 33 kV lines	0.50	1.50	2.00	0.75	0.25	5.00
Provision of alternate supply at 11 kV for consumers	12.35	15.00	18.10	20.15	27.40	93.00
Addition of 11 kV line	12.00	14.50	17.50	19.50	26.50	90.00
No. of Bays	0.35	0.50	0.60	0.65	0.90	3.00
Provision of alternate supply for LT consumers (Addition of LT line)	27.50	35.00	40.00	42.50	50.00	195.00
Replacement of damaged LT AB cable in SC/ST habitations	7.50	12.50	12.50	10.00	7.50	50.00
Renovation & Modernization	59.75	88.38	117.00	145.63	174.25	585.00
R&M of Sub-station	5.25	7.88	10.50	13.13	15.75	52.50
VCBs in Sub-station	0.38	0.56	0.75	0.94	1.13	3.75
33 kV Line	27.50	41.25	55.00	68.75	82.50	275.00
11 kV Line	13.08	19.61	26.15	32.69	39.23	130.75
DTR	6.30	9.45	12.60	15.75	18.90	63.00
LT line	1.25	1.87	2.50	3.12	3.75	12.5
PTRs	3.00	4.50	6.00	7.50	9.00	30.00

Investment Area	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34	Total
Safety Equipment	3.00	3.25	3.50	3.75	4.00	17.50
Technology Upgradation	62.75	63.75	64.75	66.00	67.70	324.95
Automation of Sub-stations	7.50	8.00	8.50	9.00	10.00	43.00
GIS mapping	7.50	7.50	7.50	7.50	7.50	37.50
WAN	1.00	1.00	1.00	1.00	1.00	5.00
SCADA/DMS	30.00	30.00	30.00	30.00	30.00	150.00
Hardware refresh, SAP upgradation Data Analyses tools, Dashboard, Outage Management System (OMS), PTR Monitoring system, Load flow analysis, etc.	15.00	15.00	15.00	15.00	15.00	75.00
Administrative support (Computers and printers)	1.75	2.25	2.75	3.50	4.20	14.45
New Consumer Capex	118.00	125.08	132.58	140.54	148.97	665.18
33 kV line for new consumer (including LI schemes)	0.08	0.08	0.09	0.10	0.10	0.45
Consumer Meters	20.58	21.81	23.12	24.51	25.98	116.01
LT 1-Phase Meters	18.07	19.15	20.30	21.52	22.81	101.86
LT 3-Phase Meters	1.70	1.80	1.90	2.02	2.14	9.55
LT CT Meters	0.82	0.86	0.92	0.97	1.03	4.59
HT metering Net (Meter cost including CT/PT)	1.94	2.06	2.18	2.31	2.45	10.94
Infrastructure required for AGL	95.4	101.12	107.19	113.62	120.44	537.78
Civil Infrastructure Development	30.00	30.00	30.00	30.00	30.00	150.00
Construction of Office Buildings	30.00	30.00	30.00	30.00	30.00	150.00
Administrative Support (furniture)	0.00	0.00	0.00	0.00	0.00	0.00
Capacitor Bank	17.00	17.00	17.00	17.00	17.00	85.00
2/1 MVAR Capacitor Bank	15.00	15.00	15.00	15.00	15.00	75.00
600 kVAR Line Capacitor	2.00	2.00	2.00	2.00	2.00	10.00
AGL Feeder Segregation	96.25	137.50	192.50	275.00	264.00	965.25
Total Other Capex for TSNPDCL	463.58	554.21	662.76	787.51	818.32	3286.38

Table 2-47: Other Capex plan for 6th Control Period by TSSPDCL (Rs. Cr.)

Investment Area	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34	Total
AT & C Loss Reduction	15.74	16.52	17.35	18.22	19.13	86.96
Meter Replacement (installation of High-Quality meters)	0.00	0.00	0.00	0.00	0.00	0.00
Replacement of existing 35 sq.mm. conductor with 55 sq.mm. conductor and 20sqmm with 34sqmm	15.74	16.52	17.35	18.22	19.13	86.96
Reliability Improvement & Contingency Schemes	531.15	557.70	585.59	614.87	645.61	2934.92
Auto-reclosures	30.76	32.29	33.91	35.60	37.38	169.94
Sectionalisers	34.17	35.88	37.68	39.56	41.54	188.82
3-way RMUs (SCADA compatible)	25.63	26.91	28.26	29.67	31.15	141.62
Fault Passage Indicators (SCADA compatible)	10.25	10.76	11.30	11.87	12.46	56.65
Reconductoring of lines	1.54	1.62	1.70	1.79	1.88	8.53

Investment Area	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34	Total
Replacing OH line with UG cables	10.03	10.53	11.05	11.61	12.19	55.40
Provision of alternate supply at 33 kV level	39.87	41.86	43.95	46.15	48.46	220.29
Addition of 33 kV lines	34.81	36.55	38.38	40.29	42.31	192.34
Bays -33 kV	5.06	5.31	5.58	5.86	6.15	27.96
Provision of alternate supply at 11 kV level	148.37	155.78	163.57	171.75	180.34	819.82
Addition of 11 kV line	148.00	155.40	163.17	171.32	179.89	817.77
Bays -11 kV	0.37	0.39	0.41	0.43	0.45	2.05
Provision of alternate supply LT voltage	230.53	242.06	254.16	266.87	280.21	1273.83
Addition of LT line	230.53	242.06	254.16	266.87	280.21	1273.83
Renovation & Modernization	22.61	24.26	26.04	27.96	30.05	130.91
R & M of existing assets	19.69	21.19	22.81	24.58	26.49	114.76
R & M of SS	9.38	9.85	10.34	10.85	11.40	51.81
R & M of civil infrastructure (Office buildings/ furniture)	10.31	11.34	12.48	13.72	15.10	62.94
Proposed Retirement of existing assets	2.92	3.07	3.22	3.38	3.55	16.15
33/11 kV SS	0.00	0.00	0.00	0.00	0.00	0.00
33 kV line	0.00	0.00	0.00	0.00	0.00	0.00
11 kV line	0.00	0.00	0.00	0.00	0.00	0.00
DTR	2.92	3.07	3.22	3.38	3.55	16.15
LT line	0.00	0.00	0.00	0.00	0.00	0.00
New Consumer Capex	280.83	298.37	316.29	334.61	353.34	1583.44
Network additions for release of new service connections	130.00	140.00	150.00	160.00	170.00	750.00
-33 kV line for new consumer (including LI schemes)	130.00	140.00	150.00	160.00	170.00	750.00
- Service Wire						0
Consumer Meters	150.83	158.37	166.29	174.61	183.34	833.44
- LT meters	80.38	84.40	88.62	93.05	97.70	444.15
- HT metering set (Meter cost including CT/PT)	70.45	73.97	77.67	81.56	85.63	389.28
Other Schemes	0.00	0.00	0.00	0.00	0.00	0.00
Civil Infrastructure Development	3.38	2.44	1.96	2.01	3.46	13.25
Construction of Office buildings	2.99	2.01	1.49	1.49	2.88	10.85
Furniture	0.28	0.31	0.34	0.37	0.41	1.70
AC's	0.12	0.13	0.14	0.16	0.17	0.71
Administrative Support (Computers)	0.00	0.00	0.00	0.00	0.00	0.00
Technology Upgradation	12.23	39.56	36.39	26.75	27.12	142.05
Automation of Substations	6.38	6.70	7.04	7.39	7.76	35.26
GIS mapping	0.05	0.05	0.05	0.06	0.06	0.26
WAN	3.00	30.00	4.00	4.00	4.00	45.00
AMR solutions	0.31	0.31	0.31	0.31	0.31	1.53
SCADA Control centre (new)						0
ERP/IT applications	2.50	2.50	25.00	15.00	15.00	60.00
Land Cost for SS	85.23	93.97	103.60	114.22	125.92	522.93
Road Cutting Cost (Cables for SS)	4.67	5.15	5.67	6.26	6.90	28.64
AGL Feeder Segregation	0.00	0.00	0.00	0.00	0.00	0.00
Total	955.84	1037.97	1092.89	1144.88	1211.52	5443.10

k) Summary of Investments:

2.2.26 TSDISCOMs have submitted the capital expenditure for 5th Control Period and 6th Control Period which are as follows:

Table 2-48: Total Capex of TSNPDCL for 5th Control Period (Rs. Cr.)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	Total
Base Capex	955.36	1,095.22	1,272.71	1,422.67	1,714.15	6,460.12
Other Capex	439.48	522.61	621.16	730.91	763.72	3,077.88
Total Capex	1,394.84	1,617.83	1,893.87	2,153.59	2,477.88	9,538.00

Table 2-49 : Total Capex of TSSPDCL for 5th Control Period (Rs. Cr.)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	Total
Base Capex	1,553.93	1,719.43	1,868.38	2,037.84	2,250.53	9,430.11
Other Capex	914.40	1,071.26	1,182.51	1,289.48	1,335.51	5,793.15
Total Capex	2,468.32	2,790.69	3,050.89	3,327.32	3,586.04	15,223.23

Table 2-50: Total Capex of TSNPDCL for 6th Control Period (Rs. Cr.)

Particulars	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34	Total
Base Capex	1,479.48	1,610.75	1,721.55	1,906.9	2,058.85	8,777.54
Other Capex	463.58	554.21	662.76	787.51	818.32	3,286.38
Total Capex	1,943.06	2,164.95	2,384.31	2,694.41	2,877.18	12,063.91

Table 2-51 : Total Capex of TSSPDCL for 6th Control Period (Rs. Cr.)

Particulars	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34	Total
Base Capex	2,257.19	2,361.21	2,643.14	2,748.66	3,233.19	13,243.39
Other Capex	955.84	1,037.97	1,092.89	1,144.88	1,211.52	5,443.10
Total Capex	3,213.02	3,399.18	3,736.03	3,893.55	4,444.70	18,686.49

2.2.27 Capital Expenditure and Capitalization proposed by TSDISCOMs for 5th Control Period is shown below:

Table 2-52: Capex and Capitalization for 5th Control Period by TSNPDCL (Rs. Cr.)

Description	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Opening Balance of Capital Work in Progress (CWIP)	503.38	552.08	610.29	714.56	794.07	883.07	976.40
Capital Expenditure during the year	513.58	630.32	1,394.84	1,617.83	1,893.87	2,153.59	2,477.88
Expenses Capitalized	50.71	54.36	106.70	110.50	111.29	110.07	110.39
Interest during Construction	32.26	43.50	103.08	117.18	120.69	128.12	129.82
Transfer of fixed assets	547.85	669.97	1,500.35	1,765.56	2,036.84	2,298.45	2,629.81
Closing CWIP	552.08	610.29	714.56	794.07	883.07	976.40	1064.68

Table 2-53: Capex and Capitalization for 5th Control Period by TSSPDCL (Rs. Cr.)

Description	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Opening Balance of Capital Work in Progress (CWIP)	1,087.92	1,080.43	1,072.78	1,060.21	1,045.99	1,030.46	1,013.52
Capital Expenditure during the year	1,471.55	1,500.98	2,468.32	2,790.69	3,050.89	3,327.32	3,586.03
Expenses Capitalized	110.91	113.12	186.03	210.32	229.94	250.77	270.27
Interest during Construction	16.85	17.19	28.26	31.95	34.94	38.11	41.07
Transfer of fixed assets	1,606.80	1,638.94	2,695.18	3,047.18	3,331.30	3,633.14	3,915.64
Closing CWIP	1,080.43	1,072.79	1,060.22	1,046.01	1,030.47	1,013.52	995.25

l) Consumer contribution and Grants:

2.2.28 TSDISCOMs have submitted the consumer contribution and grants considered for 5th Control Period shown as follows:

Table 2-54: Consumer contribution and Grants claimed for 5th Control Period by TSNPDCL (Rs. Cr.)

Description	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Opening Balance of Capital Work in Progress (CWIP)	2,189.95	2,477.64	2,758.05	3,074.35	3,516.30	4,077.56	4,711.15
Additions during the year	390.14	401.46	426.98	555.64	676.94	750.93	810.67
Deductions during the year	102.45	121.05	110.68	113.69	115.68	117.34	119.62
Closing Balance	2,477.64	2,758.05	3,074.35	3,516.30	4,077.56	4,711.15	5,402.20

Table 2-55: Consumer contribution and Grants claimed for 5th Control Period by TSSPDCL (Rs. Cr.)

Description	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Opening Balance of Capital Work in Progress (CWIP)	4,323.66	4,809.91	5,305.88	5,811.77	6,327.78	6854.10	7,390.96
Additions during the year	868.47	885.83	903.55	921.62	940.05	958.86	978.03
Deductions during the year	382.22	389.86	397.66	405.61	413.73	422.00	430.44
Closing Balance	4,809.91	5,305.88	5,811.77	6,327.78	6,854.10	7,390.96	7,938.55

m) Financing of Investments: TSDISCOMs have submitted the financing of investment proposed for 5th Control Period shown as follows:

Table 2-56: Financing of Investment by TSNPDCL in 5th Control Period (Rs. Cr.)

Description	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Capital Expenditure	513.58	630.32	1,394.84	1,617.83	1,893.87	2,153.59	2,477.88

Description	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Grants	390.14	401.49	426.98	555.64	676.94	750.93	810.67
Capital Expenditure other than grants to be incurred for respective year	123.44	228.83	967.86	1,062.19	1,216.93	1,402.66	1,667.21

Table 2-57 : Financing of Investment by TSSPDCL in 5th Control Period (Rs. Cr.)

Description	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Capital Expenditure	1,471.55	1,500.98	1,531.00	1,561.62	1,592.85	1,624.71	1,657.20
Grants	868.47	885.83	903.55	921.62	940.05	958.86	978.03
Capital Expenditure other than grants to be incurred for respective year	603.08	615.15	627.45	640.00	652.80	665.85	679.17
Planned loan/debt portion of capital expenditure	397.13	613.35	625.62	638.13	650.90	663.85	677.19
Planned equity portion of capital expenditure	205.95	1.80	1.83	1.87	1.90	1.94	1.98

Chapter 3

Objections on TSDISCOMs Filings

3.1 OBJECTIONS/SUGGESTIONS/COMMENTS MADE ON FILINGS

3.1.1 In response to the public notice, individuals/entities (refer **Annexure-I**) submitted their objections/suggestions/comments to which TSDISCOMs furnished replies before the due date.

3.1.2 The issue-wise objections /comments /suggestions /requests received from individuals /entities /other stakeholders, replies furnished by Petitioners and analysis by the Commission are summarised below:-

3.1.3 Past Performance

Stakeholders' Submissions

3.1.3.1 The licensees should have made and submitted an analysis of the load forecast, etc., approved by the Commission for the 4th Control Period, actual position, reasons for variations, etc. It would have given a clear picture as to the correctness or otherwise of the load forecast, etc., approved by the Commission vis-a-vis ground reality, whether the utilities and the Commission followed the approved load forecast, etc., if any deviations took place, whether they were justified and the consequences thereof. The Commission should examine the projected load forecast, etc., for the 5th Control Period and 6th Control Period, keeping in view the experiences during the 4th Control Period for taking appropriate decisions for the 5th Control Period and 6th Control Period. It is all the more imperative in view of the fact that during the 4th Control Period, the TSDISCOMs have been facing a situation full of imbalances, with availability of substantial surplus power, purchasing unwarranted renewable energy, paying hefty fixed charges for backing down thermal power declared to be available to purchase must-run RE, purchasing power in the open market and through Exchanges, imposing thousands of Crores of Rupees on the consumers in the form of true-up charges or borne by the GoTS, in addition to annual tariff hikes.

Petitioners' Replies

3.1.3.2 The suggestion regarding analysis of load forecast is noted. However, the

current Resource Plan is prepared in accordance with the relevant Guidelines issued by the Commission.

Commission's View

- 3.1.3.3 The concerns and responses submitted respectively by the Stakeholders and Petitioners, are noted by the Commission and accordingly the Load Forecast, Power Purchase and Capital Investment Plans have been determined for the Petitioners for 5th Control Period and 6th Control Period.

3.1.4 Analogy for Load Forecast and Resource Plannings

Stakeholders' Submissions

- 3.1.4.1 Guidelines for load forecasts, resource plans and power procurement issued in December 2006 by APERC and adopted by the Commission rightly underline the imperative of ensuring "an adequate, safe, and economical supply of electricity to the consumers". In other words, the following points, among others, should be the objectives of load forecast, and resource and investment plans of the licensees:

- a) Adequate, reliable and safe supply of least-cost power to the consumers.
- b) Ideal mix of power in tune with fluctuating demand curve, daily and seasonal, to see that it leads to availability of the lowest possible quantum of surplus power and need for backing down the same to the extent practicable, technically and economically.
- c) Resource plans and investment plans should ensure timely completion of required and permitted works with prudent expenditure based on realistic norms to be decided by the ERCs linked to market trends and real competitive bidding.
- d) ERCs are expected to do prudence check based on market trends, how bidding process is being adopted by the licensees, how bidders are being selected, whether prudent norms are being adopted to ensure lowest possible expenditure/prices. This process should be transparent, by holding public hearings and making details of all such transactions public periodically.

Petitioners' Replies

- 3.1.4.2 The Petitioner has submitted as under:
- a) TSDiscoms have always tried and are trying to maintain the adequate, reliable and affordable supply of power by ensuring supply from sufficient long-term supply tie-ups with Central Generating Stations, Telangana

State GENCO's (Thermal & Hydro), Non-Conventional Sources of Energy, Independent Power Producers. There are also expected generating capacity additions during the 5th Control Period and 6th Control Period in order to ensure sufficient supply for increasing number of consumers and connected load.

- b) The TSDiscoms have tried to ensure ideal mix of power by tying up long-term capacity with thermal and hydro to serve base load capacity. Further, in order to reduce variability of renewable power sources, bundling them with thermal power sources has also been ensured. Purchase from renewable sources has also been ensured to slowly increase the renewable capacity in the State's portfolio. Purchases from Power Exchanges are considered only for limited period and limited quantum.
- c) TSDiscoms have always complied and will comply with the Commission's capital expenditure norms and guidelines ensuring transparency.
- d) The bidding process for procurement is carried out in a transparent manner and in accordance with procurement policy and conventional best practices. Further, TSDiscoms shall abide by the directions given by the Commission.

Commission's View

- 3.1.4.3 The concerns of the stakeholders have been noted by the Commission and accordingly the determination of Resource Plan & Business Plan of the Petitioners for 5th Control Period & 6th Control Period has been undertaken in this Order .

3.1.5 Improvement in Standards of Performance

Stakeholders' Submissions

- 3.1.5.1 Distribution network plans in the Petitions is prepared based on projected growth in demand and generation, loss reduction trajectories and initiatives by Central or State Governments. Since, demand projection is a key driver, the comment on increased rigor in demand forecast gains significance. In addition to expected loss reduction, the expected improvements in reliability (reduction in outage time and restoration time), safety (reduction of accidents), revenue collection (due to metering and billing systems) should also be quantified in the Petitions, so that they can be tracked.

Petitioners' Replies

- 3.1.5.2 It is submitted that the TSDiscoms have noted the objections. However,

quantitative inputs, viz., on reliability, safety, etc., are provided to the Commission as part of SoPs.

Commission's View

3.1.5.3 The Commission has noted the concerns and responses of the Stakeholders and Petitioners, respectively. As per the Licensees' Standard of Performance Regulation, 2016, performance parameters specified for the distribution licensees shall be complied by the Petitioners.

3.1.6 Analogy for Demand Forecast

Stakeholders' Submissions

3.1.6.1 Petitions provide only annual energy, load factor, coincident peak demand and non-coincident peak demand. Using only energy and peak demand data for resource planning may be suitable decades ago, characterized by high base load capacity, and acute power shortage. Today, when the proportion of renewable capacity is on the rise and power shortages do not exist, it is essential to employ better resource planning methods.

3.1.6.2 It is necessary to provide daily load curves for at least typical days in each season for all the years being analysed. It is also necessary to provide load duration curves for all the years. These could be prepared for different scenarios – based on demand growth, penetration of renewable, and growth of market. Such an analysis would help to identify the required base load capacity and peak load/energy requirements, which could be met through market purchase or storage options. It is also important to plan for energy efficiency and demand side management.

Petitioners' Replies

3.1.6.3 As regards the projection of Peak Demand, historic data (hourly demand of each Discom over a period of 5 years) is taken into account to establish the pattern of hourly demand and the pattern is then used to project the future hourly demand using time series analysis. As regards the battery-based storage, it is still at nascent stage and is not economical. It is submitted that TS DISCOMs will ensure the procurement from power plant with economical storage options.

Commission's View

3.1.6.4 The concerns raised by the stakeholders and the response submitted by the Petitioner are noted by the Commission. These issues have been taken into consideration while approving the Power Procurement Plan for the Petitioners.

3.1.7 Capital Investment Plan**Stakeholders' Submissions**

3.1.7.1 For the 5th Control Period, TSSPDCL and TNSPDCL have proposed capital expenditure of Rs.15223.26 Crore and Rs.9538.00 Crore, respectively. The following aspects should be examined before finalizing the proposed plans:

- a) In view of abnormal quantum of surplus power during the 5th Control Period, ranging from the highest 43.24% during FY 2024-25 to the lowest of 15.23% during FY 2028-29, projection work and expenditure related thereto should be examined.
- b) If distribution network is to be strengthened and expanded, it needs to be clarified whether it covers the entire power including abnormal quantum of surplus power projected to be available or is it for requirement of power as per projected peak demand only.
- c) Since sale of surplus power is not projected, any addition of distribution network capacity to cover the surplus power would become idle, thereby imposing unwarranted and avoidable burden on consumers.
- d) If the projections of demand growth, especially for agriculture and lift irrigation schemes for the 5th Control Period do not materialize, it will lead to increase in availability of surplus power and need for backing down the same and paying fixed charges thereon. In addition, idle capacity of distribution network would entail avoidable expenditure and burden on consumers.

3.1.7.2 Further, the DISCOMs have argued that availability of the projected abnormal quantum of surplus power during the 5th Control Period is subject to (1). Projected sales from I&CAD for the Lift Irrigation Schemes for 5th Control Period and 6th Control Period; (2). Delay in Commissioning of new Generating Stations; and (3). Variation of Actual PLF when compared to Normative. Going by the experience during the 4th Control Period, it is clear that such variations

might not be foreseen in advance and that long-term load forecasts, procurement plans, etc., need to be prepared based on the situation, estimates and schedules prevailing at that point of time. Therefore, it is clear that projections for the 5th Control Period need to be made considering the experience during the earlier Control Period, including the factors that led to variations in the projections made earlier for that period, likely variations in such factors during the 5th Control Period and new factors that can be considered with a sufficient degree of approximation to reality. Having submitted the subject plans, etc., to the Commission relating to the 5th Control Period and 6th Control Periods, the DISCOMs are now trying to show that the projected surplus may not become a reality during the 5th Control Period based on the hypothetical variations, which the DISCOMs have articulated in their replies, which is untenable. Have the factors considered by the DISCOMs at the time of preparing and submitting the subject plans undergone any perceptible and substantive metamorphosis by the time they have given their latest responses to the submissions.

Petitioners' Replies

- 3.1.7.3 The Capital Expenditure proposed for 5th Control Period is based on various factors including existing loading conditions of network infrastructure, present loads/peak loads and future addition of expected loads.
- 3.1.7.4 The proposed investment is also connected with the commitment of the TSDiscoms to provide quality and reliable power supply in its area of jurisdiction with minimum possible interruptions/faults. The aim is also to improve safety, minimize losses and further enhance customer services with implementation of required IT/OT platforms. Further, the existing system needs to be renovated and modernized simultaneously to cater to the needs of the consumer and further improve the sustainability of the organization.
- 3.1.7.5 It is to be understood that the Commission approves the capital expenditure for a particular Control Period and TSDISCOMs will plan investment and actual implementation as per the requirement in a phased manner. Accordingly, the capex investment is regularly reviewed and optimized as per the necessity.

- 3.1.7.6 Also, it is to be noted that the projection of distribution network capacity is not being impacted by the surplus power and the requirement of capex investment is regularly reviewed and optimized as per the necessity.
- 3.1.7.7 As regards the demand growth of agricultural and lift irrigation schemes, it is submitted that the projection of agricultural sales has been done by considering the nominal growth rates and accordingly it is expected that the planned network infrastructure shall take care of the demand variation, if any, without burdening the consumers. Further, the projection of lift irrigation sales has been done considering the historical actuals along with growth rates (unlike the earlier approach of relying on the submissions made by I& CAD Department) and considering the same. Further, it is to be noted that the infrastructure planning for lift irrigation schemes is done at 132 kV only.
- 3.1.7.8 As regards surplus power and likely variations in load forecast and power procurement plans, TS Discoms always strive to match the demand to supply of the State with the objective to provide reliable 24x7 supply to the consumers of the State. Considering the above objective, TSDiscoms in the Resource Plan filings have projected the energy demand and energy availability considering the factors that led to variations in the projections made earlier and new factors, which might have impact on energy balance of the State. However, as regards the projection of energy availability, TSDiscoms have projected the availability considering the normative availability as per respective PPA's or Regulations.

Commission's View

- 3.1.7.9 The Commission has noted the concerns of stakeholders and response submitted by the Petitioners regarding surplus power, load forecast plan and power procurement plan. It is to be noted that the distribution network planning is conducted based on the peak load condition of the distribution network. Detailed analysis related to sales forecast, load forecast, power procurement plan and capital investment plan has been elaborated in the relevant sections of the Order.

3.1.8 Scrutiny of Tendering Process

Stakeholders' Submissions

3.1.8.1 The regulatory process by the Commission should not facilitate concealing of relevant information from public gaze. The consumers of power at large are entitled to know the reality as it is, and will be bearing all the burden relating to the expenditures being made and proposed to be incurred by the power utilities of GoTS and approved by the Commission. The prudence check by the Commission should cover the process of tendering, the terms and conditions for selection of bidders for purchases being made by the power utilities of the State Government and prices and charges being finalized by them. The TSDISCOMs have added certain percentage of escalation of costs for various purchases based on wholesale price index and consumer price index every year. It is not known whether the Commission has made any prudence check of actual expenditure incurred by the TSDISCOMs, the procedures followed by them for calling tenders, their terms and conditions, how the bidders were selected and the prices paid for various items, their need and justifiability, actual market trends, etc., during the 4th Control Period.

Petitioners' Replies

3.1.8.2 With regard to the purchase of materials, it is to be noted that the tenders will be floated in the government e-procurement platform for purchases of any major materials. The selection of successful bidders is done only after conducting the competitive bidding ensuring that only qualified bidders are selected and the results of the competitive bidding are also uploaded on the website for the transparency of the process.

Commission's View

3.1.8.3 The Commission has taken note of the submission of the Stakeholders and the Petitioners.

3.1.9 Metering Plan

Stakeholders' Submissions

3.1.9.1 In its Business Plan, TSSPDCL has proposed, inter-alia, that "2.3.2 Consumer Metering. As per Gazette notification Dated: 17.08.2021, it is mandated that all the meters (other than Agriculture Consumers) are to be replaced with

Prepaid Smart Meters by the Year' 2025 in a phased manner for which GoI grant is 15% of the cost of the Meter (Limited to Rs.900/- per meter). Accordingly, a draft DPR for Smart Prepaid Metering for Consumers (excluding Agriculture Consumers) and System Metering under RDSS has been prepared and is to be approved by Distribution Reforms Committee (DRC) and also by the Telangana State Cabinet for final approval by MoP, GoI. The Distribution Reforms Committee (DRC) and District Electricity Committee (DEC) submitted proposals to Energy Department, GoTS for which approval is under process. The licensee shall take up the implementation of Smart Metering as soon as it receives the funding.”

- 3.1.9.2 “2.3.3 Agricultural DTR Metering. As per the Commission’s directive in RST Order for FY 2023-24, the licensee is directed to achieve 100% Agricultural DTR metering within a period of twelve (12) months. In this regard, the licensee submits that the metering arrangements for Distribution Transformers was already proposed under RDSS in which metering to Agriculture Distribution Transformers was also covered. The proposal of TSSPDCL under RDSS was submitted to the Nodal Agency for which the concurrence of GoTS is required. In this regard, a letter was addressed to the office of Chief Minister from the Energy Department for approval. Upon approval from GoTS, the work of providing meters to agriculture Distribution Transformers will be taken up under RDSS scheme.”

Petitioners’ Replies

- 3.1.9.3 No comments, as the stakeholder has only referred to the specific sections of the Business Plan Petitions.

Commission’s View

- 3.1.9.4 The Commission has taken note of the submissions of the stakeholders.

3.1.10 Costing of Pre-Paid Meters

Stakeholders’ Submissions

- 3.1.10.1 TSSPDCL has proposed a capital cost of Rs.348.00 Crore for LT meters and Rs.305.01 Crore for HT meters, while TSNPDCL has proposed Rs.116.01 Crore for LT meters and Rs.10.94 Crore for HT meters during the 5th Control

Period. The basis for these estimates of costs for purchasing pre-paid meters is not clear.

- 3.1.10.2 TSNPDCL has informed that it had already purchased 18812 pre-paid meters and installed 15035 meters in offices of the Government. The procedure followed and terms and conditions for floating tender for procuring these meters adopted by TSNPDCL need to be provided. The cost per meter and annual maintenance charges per meter paid and being paid by TSNPDCL shall be provided.
- 3.1.10.3 If the entire process of calling for tenders, their terms and conditions, finalizing them and giving orders for purchase and maintenance of pre-paid meters is transparent and prudent, the DISCOMs should not avoid revealing of those details. How many prospective bidders participated in the pre-bid meeting, if any, held by the DISCOMs, who are the bidders who actually participated in the bidding and what are the rates quoted by them for sale of pre-paid meters and charges for their annual maintenance? How much amount the DISCOMs are collecting from the consumers and how for installing pre-paid meters, and whether such installation is being carried out with consent of the consumers concerned needs to be explained.
- 3.1.10.4 The DISCOMs have not given the unit cost, including all charges to be paid during the life span of the meter and the details thereof. In the DPR under RDSS for implementation of smart meters sanctioned by PFC Ltd. (nodal agency for implementing RDSS in Andhra Pradesh), it is shown that expected life cycle unit cost for single phase meter and three phase meter is Rs.6000/- only as on 17.3.2022. The substantial variation between the costs indicated by PFC Ltd. and the higher costs for which the DISCOMs purchased the same underlines the need for subjecting the entire process to prudence check.

Petitioners' Replies

- 3.1.10.5 With regard to the capital cost of LT and HT Meters, it is submitted that cost estimates submitted in the referred section are not against the pre-paid meters, but the conventional meters and the cost estimates are based on growth of connections per year multiplied with the meter costs as per the SoR of the TSDiscoms.

- 3.1.10.6 With regard to procurement of pre-paid meters, it is submitted that the procurement of the pre-paid meters is being done by following the standard practice of competitive bidding with the process being done on the e-procurement platform.
- 3.1.10.7 Further, it is submitted that vide GO MS No.1, Dt:03.01.2016, Energy (Budget) Department, Govt. of Telangana decided that all Govt. Departments should have prepaid meters at their own cost w.e.f. 1st April, 2016. In this regard, it is to be noted that the prepaid meters were procured, installed and are being maintained with the cost being borne by the respective departments of GoTS. In view of the above GO, TS Discoms have floated tenders with specification Nos. CGM/P&MM/STN-113/15 and STN-114/15. Pre-bid meeting was conducted on 29.01.2016 and participation from 6 and 7 prospective bidders was seen for three phase and single-phase meters, respectively. The price quotes from all the qualified bidders for Supply, Installation and FMS were matched in the bidding process. Purchase Order for single-phase meters were placed on 3 successful bidders, however, only two parties have supplied the meters and for 3-phase, Purchase Orders were placed on 4 successful bidders, however, only two parties have supplied the meters. The cost of the meter was included in the CC bills of the Government Services, where pre-paid meters were installed and they were allowed to pay the meter cost in three (3) instalments as per the orders contained in the above cited G.O. The DISCOMs have not given the unit cost, including all charges to be paid during the life span of the meter and the details thereof.
- 3.1.10.8 Also, it is submitted that the variation in the prices incurred by TSNPDCL and that of AP Discoms is on account of difference in the timelines of the procurement made by TSNPDCL and that of AP Discoms. It is well known fact that the current cost of the pre-paid meters shall be obviously lesser than that of costs in the year 2016 considering the change in market dynamics, i.e., increase in demand for smart meters as well as increase in number of suppliers, technological evolution, economies of scale, etc.

Commission's View

- 3.1.10.9 The Commission has taken note of the submissions of the stakeholders and the Petitioners.

3.1.11 Implementation of RDSS Scheme

Stakeholders' Submissions

3.1.11.1 The Commission is requested to examine the following points related to pre-paid meters for non-agricultural service connections:

- a) Implementation of RDSS, including installation of pre-paid meters, is to benefit the private operators, who will be permitted to take up power distribution in areas of their choice, as proposed by the GoI.
- b) It is obvious that the purpose of installing pre-paid meters is to force the consumers of power to pay in advance for power to be consumed by them, contrary to the standard practice over the decades of paying power bills monthly/bi-monthly for the power consumed by them.
- c) Allowing private operators to use distribution network of the DISCOMs or rather, forcing the DISCOMs to allow private operators to use their network on lease, with DISCOMs themselves maintaining the network, is nothing but forcing the latter to lose a considerable part of their business, especially cross-subsidizing component, to private operators, who get the opportunity to cherry-pick the consumers.
- d) In respect of pre-paid and post-paid regime for cell-phone and power consumption, the power consumer has to pay for the entire power they consume in a month; they are not allowed to consume any number of units of power during a specified period, by pre-paying a specified amount.
- e) The DISCOMs have a grace period of one month to pay bills to generators/suppliers of power for the power supplied by them and even rebate if they pay before the grace period. Under the existing arrangement, consumers are being given a period of 14 days from the date of issuing the bill for paying their bills for power consumed by them in a month. If payment of monthly bill is delayed, exceeding the due date, penalty is being collected by the DISCOMs, besides disconnecting the service. When such is the case, why should the consumers be forced to pay in advance for power to be consumed by them under the arrangement of pre-paid meters?
- f) As per applicable Regulation, "security deposit amount shall be two

months charges in case of monthly billing and 3 months charges for bimonthly billing.” Then why should the consumers be forced to pay in advance for power to be consumed by them under the arrangement of pre-paid meters?

- g) Payment in advance for power to be consumed by the consumers is nothing but providing investment for private distribution company to purchase power. Private distribution companies need not take loans for their working capital and they can retain the amount paid in advance by the consumers and use as they like till, they have to pay for power purchased by them from generators/suppliers.
- h) The grant component under RDSS is a ruse to impose conditionalities like installation of pre-paid meters to ensure undue benefits to private operators of distribution of power.
- i) The consumers have already spent their money for their existing meters. Forcing them to pay for pre-paid meters is nothing but imposing additional burden on them without any benefit to them.
- j) The scheme of pre-paid meters benefits their manufacturers. Experience in power sector, as elsewhere in other sectors, shows that terms and conditions of bidding can be manipulated to select bidders of their choice.
- k) There will be practical problems to consumers for paying in advance for power to be consumed by them under the system of pre-paid meters. How much amount and how many times they have to pay in a month, keeping track of their consumption recorded in the pre-paid meter to avoid disconnection and mode of such payment will be problematic to the consumers.
- l) Under smart pre-paid meter, if a consumer does not pay after the existing balance exhausts, his service connection will be disconnected automatically. The DISCOMs are unable to disconnect service connections of offices of the government and its instrumentalities and local bodies, whatever be the reasons.
- m) When the GoTS is vehemently and rightly opposing the direction of the GoI for installing meters to all agricultural service connections, why are the

DISCOMs moving in the direction of installing pre-paid smart meters to non-agricultural service connections.

Petitioners' Replies

3.1.11.2 The comments made by the objector are against the policies of Gol. However, the licensees would like to highlight the benefits of smart pre-paid meters:

- a) The licensees shall know the real-time energy consumption, which will be useful in calculation of line losses.
- b) The daily load pattern of consumers can be witnessed and the scheduling of power from generating stations can be planned with greater accuracy.
- c) Possibility of introducing multiple tariffs enabling pass through of rightful costs incurred by the licensees to the relevant categories of the consumers.
- d) Effective planning of short-term power purchases utilizing the load patterns of various consumers based on load curves obtained by smart prepaid meters.
- e) To incentivize/disincentivize solar hour or non-solar hour consumption.
- f) Involvement of consumers in effective implementation of DSM measures.
- g) Real-time alerts to the consumers on scheduled power outages.
- h) Helps consumers in taking informed decisions on their consumption patterns. In view of the above additional advantages of smart prepaid meters, it will be beneficial for both the licensees and consumers. TS Discoms will abide by the directions given by the Commission in the matter of installation of smart prepaid meters.

Commission's View

3.1.11.3 The Commission has taken note of the submissions of the stakeholders and the Petitioners.

3.1.12 Load Forecast

Stakeholders' Submissions

3.1.12.1 The way load factor is projected by the TSDiscoms to be stagnating or decreasing during the 5th Control Period also confirms their failure to ensure patterns of supply of power to various categories of consumers to increase

load factor.

Petitioners' Replies

- 3.1.12.2 The Petitioner has submitted the Class Load Factors for TSSPDCL and TSNPDCL separately in the Petitions for each category and standalone values, which are arrived based on circle-wise, substation-wise and division-wise data for all over the State. After collecting the demand data from all circles and subdivisions, load curves are arrived based on weighted average of each circle and substation and peak demand for each of the consumer categories. Since the Class Load Factors provided are standalone for each category, there is no failure by the TSDISCOMS to supply power to any category of consumers to increase load factor.

Commission's View

- 3.1.12.3 The submissions of the Stakeholder and the response of the Petitioners are noted by the Commission. The same has been taken into consideration while approving energy sales and load forecast for the Petition.

3.1.13 Historical Data for Sales Forecast

Stakeholders' Submissions

- 3.1.13.1 The Petitioners in the present demand forecast have not given historical data, while TSNPDCL has it from FY 2017. It is mentioned that the forecast has been prepared based on circle-wise analysis, but data is not made available.
- 3.1.13.2 It is important that crucial historical and future data related to category-wise number of consumers, connected load and energy sales are provided in spreadsheet format. In future, TSERC could prepare suitable formats, which should be uniformly followed by both the DISCOMs. Similar presentation is important for data related to generation and distribution network.

Petitioners' Replies

- 3.1.13.3 It is submitted that the TSDiscoms along with the Resource Plan Petitions have submitted Annexures, which detail the historical and future data related to category-wise numbers of consumers, connected load and energy sales. As part of the Additional Information requested by the Commission, TSDiscoms have submitted the above data in spreadsheet formats to the Commission.

Commission's View

- 3.1.13.4 The Commission has noted the response of the Petitioners. The Commission has considered the submissions made by the Petitioners while determining the sales and load forecast for the 5th Control Period & 6th Control Period.

3.1.14 Time of Day Tariff**Stakeholders' Submissions**

- 3.1.14.1 The policy of Time of Day (TOD) tariffs and lower tariffs during off peak hours for HT industries is claimed to be intended for consuming more power during off peak hours and reducing consumption during peak hours, thereby enhancing the general load factor. For other categories of consumers, such a change of pattern in power consumption is not possible, because of the nature and time of requirement of power for their activities. Any attempt to impose TOD tariffs on non-industrial consumers, as proposed by the MoP, Gol, is whimsical and irrational, especially in terms of load forecast and procurement plans for various reasons. This questionable approach goes against the policy of free supply of power to agriculture throughout the day, especially during peak hours.

Petitioners' Replies

- 3.1.14.2 The objection made is against the policies of MoP, Gol. In this regard, TS Discoms shall abide by the directions of the Commission.

Commission's View

- 3.1.14.3 Determination of Tariff is being done as per the provisions enshrined in the Electricity Act, 2003 and the prevailing Rules framed by the Gol and Regulations issued by the TSERC.

3.1.15 Load forecast for Agriculture and LIS Categories**Stakeholders' Submissions**

- 3.1.15.1 The projections made by the DISCOMs on the basis of the policy of supply of power to agriculture 24x7 and supply of power for lift irrigation schemes have elements of uncertainty for various reasons. The DISCOMs have to give actual hours of consumption of power by agricultural consumers and for lift irrigation schemes based on experience so far and substantiate need for projected requirement. The TSERC in the RSTOs of the last two financial years

considered that there is declining trend in power consumption for agriculture and vast difference between estimated requirement and actual consumption of power for lift irrigation schemes. Requirement of power for agriculture being seasonal, estimates for the same need to be realistic based on actual experience over the years.

- 3.1.15.2 Further, the abnormal gaps between projections for requirement of power for LIS during 4th Control Period and actual requirement show the kind of casual approach with which such projections were made for the 4th Control Period. Uniform projection of same quantum (10,055 MU) of power every year during the 5th Control Period by I&CAD indicates that I&CAD does not have clarity and certainty about implementation of the proposed LIS and requirement of power, both time-wise and quantity-wise. If the revised projection of requirement of power for LIS by I&CAD does not fructify during the 5th Control Period, the problem of surplus power would continue with proportionate intensity.

Petitioners' Replies

- 3.1.15.3 The Telangana government has initiated the ambitious Kaleshwaram lift irrigation project along with the existing ones, to meet the needs of the agriculture consumers in the State. The growth trend in this category has many variations due to variations in the operation of Lift Irrigation pumps based on rainfall, water levels in reservoirs, etc. TSDISCOMs have extended power supply to agriculture consumers at par with other category consumers except during evening peak hours with the consent of consumers in certain areas. It is submitted that the DISCOMs have projected the HT-IV category sales considering the licensee's experience of the historical consumption along with other allied factors. Also, the DISCOMs have projected the sales for agriculture consumption as per the Actuals during 4th Control Period.
- 3.1.15.4 It is to be noted that the major planning for infrastructure of lift irrigation schemes is done at 132 kV level and does not affect the planning of distribution infrastructure (which is up to 33 kV voltage level). The Discoms in the current Resource Plan filings have sought the realistic projections from I&CAD, however there has been a delay in receipt of the projected sales from I&CAD department. In view of the delay in receipt of the information, the

Discoms have projected the sales against the lift irrigation schemes considering a growth rate of 10% based on the historical actual sales (TSSPDCL considered the base sales as recorded in FY 2021-22 and TSNPDCL considered the base sales as recorded in FY 2020-21). It is to be noted that the idling of infrastructure (either generation, transmission or distribution) is not during the entire year and corresponds to certain period/days/months of a year, whereas, the planning of power system has to be made taking into consideration the peak demand, which might not be the case of entire duration of demand and considering the same, the narrative of burden of non-utilization during certain period cannot be made.

- 3.1.15.5 Regarding the projection of sales for LIS, TS Discoms have received the sales projection from I & CAD for FY 2023-24 and FY 2024-25 only. In the absence of year-wise projection for the period from FY 2025-26 till FY 2033-34, TS Discoms have considered the sales projection for FY 2025-26 till FY 2033-34 as equal to the sales projection submitted for FY 2024-25.

Commission's View

- 3.1.15.6 The submissions of the stakeholders and the Petitioners is noted by the Commission.

3.1.16 Power Procurement Plan

Stakeholders' Submissions

- 3.1.16.1 The projections at State level made by the licensees show utter inefficiency in planning to maintain prudent balance between requirement for power to meet fluctuating and growing demand and ideal power mix for the 5th Control Period. In the face of projected requirement for energy for the five financial years of the 5th Control Period, energy availability is projected to be almost stagnant, with abnormal quantum of surplus availability during the entire Control Period, confirming anarchy in the policy approaches and decisions of the powers-that-be and the regulatory approach in giving consents to PPAs entered into indiscriminately with power projects by the TSDISCOMs. In this background, the Commission is requested to examine the following points, among others:
- a) The TSDISCOMs have maintained that with the requirement growing year-on-year and capacity not matching the requirement, they have been forced

to depend on short-term purchases during FY 2021-22 and FY 2022-23. It confirms their imprudent decisions in failing to maintain ideal power mix to the extent practicable.

- b) The submission of the TSDISCOMs that they have purchased substantial quantum of power through trading in the market at higher rates of tariff during the last two financial years fails to give details relating to availability of power from committed sources, non-availability of power from such sources at threshold levels of PLF/CUF as incorporated in the respective PPAs and the reasons therefore, whether purchase of unwarranted renewable energy, which cannot meet peak demand, led to backing down thermal power and at the same time purchasing power in the market at higher prices during the 4th Control Period.
- c) The claim that the requirement for power is expected to grow due to lift irrigation schemes and load additions in industrial and commercial categories and hence, they have entered into PPAs with TSGENCO, CGSs and NCES (solar) generators to provide 24x7 quality and reliable power supply to all the categories of consumers, does not correspond to the persistent ground reality. The TSDISCOMs have failed miserably and continue to fail to follow the elementary principles of entering into long-term PPAs in a prudent manner to ensure balance between requirement of power and its procurement, to ensure the kind of ideal power mix that can lead to optimum load factor to the extent practicable, addition of generation capacity in a phased manner in tune with fluctuating and growing demand.
- d) The fact that the TSDISCOMs have shown expected addition of generating capacity from all sources to the tune of 7295 MW from April, 2023 to April, 2024 for the 5th Control Period and 6th Control Periods, projecting availability of abnormal quantum of surplus power during the 5th Control Period, confirms how hasty and faulty their capacity addition planning has been. It also confirms that there has been, and will be, abnormal mismatch between demand growth and availability of power from committed sources.
- e) The TSDISCOMs have maintained that for the 5th Control Period also, on a real-time basis, if the market conditions are favourable, they shall engage

in the sale of surplus power, as done in the recent years. Sale of surplus power pre-supposes deficit of power for other States. The TSDISCOMs could not make any projections on quantum of surplus power they can sell during the 5th Control Period, which confirms speculative uncertainty based on which PPAs for procurement of power should not be entered into indiscriminately.

- f) The TSDISCOMs have submitted that they are planning to enter into a PPA with SCCL Unit 3 (800 MW) and that the unit is expected to be commissioned during FY 2026-27. They have stated that there is scope for installation of 1600 MW additional capacity from SCCL's Units 4 and 5 and 2400 MW (3x800 MW) from Telangana STPP, besides their negotiations for getting the balance 15% share in TSTPP 1600 MW plant of NTPC. Such additions should be appropriately planned in a phased manner to meet requirement for power, leaving no scope for adding to the unwarranted surplus power already available and projected to be available during the 5th Control Period.

3.1.16.2 Further, the argument of DISCOMs that availability of surplus power as projected for future years is not constant has no relevance, for, it cannot avoid imposition of avoidable burden on consumers of power in the form of paying fixed charges for surplus power backed down and higher tariffs being paid for purchasing power through Exchanges and from the market. If analysis of actual position of availability of power, surplus power, fixed charges paid for backing down, quantum of costs of power purchased through Exchanges and from the market, etc., for the 4th Control Period is provided with all relevant data, hollowness of the claims of the DISCOMs would be exposed thoroughly.

3.1.16.3 Also, the coal shortage is another reason cited by the DISCOMs for variation in availability of power. However, in the case of some of the thermal power plants, the DISCOMs have paid higher fixed charges. Variations in payment of fixed charges to the CGS show that a hefty sum was paid to CGS for backing down generation. At the same time, huge quantum of power was purchased from the market by the DISCOMs, paying hefty amounts in advance, instead of clearing dues to GENCO. All these are ingredients of bad planning.

3.1.16.4 Also, the argument of the DISCOMs that “*if we consider the projected demand from LIS Department, there is no question of surplus energy, the energy requirement for respective years will increase drastically, hence, that could meet the availability*” falls in the hypothetical realm of uncertainty. That the DISCOMs have been constrained to drastically reduce the demand for lift irrigation schemes projected by the department concerned for the purpose of formulating the subject plans confirms that the demand projected by LIS department is unrealistic and does not correspond to ground reality. The DISCOMs also could not provide any substantiation and justification for projected availability of surplus power during the 5th Control Period.

Petitioners’ Replies

3.1.16.5 The TSDiscoms have been purchasing the power following Merit Order Dispatch principle for scheduling of power on daily basis from all the available generating stations and have resorted to purchase from short-term sources only in the cases when the availability of power is not matching with the demand. Further, it is to be noted that the availability of surplus power (as shown in the RP Petition) for future years is not constant. It is annual consolidated figure considering energy from all sources. Depending on the load dynamics, there appears to be surplus power in certain blocks in a day and there might be deficit in certain other time blocks of a day. As regards providing of details relating to availability of power from committed sources, etc., TSDiscoms shall provide detailed justifications in the relevant Petition(s) to be filed before the Commission.

3.1.16.6 Further, it is to be noted that demand projection of LIS Loads for the 5th Control Period and 6th Control Period from Irrigation Department has considered much higher growth than the nominal growth rate values, whereas due to slow progress of LIS project, the actual projections of LIS have been considered in Resource Plan based on Nominal growth rate of 10%. If we consider the projected demand from LIS Department, the energy requirement for respective years will increase drastically, hence, there would be no question of surplus energy.

3.1.16.7 Also, TSDISCOMs are bound to purchase power from open market during

power deficit time blocks to cope up with the demand and opt for sale of power during surplus times. Any surplus power available in any 15 minutes time block will be traded in Exchange only after making a comparison whether the prevailing Exchange price is higher than the variable cost of Thermal plants.

3.1.16.8 The projection of demand and supply of electricity is done as per certain assumptions and any variation in the projected demand and supply of electricity with that of actual scenario leads to gap between the demand and supply. It is to be noted that the projection of demand for electricity has to be supported with installation of generation capacity and this installation of new generating capacity requires time in the span of years (minimum 4 to 5 years for thermal generation capacity and 1.5 to 2 years for renewable energy sources). Considering the above stated time constraints and challenges of ensuring demand for electricity, the Discoms have to plan their power generation sources and in discharge of the same, the TS Discoms have signed all the power purchase agreements and subsequently approached the Commission for approval of the same. The PPAs entered by the TS Discoms are considering the demand projections for the 4th and 5th Control Period including the significant projections received from I&CAD. It is submitted the decision(s) of power purchase are made only after detailed deliberations and are submitted before the Commission for approval and the Commission provides approvals for any procurement only after due consideration to the submissions made by the stakeholders.

3.1.16.9 Also, the surplus capacity, which is the difference between the availability and the actual demand is dependent on the assumptions of both the availability and demand, and any variation, whether minor or major, will have an impact on the quantum of surplus power. For instance, in FY 2022-23, on account of shortage of coal in the market, there has been a reduction in the availability of power when compared to the projections of availability of power in the Tariff Order for FY 2022-23. This variation has led to the purchase of short-term power in the market at higher rates. These types of instances are regularly observed during the operation of power system in any year and licensees cannot project such instances before the start of any year in their tariff filings. In this regard, a detailed justification of the energy balance scenario observed

- in 4th Control Period and the calculation of energy balance for 5th Control Period and 6th Control Period considering the projection of availabilities with historical average PLFs along with other scenarios impacting energy balance is provided.
- 3.1.16.10 Also, the dispatch is done following Merit Order Dispatch principle for scheduling of power on daily basis from all the available generating stations and TSDISCOMs have resorted to purchase from short-term sources in the cases when the availability of power is not matching with the demand and in certain cases when the variable charges per unit of generating stations is more than the prices of power in Exchanges only to optimize the overall power purchase cost and pass on the benefits to the consumers. In view of the above, the submission of the stakeholder that surplus power is backed down and higher tariffs are being paid for purchasing power through Exchanges and from the market does not arise.
- 3.1.16.11 Regarding the narrative of difficulty of projection of quantum of surplus power, the same pertains to the time when projections are made during the filings before the Commission before the start of the financial year. In view of the same, the above two narratives need to be looked at separately.
- 3.1.16.12 TS Discoms in the justification note have already submitted that the higher fixed charges for CGS Stations than that approved are on account of true up of ARR for previous Control Period. Another reason for higher fixed charges could be due to revision of tariff for current Control Period by the CERC. The TSDiscoms respectfully submit that backing down of capacities will never result in payment of higher fixed charges as fixed charge is an amount, which is to be paid by a Discoms to a generating station irrespective of scheduling power from such generating station.
- 3.1.16.13 TS Discoms have submitted the various factors, which impact the actual PLF when compared to the normative values and one of the reasons, which impact the actual availability is shortage of coal for thermal plants.
- 3.1.16.14 The Discoms have projected the sales against the lift irrigation schemes considering a growth rate of 10% based on the historical actual sales (TSSPDCL considered the base sales as recorded in FY 2021-22 and

TSNPDCL considered the base sales as recorded in FY 2020-21).

Commission's View

3.1.16.15 The submissions of the stakeholder regarding adequate power purchase mix are noted by the Commission.

3.1.17 Optimization of Power Procurement Cost

Stakeholders' Submissions

3.1.17.1 The TSDISCOMs have explained that the availability from CGS stations for 1019 MW, including 539 MW from Simhadri project, is reduced during the 6th Control Period due to expiry of PPAs. They have proposed that they would ensure the cost effectiveness and would explore option of extending PPAs, if required. The Ministry of Power, Govt, of India, has notified on 20th April 2023, a Scheme for Pooling of Tariff of those CGs plants whose PPAs have expired. This scheme is effective from 1st July 2023 onwards. It is mainly designed for CGS stations, which have completed 25 years of service. Common pool will be created with total installed capacity with uniform fixed cost and variable cost by deallocating power from the original beneficiaries. Beneficiaries have to enter into separate PPAs for a minimum period of 5 years for requisitioning power from common pool after obtaining proper consent for entering PPAs and for the quantum of power. One-year prior intimation will be given to the beneficiaries before completion of 5 years agreement period. A single Window System shall be created through which the desiring State(s)/Discoms including the existing beneficiaries shall submit their willingness for power allocation (quantum as well as period) within 15 days from the formation of Common Pool. In view of the said scheme of MoP, Gol, and its impact on the DISCOMs yet to be studied, a balanced stand on procurement of power to meet requirement of TS DISCOMs and its financial impact need to be analyzed and a prudent decision should be taken.

Petitioners' Replies

3.1.17.2 The suggestion is noted. It is submitted that decision of signing a contract of power purchase from power plant post the expiry of the PPA will be done considering the requirement of TSDiscoms, landed cost, availability of alternative sources, renewable purchase obligations, TSERC Regulations,

etc.

Commission's View

- 3.1.17.3 The submissions on the Stakeholders and the response of the Petitioners are noted by the Commission.

3.1.18 Power Procurement from RE Sources

Stakeholders' Submissions

- 3.1.18.1 The TSDISCOMs have explained that they are procuring solar power in two modes, viz., distributed mode (generating plants are placed close to sub-stations to reduce losses) and centralized mode (“generating plants are concentrated in a single region like SECI, CPSU, etc.”) and that they would explore these options in future based on cost-competitiveness. Procurement of power from generating stations set up within the State and nearer to load centres, with well-known benefits, should be the standard practice within given circumstances.
- 3.1.18.2 The very fact that the TSDISCOMs have projected stagnation in procurement of NCES during the 5th Control Period confirms that they have entered into long-term PPAs with RE units in such a questionable way that they will not require any addition to it during the entire 5th Control Period. How far the DISCOMs would be able to stick to this stand during the 5th Control Period needs to be assessed.

Petitioners' Replies

- 3.1.18.3 The priority of the TSDISCOMS is procuring power from a plant, which is nearer to the load centres. However, in case the landed variable charge is lower in case of a RE plant outside the State, it is prudent to purchase power from the said plant, which will allow the consumers of Telangana to benefit from economic power purchase. The following points can be considered in support of the above:
- a. Even though the power is wheeled from other States, the landed cost does not include the impact of Inter-State Transmission losses and Inter-State Transmission charges as per the notifications issued by MoP, Gol for the RE plants installed till 30.06.2025.

- b. Further, one of the important aspects of landed cost of solar power is the cost of land (contributing about 5%-20% of total cost). In the State of Telangana, the cost of land is on the higher side compared to the cost of land in other States (Even in 2017, the cost of land in Telangana was Rs. 10-20 Lakh per acre when compared to the States like Madhya Pradesh and Rajasthan where the cost was in the range of Rs. 5-10 Lakh per acre (Source <https://shaktifoundation.in/wp-content/uploads/2018/01/Study-Report-Addressing-Land-Issues-for-Utility-Scale-Renewable-Energy-Deployment-in-India.pdf>) considering that there are no barren lands and more area being cultivated year on year.

Commission's View

- 3.1.18.4 The Commission has taken the note of the submissions and the same are taken into its consideration while approving the Power procurement Plan for the Petitioners.

3.1.19 Demand Forecast

Stakeholders' Submissions

- 3.1.19.1 The DISCOMs should have projected peak demand and hourly and seasonal surplus/deficit depending on projected availability of power and requirement during the 5th Control Period. The DISCOMs have to explain as to how their projected power procurement plan, with their expected compliance under RPPO every year during the 5th Control Period, would contribute to meeting the State grid demand and peak demand, without creating avoidable technical and financial problems to the DISCOMs and TS GENCO and imposing avoidable burden on consumers of power. It is submitted that it is all the more necessary to make a comprehensive and holistic analysis of the experience during the 4th Control Period, including the legacy of the earlier period, and likely consequences that would follow during the 5th Control Period.

Petitioners' Replies

- 3.1.19.2 The TSDISCOMs have projected peak demand and hourly and seasonal surplus/deficit depending on projected availability of power and requirement during the 5th Control Period and 6th Control Period and as part of the Additional Information requested by the Commission, TSDiscoms have

submitted the above data in spreadsheet formats to the Commission. As submitted above, it is to be noted that projection demand of LIS Loads for the 5th Control Period and 6th control period from Irrigation Department has considered much higher growth than the nominal growth rate values, whereas due to slow progress of LIS project, the actual projections of LIS has been considered in Resource Plan based on nominal growth rate of 10%. If we consider the projected demand from LIS Department, there is no question of surplus energy, as the energy requirement for respective years will increase drastically. As regards RPPO, it is to be noted that that TSDISCOMS have the mandate provided by the TSERC to fulfil the RPPO specified in the Regulations. Further, the PPA's with RE sources are either signed under Section 63 (Competitive Bidding) of Electricity Act, 2003 or determined by TSERC (Section 62 of Electricity Act, 2003) considering multiple factors. The additional RE sources PPA would serve part of peak demand in the day and add to energy security during the 6th Control Period when there is a deficit.

- 3.1.19.3 The PPAs with RE sources will help Discoms to meet the power requirements of the State and also enable to bring down the average power purchase cost, while complying with the Renewable Power Purchase Obligation targets fixed by the Commission. Though at present, it is not mandatory for the State DISCOMs to comply with the MoP notified RPPO trajectory, it is likely that the State RPPOs may be aligned with the MoP RPPO, in terms of various notifications issued. Particularly in view of the proposed amendment to Section 142 of the Electricity Act 2003, which proposes for imposing penalties (ranging from Rs. 0.25/kWh to Rs. 0.55/kWh) for non-compliance of RPPO targets, it is required that the TS Discoms shall be prepared to meet the larger RPPO targets in phased manner, that may be imposed in future by MOP, GoI on all the States, including the State of Telangana. It is also submitted that even before the 5th Control Period starts, PPA's of 1287 MW of the generation capacity (TS share) will expire. Since the demand is continuously increasing and old PPA's will shortly expire, it is prudent to sign new PPA's with a diverse supply mix. Further, a detailed justification of the energy balance for 5th Control Period and 6th Control Period considering the various scenarios impacting energy balance is provided.

Commission's View

3.1.19.4 The stakeholder's submissions and response of the Petitioners is noted. The Commission has dealt the matter in subsequent sections of this order.

3.1.20 Contracting Capacity from RE Sources**Stakeholders' Submissions**

3.1.20.1 The TSDISCOMs have been constrained to make self-contradictory claims and arguments on their justification for entering into long-term PPAs for purchasing RE Power. In the Petitioners' presentation during the public hearing on 30.6.2021 in OP Nos.15 to 19 of 2021 relating to the PPAs signed with TS Genco, TSDiscoms projected availability of total installed capacity of 25,760 MW by FY 2022-23. This also does not include the balance of 2400 MW from TSTPP. The capacity addition is done with the intention of providing 24x7 supply in the future to the consumers of the State. The addition of the new capacity like from SECI and the CPSU schemes will reduce the power purchase cost for the consumers and will help the RPPO compliance and the probable future compliance of MOP suggested Renewable energy compliance. Further, the PPA's entered are approved by the Commission after due proceedings. It is further submitted that the TSDISCOMS have projected the scenario of the Energy availability surplus only in 5th Control Period and the first year of the 6th Control Period. It is further submitted that had the additional PPA's not signed, there would have an Energy Availability deficit in the 5th Control Period as well. Out of 25,760 MW, solar power is 5565 MW, wind power 128 MW and other RE 196 MW, i.e., a total RE of 5889 MW. Against a contracted capacity of 21878.73 MW, as approved by the Commission in the MYT Order for TS Transco, do the TSDiscoms require 25,760 MW, i.e., 3882 MW additionally? In the above-mentioned presentation, TSDiscoms informed that there has been no load relief from 20.11.2014 and that as on 1.6.2021, against a maximum demand of 13,688 MW, the contracted capacity is 16,603 MW. With this capacity, when the TSDiscoms are in a position to meet maximum demand during 2021-22, the transmission contracted capacity approved by the Commission for the same year to the tune of 21,370.12 MW is, obviously, very high. This kind of spree of entering into long-term PPAs for purchase of solar power continued by the DISCOMs

and giving consent to by the Commission also continued subsequently. Now, in the subject submissions, the DISCOMs have admitted that the reason for their energy surplus scenario is addition of new capacity from TSGENCO, CGS and NCES (SECI and CPSU schemes) stations, without explaining as to why they have been entering into long-term PPAs for purchasing such unwarranted power and seeking approval of the Commission to the same.

Petitioners' Replies

- 3.1.20.2 The Capacity addition is done with the intention of providing 24x7 supply in the future to the consumers of the State. In this regard, as submitted above, it is to be noted that projection of demand and supply of electricity is done as per certain assumptions and any variation in the projected demand and supply of electricity with that of actual scenario leads to gap between the demand and supply.
- 3.1.20.3 The addition of the new capacity like from SECI and the CPSU schemes will reduce the power purchase cost for the consumers and will help the RPPO compliance to the Commission and the probable future compliance of MOP suggested Renewable Energy compliance. Further, the PPA's entered are approved by the Commission after due proceedings. It is further submitted that the TSDISCOMS have projected the scenario of surplus energy availability only in 5th Control Period and the first year of the 6th Control Period. It is further submitted that had the additional PPA's not signed, there would have an Energy Availability deficit in the 5th Control Period as well.
- 3.1.20.4 In FY 2022-23, on account of shortage of coal in the market there has been a reduction in the availability of power when compared to the projections of availability of power in the Tariff Order for FY 2022-23. This variation has led to the purchase of short-term power in the market at higher rates. These types of instances are regularly observed during the operation of power system in any year and licensees cannot project such instances before the start of any year in their tariff filings. A detailed justification of the energy balance scenario observed in 4th Control Period and the calculation of energy balance for 5th Control Period and 6th Control Period considering the projection of availabilities with historical average PLFs along with other scenarios impacting

energy balance is provided in additional submissions.

Commission's View

- 3.1.20.5 The Commission has taken into consideration the submissions of the stakeholders and Petitioners while approving load forecast and power purchase plan.

3.1.21 Inter State Transmission Losses & Charges

Stakeholders' Submissions

- 3.1.21.1 The financial impact of transmission losses and PGCIL losses and inter-State transmission charges, outwardly claimed to be waived as a matter of policy, but reimbursing the same to PGCIL, and are imposed on consumers in a manipulative way through the orders issued by CERC. The DISCOMs have not explained the impact, present and future, of PGCIL charges as determined questionably by CERC in tune with the whimsical policies of the Government at the centre.

Petitioners' Replies

- 3.1.21.2 The Resource Plan Petition submitted does not involve the projection of transmission cost. Further, the subject of PGCIL charges is a matter of Retail Supply Tariff Petition and the computation of such charges are not in purview of the TSDISCOMs.

Commission's View

- 3.1.21.3 Inter-state Transmission losses and charges are being levied on the basis of the usage of tied up transmission links and their corresponding contribution in peak hours. Depending on the power purchase economics, transmission networks are being used and accordingly charges are levied to the beneficiaries of the PGCIL network. These inter-State charges and losses are levied as determined by the CERC.

3.1.22 Backing Down Cost of Surplus Power

Stakeholders' Submissions

- 3.1.22.1 Surplus power backed down and the fixed charges paid therefore during the 4th Control Period and likely position during the 5th Control Period as per the projections made by the DISCOMs needs to be revealed and examined. In other words, the Commission is expected to ensure the same, to the extent possible and practicable in given circumstances. When changed circumstances demand review and modification of the subject plans as approved by the Commission, it should be done through the process of public hearings. When a PPA or PPAs come before the Commission for its consideration, it provides an apt opportunity to make such a review, as procurement of power under the PPAs concerned needs to be justified by the DISCOMs.
- 3.1.22.2 Due to the said variations, provision for five percent of spinning reserve or reserve margin is generally considered sufficient. The abnormal quantum of surplus power projected to be available during the 5th Control Period by the DISCOMs is unwarranted.
- 3.1.22.3 It is the imprudent decisions, which are responsible for this unwarranted situation. That is the reason why experience during the 4th Control Period needs to be analyzed, possible corrections be carried out and costly blunders should not be repeated during the next Control Periods.

Petitioners' Replies

- 3.1.22.4 The surplus power arises during few time blocks of the day and some unseasonal period during the year. It is also submitted that there is deficit of power in certain time blocks of the days and power surplus due to dynamic and fluctuating loads and there are no unwarranted fixed charges paid by the TS Discoms. TS Discoms shall abide by the directions given by the Commission during the review of PPAs.
- 3.1.22.5 As per the 5th Amendment to IEGC, spinning reserve is "*the Capacities which are provided by devices including generating station or units thereof synchronized to the grid and which can be activated on the direction of the System Operator and effect the change in active power*". From the quoted definition, it can be inferred that spinning reserve is the capacity, which can

be used to balance the real-time fluctuations of supply and demand of the power system, whereas, the surplus or deficit capacities in certain time blocks pertain to the submissions made by the Discoms to the respective load dispatch centres for T+1 day (day ahead basis). Further, a detailed justification of the energy balance scenario for 5th Control Period and 6th Control Period considering the projection of availabilities with historical average PLFs along with other scenarios impacting energy balance is also submitted.

- 3.1.22.6 Also, the submission of stakeholder that Spinning reserve is expected to take care of demand and supply is not correct in totality considering the fact that the peak demand(s) in the peak season of the year is much higher than the spinning reserve of the stations with which Discoms have tied up. It is also to be understood that power from renewable energy sources is not usually available during the evening peaks in peak season.
- 3.1.22.7 Further, backing down of capacities is done only in certain limited number of instances where the variable charges of the available generation source is much higher than the per unit charge of power available from short-term sources, which is also done with the sole objective of optimization of power purchase cost and the ultimate benefit is passed on to the consumers. Even though the actual average PLFs considered now includes backed down capacities, TS Discoms expect that such instances of backing down for optimization of power purchase cost may happen in future.
- 3.1.22.8 TS Discoms submit that backing down of capacities will never result in payment of higher fixed charges as fixed charge (corresponding to the capacity tied up with Discom subject to the actual availability of plant) is an amount, which is to be paid by a Discom to a generating station irrespective of scheduling power from such generating station.

Commission's View

- 3.1.22.9 The responses of the Petitioners are noted by the Commission. The Commission has taken the suggestions of the Stakeholders into its consideration while determining the Power Procurement Plan for the Petitioners.

3.1.23 Availability from Tied Up Sources

Stakeholders' Submissions

- 3.1.23.1 Availability of power from committed sources should be worked out on normative basis as per the terms and conditions in the PPAs concerned.

Petitioners' Replies

- 3.1.23.2 The availability of power from the committed sources is either projected based on the terms and conditions in the PPAs concerned or as per the Regulations notified by the Commission depending on the nature of procurement.

Commission's View

- 3.1.23.3 The submissions are noted by the Commission.

3.1.24 Action Plan for Surplus Power***Stakeholders' Submissions***

- 3.1.24.1 How the surplus is going to be dealt with has not been detailed by the DISCOMs while there is a reference to dealing with shortages in 6th Control Period. The statement by TSNPDCL for overcoming shortages is 'if & butts', not a definitive action plan considering that shortage is equivalent to a supply from a 500 MW thermal plant operating at 80% Normative even in FY 2030-31 and going to 3500 MW thermal plant by FY 2033-34. Most States have not planned any new thermal plant. So, bridging the deficit needs an explanation. Demand growth is less but the supply is much higher. How optimization of power purchase will be done is not given in the plan.
- 3.1.24.2 Further, the PUSHp platform cannot create demand for power. If a DISCOM indicates in advance, availability of surplus power with it at a later date and at a specific time/period, it does not mean that other DISCOMs necessarily require that power during that time/period. Considering the same, the impact of PUSHp platform is marginal.

Petitioners' Replies

- 3.1.24.3 TSDiscoms have provided various factors, which impact the energy balance of the Discoms. Notwithstanding the above, Discoms shall strive to narrow the difference between supply and demand in future.
- 3.1.24.4 With regards to the surplus power, TS Discoms submit that they shall closely monitor the progress of the construction of new generating stations along with the materialization of additional loads (MU) and accordingly estimate the

timelines of availability of power from such generating stations and shall strive to better utilize resultant surplus power in the times blocks/ days / months and reduce the burden on the consumers of the state.

- 3.1.24.5 In delivering the stated objective, Discoms shall consider the following possibilities either individually or combined: Discoms shall explore the possibility of entering Banking Agreements with other States who have different power requirement patterns based on the availability/requirement of power. Banking of power is always beneficial to Discoms as Power will be received during peak season where market rates will be higher and returned during non-peak season.
- 3.1.24.6 Discoms shall utilize the Surplus Power Portal i.e., PUSHp platform, an initiative by MoP, GoI where it is possible for the Discoms to indicate their surplus power in times blocks/ days / months on portal from all of their tied-up sources. Those Discoms of other States who need power will be able to requisition the surplus power and the new buyer has to pay both Fixed Charges and Variable Charges as determined by the appropriate Regulatory Commission. This shall reduce the fixed cost burden on the Discoms and will also enable all the available generation capacity to be utilized. TS Discoms, have already utilized the services of PUSHp platform in order to meet its requirements in the month of May 2023. Apart from the above two possibilities, Discoms shall also strive to materialize revenue from any resultant surplus in smaller time periods by selling the surplus power on the Power Exchanges.
- 3.1.24.7 For instance, for meeting the demand of Telangana during the period 01.02.2023 to 31.03.2023, TS Discoms have signed a banking agreement with MPPMCL (Madhya Pradesh) and such power utilized by TS Discoms is agreed to be returned during the period from 01.11.2023 to 15.01.2024. Similarly, for meeting the peak demand during the period 01.06.2023 to 15.07.2023, TS Discoms have entered into banking agreements with Punjab State Discoms and such power utilized by TS Discoms is agreed to be returned during 15.02.2024 to 15.04.2024. Similar arrangements can be made by TS Discoms with other Discoms in 5th Control Period and 6th Control Periods.

Commission's View

- 3.1.24.8 The submissions of the stakeholder are taken note of. The Commission directs the TSDISCOMs to explore options like Pumped Storage and banking arrangements with other states in order to reduce the power purchase costs.

3.1.25 Grid Energy Storage System**Stakeholders' Submissions**

- 3.1.25.1 There are no experiences in the country to show that a viable, economical and affordable battery energy storage system is developed and put to use. How long it would take for such a system to become a reality is anybody's guess. Based on such uncertainties, it is not wise to plan for procurement of power under long-term power purchase agreements, which lead to availability of abnormal quantum of avoidable surplus power.

Petitioners' Replies

- 3.1.25.2 TS Discoms shall explore the Battery energy storage systems for utilizing the surplus energy and feeding back to the system during the period of peak hours thereby reducing the dependency on the short-term power purchases to balance the demand and supply. The ancillary services for Energy Storage Systems are an emerging trend and due to shortage of said services it is not economical at this juncture. As and when the said services are ample, the Discoms shall explore the possibility of storage of surplus energy when it is feasible.

Commission's View

- 3.1.25.3 The TSDISCOMs are directed to explore the usage of battery storage to optimize the power purchase cost and submit a report by June 2024.

3.1.26 Distribution Loss Trajectory**Stakeholders' Submissions**

- 3.1.26.1 The DISCOMs have submitted that by considering the actual agriculture sales, the loss at LT voltage level is higher than the loss approved by the Commission. The DISCOMs have argued that the incremental losses have resulted in additional procurement of energy for FY 2021-22 for which they have not gained any additional revenue. They have requested the

Commission to consider the actual losses of FY 2021-22 to arrive at the loss trajectory for the next two Control Periods. When supply of power to agriculture comes down compared to the quantum determined by the Commission in the retail supply tariff order, losses also should come down and availability of surplus power should increase. In such a situation, need for purchase of additional power to meet demand of agriculture does not arise. Therefore, we request the Commission to take a realistic view of the expenditure proposed to be incurred by the DISCOMs for loss reduction and the declining trend of consumption of power for agriculture and fix targets for loss reduction during the 5th Control Period and 6th Control Periods in a balanced way.

Petitioners' Replies

- 3.1.26.2 It is to be noted that the TS Discoms are striving hard to reduce the distribution losses and the recent years' data shows that the losses have come down (TSSPDCL: 12.92% in FY 2014-15 to 9.14% in FY 2021-22 and TSNPDCL: 14.69% in FY 2014-15 to 10.8% in FY 2021-22). In this regard it is to be noted that loss reduction is associated with capital expenditure and after achieving certain level of distribution losses, further reduction of losses requires huge capital expenditure. It is submitted that in 3-year CAGR and 4- year CAGR, the actual sales of agriculture LT-V are positive and more than 3% growth rate, so TSDISCOMs have projected 5% nominal growth for 5th Control Period and 6th Control Period.

Commission's View

- 3.1.26.3 The submissions of the Stakeholders and Petitioners are noted by the Commission and the same have been considered while approving demand forecast, distribution loss trajectory and Resource plan for the Petitioners.

3.1.27 Demand Forecast

Stakeholders' Submissions

- 3.1.27.1 The YOY growth trend presumption for Control Period at 5.4% for LT DOMESTIC appears too optimistic considering that while goods are progressively getting more efficient and there is increasing use of Solar Roof top.
- 3.1.27.2 For HT INDUSTRY and LIFT IRRIGATION, the number of consumers is fewer.

Therefore, a detailed analysis of Historical Data and individual customer survey would have helped forecasting. TSNPDCL in their Petition records low growth rate but assumes 6-8% Growth Rate for FY 2025-29.

- 3.1.27.3 For LT V Agriculture, the YOY growth has been negative as reported by the DISCOMs in T.O of FY 2023-24,"Consumption under LT-V would not further increase given the fall in the use of bore wells and a rise in canal irrigation". It is not understandable how DISCOMs assumed a YOY 5% uniform growth.
- 3.1.27.4 It is submitted that 20th EPS projects open access YOY growth at 20% and 30% for Solar Roof Tops in Telangana. Considering national trends, a mere 2% open access HT sale and Captive Capacity of 10% of peak demand looks too low. No basis for these assumptions has been given by TSDiscoms in their Petitions.

Petitioners' Replies

- 3.1.27.5 It is submitted that considering the past trend in the domestic sales in each Circle, the Discoms have adopted 5-yr CAGR and 1-yr CAGR for most of the circles and have arrived at appropriate growth rates at Discom level. In the domestic category, 1-year or YoY growth rates have been used for certain circles considering either the higher growth rates in the recent periods or the circles, which are experiencing rapid growth in domestic consumption on account of establishment of new colonies, etc.
- 3.1.27.6 As regards the observation on projection of sales of HT Industry category of TSNPDCL, the circles with low growth (growth rate — 2%) in sales are much less in number than circles with higher growth rate (growth rate— 5%). This asymmetry of number of circles with different growth rates is affecting the overall growth rate of TSNPDCL
- 3.1.27.7 The projection of sales for the agricultural category is difficult and with regard to the submissions in RST filings for FY 2023-24 along with the submissions made in respect of agricultural sales, the DISCOMs have requested to the Commission to consider the actual sale during the time of true up in case the actual sales emerge to be higher than the projected sales. The Discoms in the Resource Plan petition have projected the Agricultural Sales considering nominal growth rates in view of the regular sales and the irrigation lands still

to be cultivated, which needs pumping water.

- 3.1.27.8 It is to be noted that the 20th EPS has included the projection of Open Access sales under ““Other”” category, which also includes the sales of categories not falling under 9 different categories and the growth rate of the above referred ““Other”” category is not more than 6%. As regards projection of sales for Solar Rooftop, it is to be noted that the projections made in 20th EPS report are aligned with the target of Installed Capacity of 50 GW by FY 2031-32. As regards growth rate of Captive Capacity, it is to be noted that the 20th EPS report projects the captive self-consumption in MU, whereas TS DISCOMs have provided projection of Captive Capacity in MW.

Commission’s View

- 3.1.27.9 The submissions of the Stakeholders are noted by the Commission and the same have been considered while approving demand forecast for the Petitioners.

Chapter 4

Resource Plan and Business Plan

4.1 Sales forecast of TSDISCOM's

Petitioners' Submissions

- 4.1.1 The 5-year, 4-year, 3-year, 2-year and 1-year CAGR of sales for the period from FY 2016-17 to FY 2021-22 and FY 2017-18 to FY 2022-23 are computed for each consumer category in each circle. The HT and LT sales for FY 2021-22 (October, 2021 to March, 2022) are used as a base for projections for H2 of FY 2022-23 and estimated sales for FY 2022-23 are used as a base for the projections from FY 2023-24.
- 4.1.2 The Circle-wise Sales Forecast is consolidated to arrive at Sales Forecast of TSDISCOMs, who have submitted year-wise growth by considering modified trend method wherein the historical trends in usage have been modified based on a case-to-case basis based on the assessment of the licensee.
- 4.1.3 The category-wise sales projection for 5th Control Period and 6th Control Period is shown in the Table Below:

Table 4-1: Category-wise Projected Sales for 5th Control Period for TSNPDCL (MU)

Category	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
LT I: Domestic	4,243	4,491	4,753	5,032	5,328	5,642
LT II: Non-Domestic/Commercial	915	972	1,033	1,098	1,168	1,243
LT III: Industry	245	251	257	263	269	275
LT IV: Cottage Industries	9	10	10	11	11	12
LT V: Agriculture	7,890	8,285	8,699	9,134	9,591	10,070
LT VI: Street Lighting & PWS	370	380	389	399	409	420
LT VII: General	58	61	64	67	70	74
LT VIII: Temporary Supply	8	9	9	9	10	10
LT IX: EVs	1	4	8	15	23	32
Total LT	13,740	14,460	15,222	16,028	16,879	17,779
HT I: General, Ferro Alloys & HMWS	2,151	2,280	2,447	2,632	2,840	3,071
HT II: Others	190	201	213	225	238	252
HT III: Airport, Bus Stations and Railway Stations	8	8	8	8	9	9
HT IV: LIS	2,209	2,426	2,666	2,929	3,219	3,537
HT IV (b): CPWS	532	544	558	571	585	599
HT V: Railway Traction	553	588	614	641	670	700
HT VI: Township and residential colonies	141	144	147	150	153	156
HT VII: RESCOs	32	33	34	35	36	37
HT VIII: Temporary	987	1,031	1,076	1,124	1,173	1,225

Category	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
HT IX: EVs	-	-	-	-	-	-
Total HT	6,803	7,257	7,763	8,316	8,922	9,586
Total (LT+HT)	20,543	21,717	22,985	24,334	25,801	27,365

Table 4-2 : Category-wise Projected Sales for 6th Control Period for TSNPDCL (MU)

Category	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
LT I: Domestic	5,976	6,331	6,709	7,111	7,539
LT II: Non-Domestic/Commercial	1,323	1,408	1,499	1,597	1,702
LT III: Industry	282	288	295	302	309
LT IV: Cottage Industries	13	14	15	16	18
LT V: Agriculture	10,473	10,892	11,328	11,781	12,252
LT VI: Street Lighting & PWS	430	441	453	464	476
LT VII: General	78	82	86	90	95
LT VIII: Temporary Supply	11	11	12	13	13
LT IX: EVs	33	33	33	33	33
Total LT	18,618	19,501	20,430	21,408	22,438
HT I: General, Ferro Alloys & HMWS	3,332	3,625	3,955	4,329	4,752
HT II: Others	266	282	299	317	336
HT III: Airport, Bus Stations and Railway Stations	9	9	9	10	10
HT IV: LIS	3,887	4,273	4,696	5,162	5,674
HT IV (b): CPWS	613	628	643	659	675
HT V: Railway Traction	732	765	800	837	876
HT VI: Township and residential colonies	159	163	166	169	172
HT VII: RESCOs	38	39	40	41	42
HT VIII: Temporary	1,279	1,335	1,394	1,456	1,520
HT IX: EVs	-	-	-	-	-
Total HT	10,316	11,119	12,003	12,980	14,059
Total (LT+HT)	28,934	30,620	32,434	34,388	36,497

Table 4-3 Category-wise Projected Sales for 5th Control Period for TSSPDCL (MU)

Category	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
LT I: Domestic	10,608	11,149	11,721	12,327	12,970	13,651
LT II: Non-Domestic/Commercial	3,157	3,347	3,549	3,766	3,997	4,244
LT III: Industry	986	1,022	1,060	1,099	1,140	1,183
LT IV: Cottage Industries	10	10	11	11	12	12
LT V: Agriculture	12,657	13,290	13,955	14,652	15,385	16,154
LT VI: Street Lighting & PWS	482	493	504	514	526	537
LT VII: General	88	93	98	103	108	114
LT VIII: Temporary Supply	107	117	127	139	152	165
LT IX: EVs	1	1	1	2	2	2
Total LT	28,096	29,522	31,026	32,614	34,291	36,062
HT I: General, Ferro Alloys & HMWS	14,483	15,318	16,213	17,171	18,199	19,301
HT II: Others	3,035	3,286	3,517	3,767	4,036	4,330
HT III: Airport, Bus Stations and Railway Stations	63	107	125	142	150	15
HT IV: LIS & CPWS	2,774	3,020	3,290	3,585	3,908	4,262
HT V: Railway Traction	439	766	842	862	1,043	1,147
HT VI: Township and residential colonies	319	347	378	411	448	489

Category	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
HT VII: RESCOs	0	0	0	0	0	0
HT VIII: Temporary	185	195	206	217	229	242
HT IX: EVs	8	15	17	18	20	21
Total HT	21,304	23,053	24,587	26,174	28,034	29,950
Total (LT+HT)	49,401	52,575	55,612	58,787	62,325	66,012

Table 4-4 : Category-wise Projected Sales for 6th Control Period for TSSPDCL (MU)

Category	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
LT I: Domestic	14,373	15,139	15,952	16,814	17,731
LT II: Non-Domestic/Commercial	4,507	4,789	5,090	5,412	5,757
LT III: Industry	1,227	1,274	1,322	1,372	1,424
LT IV: Cottage Industries	13	13	14	14	15
LT V: Agriculture	16,962	17,810	18,700	19,635	20,617
LT VI: Street Lighting & PWS	549	560	573	585	598
LT VII: General	120	127	134	141	149
LT VIII: Temporary Supply	181	197	215	235	257
LT IX: EVs	2	2	2	2	2
Total LT	37,933	39,911	42,001	44,212	46,550
HT I: General, Ferro Alloys & HMWS	20,484	21,754	23,117	24,582	26,157
HT II: Others	4,645	4,987	5,357	5,758	6,193
HT III: Airport, Bus Stations and Railway Stations	168	176	186	221	233
HT IV: LIS	4,649	5074	5539	6050	6609
HT V: Railway Traction	1,261	1,386	1,524	1,661	1,843
HT VI: Township and residential colonies	533	581	635	693	757
HT VIII: Temporary	255	270	285	302	320
HT IX: EVs	23	24	26	27	29
Total HT	32,019	34,252	36,668	39,293	42,139
Total (LT+HT)	69,952	74,163	78,670	83,505	88,689

Commission's Analysis

- 4.1.4 The Commission has analysed the submissions made by TSDISCOMs. The Commission in its earlier Orders (Retail Supply Tariff Orders) has considered the 5-Year CAGR with minor modifications in some categories while approving the Sales for each category. In order to ensure consistency, the Commission has adopted the similar methodology while projecting the sales. The Commission has relied on actual data pertaining to previous five Years (FY 2018-19 to FY 2022-23) for projection of number of consumers, connected load and sales for the Control Period. Further, the Commission has analysed the Category-wise 5-Year CAGR, 4-Year CAGR, 3-Year CAGR, 2-Year CAGR, Year-on-Year growth rate and category-wise sales approved by the Commission in its Order for FY 2023-24 for projection of future Control Period figures. For most of the categories, the Commission has considered 4-Year or 5-Year CAGR, however, the Commission

has considered nominal growth rate wherever CAGR was showing abnormal.

- 4.1.5 For estimation of the Number of Consumers, Connected Load and Sales for 5th Control Period and 6th Control Period, the Commission has adopted the following methodology:

Number of Consumers (TSSPDCL)

- 4.1.6 **LT Consumers:** For all LT Consumers except LT III (Industry), LT VI (Streetlight & PWS), LT VIII (Temporary Supply) and LT IX (EV Charging Stations), the Commission has considered the actual number of consumers for FY 2022-23 and escalated the same by 5-year CAGR (FY 2022-23 upon FY 2018-19) for the respective category to arrive at the number of consumers for 5th Control Period and 6th Control Period. For other categories, the Commission observed that 5-year CAGR is either too low or very high, which does not reflect the true past pattern, therefore, the Commission has considered the nominal growth rate of 5% for such categories to project the number of consumers for 5th Control Period and 6th Control Period.
- 4.1.7 **HT Consumers:** For all HT Consumers except HT V (Railway Traction), HT VII (Temporary Supply) and HT IX (EV Charging Stations), the Commission has considered the actual number of consumers for FY 2022-23 and escalated the same by 5-year CAGR (FY 2022-23 upon FY 2018-19) for the respective category to arrive at the number of consumers for 5th Control Period and 6th Control Period. For other categories, the Commission observed that 5-year CAGR is either too low or very high, which does not reflect the true past pattern, therefore, the Commission has considered the 2-year CAGR for HT V (Railway Traction) and nominal escalation factor of 5% for HT VII (Temporary Supply) and HT IX (EV Charging Stations) to project the number of consumers for 5th Control Period and 6th Control Period.
- 4.1.8 Accordingly, the projected number of consumers approved by the Commission for 5th Control Period and 6th Control Period is as shown in the Table below:

Table 4-5: No. of Consumers approved for TSSPDCL for 5th Control Period (Nos.)

Category	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
LT I Domestic	8,309,136	8,779,088	9,275,620	9,800,235	10,354,521

Category	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
LT II Non-Domestic /Commercial	1,238,732	1,322,200	1,411,291	1,506,386	1,607,888
LT III Industry	49,847	52,340	54,957	57,705	60,590
LT IV Cottage Industry	4,866	5,017	5,173	5,333	5,498
LT V Agriculture	1,421,589	1,480,710	1,542,291	1,606,432	1,673,241
LT VI Street lighting & PWS	119,370	125,338	131,605	138,186	145,095
LT VII General	25,869	26,475	27,095	27,729	28,379
LT VIII Temporary Supply	14,038	14,740	15,477	16,251	17,063
LT IX EV Charging Stations	58	61	64	68	71
LT Total	11,183,505	11,805,969	12,463,572	13,158,324	13,892,346
HT I (A)General	6,596	6,890	7,197	7,518	7,854
HT I (B) Ferro Alloy Units	3	3	3	3	3
HT II Other	5,008	5,330	5,673	6,039	6,428
HT III Airport, Bus & Railway Station	13	13	14	14	15
HT IV Govt. LIS & PWS	314	323	333	344	355
HT V Railway Traction	20	22	24	27	30
HT VI Township & Residential Colonies	255	278	303	331	361
HT VII Temporary Supply	542	570	598	628	659
HT VIII RESCOs	-	-	-	-	-
HT IX Electric Vehicle Charging Stations	3	3	4	4	4
HT Total	12,754	13,432	14,150	14,908	15,709
Total	11,196,259	11,819,401	12,477,722	13,173,231	13,908,056

Table 4-6: No. of Consumers approved for TSSPDCL for 6th Control Period (Nos.)

Category	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
LT I Domestic	10,940,157	11,558,915	12,212,670	12,903,400	13,633,196
LT II Non-Domestic /Commercial	1,716,230	1,831,872	1,955,306	2,087,057	2,227,685
LT III Industry	63,619	66,800	70,140	73,647	77,330
LT IV Cottage Industry	5,669	5,844	6,025	6,212	6,405
LT V Agriculture	1,742,829	1,815,310	1,890,806	1,969,442	2,051,348
LT VI Street lighting & PWS	152,350	159,967	167,965	176,364	185,182
LT VII General	29,044	29,724	30,420	31,133	31,862
LT VIII Temporary Supply	17,917	18,812	19,753	20,741	21,778
LT IX EV Charging Stations	75	78	82	86	91
LT Total	14,667,888	15,487,324	16,353,168	17,268,081	18,234,876
HT I (A)General	8,205	8,573	8,957	9,359	9,779
HT I (B) Ferro Alloy Units	3	3	3	3	3
HT II Other	6,843	7,285	7,756	8,258	8,792
HT III Airport, Bus & Railway Station	16	16	17	17	18
HT IV Govt. LIS & PWS	366	379	392	405	420
HT V Railway Traction	33	37	41	45	50
HT VI Township & Residential Colonies	393	429	468	510	556
HT VII Temporary Supply	692	727	763	801	841
HT VIII RESCOs	-	-	-	-	-
HT IX Electric Vehicle Charging Stations	4	4	5	5	5

Category	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
HT Total	16,557	17,453	18,401	19,404	20,465
Total	14,684,444	15,504,777	16,371,569	17,287,486	18,255,342

Number of Consumers (TSNPDCL)

4.1.9 **LT Consumers:** For all LT Consumers except LT III (industry), LT VI (Streetlight & PWS), LT VIII (Temporary Supply) and LT IX (EV Charging Stations), the Commission has considered the actual number of consumers for FY 2022-23 and escalated the same by 5-year CAGR (FY 2022-23 upon FY 2018-19) for the respective category to arrive at the number of consumers for 5th Control Period and 6th Control Period. For other categories, the Commission observed that 5-year CAGR is either too low or very high, which does not reflect the true past pattern, therefore, the Commission has considered the nominal growth rate of 5% for such category to project the number of consumers for 5th Control Period and 6th Control Period.

4.1.10 **HT Consumers:** For all HT Consumers except HT V (Railway Traction), HT VII (Temporary Supply), HT VIII (RESCOs) and HT IX (EV Charging Stations), the Commission has considered the actual number of consumers for FY 2022-23 and escalated the same by 5-year CAGR (FY 2022-23 upon FY 2018-19) for the respective category to arrive at the number of consumers for 5th Control Period and 6th Control Period. For other categories, the Commission observed that 5-year CAGR is either too low or very high, which does not reflect the true past pattern actions, therefore, the Commission has considered 2-year CAGR for HT V (Railway Traction) and nominal growth rate of 5% for HT VII (Temporary Supply), HT VIII (RESCOs) and HT IX (EV Charging Stations) to project the number of consumers for 5th Control Period and 6th Control Period.

4.1.11 Accordingly, the number of consumer projections approved by the Commission for 5th Control Period and 6th Control Period is as shown in the Table below:

Table 4-7: No. of Consumers approved for TSNPDCL for 5th Control Period (Nos.)

Category	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
LT I Domestic	4,236,623	4,405,843	4,581,822	4,764,830	4,955,148
LT II Non-Domestic /Commercial	567,411	614,869	666,296	722,024	782,414

Category	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
LT III Industry	24,380	25,599	26,878	28,222	29,634
LT IV Cottage Industry	6,876	7,185	7,508	7,846	8,199
LT V Agriculture	1,370,372	1,414,868	1,460,810	1,508,243	1,557,216
LT VI Street lighting & PWS	91,707	96,292	101,107	106,162	111,470
LT VII General	25,008	25,653	26,315	26,994	27,690
LT VIII Temporary Supply	3,316	3,482	3,656	3,839	4,031
LT IX EV Charging Stations	32	34	35	37	39
LT Total	6,325,724	6,593,825	6,874,428	7,168,198	7,475,841
HT I (A)General	2,731	2,928	3,139	3,366	3,609
HT I (B) Ferro Alloy Units	1	1	1	1	1
HT II Other	816	896	984	1,081	1,187
HT III Airport, Bus & Railway Station	22	23	24	25	25
HT IV Govt. LIS & PWS	450	480	515	553	598
HT V Railway Traction	13	14	14	15	16
HT VI Township & Residential Colonies	29	30	31	32	33
HT VII Temporary Supply	57	60	63	66	70
HT VIII RESCOs	1	1	1	1	1
HT IX Electric Vehicle Charging Stations	-	-	-	-	-
HT Total	4,121	4,433	4,772	5,140	5,539
Total	6,329,845	6,598,258	6,879,200	7,173,338	7,481,380

Table 4-8: No. of Consumers approved for TSNPDCL for 6th Control Period (Nos.)

Category	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
LT I Domestic	5,153,067	5,358,891	5,572,937	5,795,532	6,027,018
LT II Non-Domestic /Commercial	847,855	918,769	995,614	1,078,887	1,169,125
LT III Industry	31,115	32,671	34,305	36,020	37,821
LT IV Cottage Industry	8,569	8,954	9,357	9,778	10,219
LT V Agriculture	1,607,779	1,659,984	1,713,885	1,769,535	1,826,993
LT VI Street lighting & PWS	117,044	122,896	129,041	135,493	142,267
LT VII General	28,405	29,138	29,889	30,660	31,451
LT VIII Temporary Supply	4,233	4,444	4,666	4,900	5,145
LT IX EV Charging Stations	41	43	45	47	50
LT Total	7,798,107	8,135,791	8,489,739	8,860,853	9,250,088
HT I (A)General	3,870	4,149	4,450	4,772	5,117
HT I (B) Ferro Alloy Units	1	1	1	1	1
HT II Other	1,304	1,433	1,574	1,729	1,900
HT III Airport, Bus & Railway Station	26	27	28	29	29
HT IV Govt. LIS & PWS	648	705	771	846	933
HT V Railway Traction	16	17	18	19	19
HT VI Township & Residential Colonies	33	34	35	36	37
HT VII Temporary Supply	73	77	81	85	89
HT VIII RESCOs	1	1	2	2	2
HT IX Electric Vehicle Charging Stations	-	-	-	-	-
HT Total	5,973	6,445	6,958	7,517	8,127

Category	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
Total	7,804,079	8,142,235	8,496,698	8,868,370	9,258,216

Connected Load (TSSPDCL)

- 4.1.12 **LT Consumers:** For all LT Consumers except LT IV (Cottage Industry), LT V (Agriculture), LT VIII (Temporary Supply) and LT IX (EV Charging Stations), the Commission has considered the actual Connected Load for FY 2022-23 and escalated the same by 5-year CAGR (FY 2022-23 upon FY 2018-19) for the respective category to arrive at the Connected Load for 5th Control Period and 6th Control Period. For LT IV (Cottage Industry), the Commission observed that 5-year CAGR (35.21%) is too high whereas the 4-year CAGR is negative (-2.86%), hence, the Commission has considered 3-year CAGR (FY 2022-23 upon FY 2020-21, i.e., 2.07%).
- 4.1.13 As regards LT V (Agriculture), the Commission observed that 5-year CAGR is too high (43.47%), hence, the Commission has considered 4-year CAGR (3.30%).
- 4.1.14 For LT VIII (Temporary Supply), the Commission has considered the nominal growth rate of 5% to project the Connected Load. Further, concept of EV charging is new and still in its emerging stage, therefore, there is no past history and pattern for the same, hence, the Commission considered the nominal growth rate of 5% to project the Connected Load of LT IX (EV Charging Stations) for 5th Control Period and 6th Control Period.
- 4.1.15 **HT Consumers:** For HT I(A) (General), HT II (Other) Category and HT III (Airport, Bus Station & Railways Station) and HT V (Railway Traction), the Commission has considered the actual Connected Load of 2022-23 and escalated the same by 5-year CAGR (FY 2022-23 upon FY 2018-19) for the respective category to arrive at Connected Load for 5th Control Period and 6th Control Period, whereas the Commission has considered no growth for HT I(B) (Ferro Alloy Units) based on the past pattern.
- 4.1.16 For HT IV (Govt. LIS & PWS) connected at 11 kV, the Commission has considered the actual Connected Load of 2022-23 and escalated the same by 5-year CAGR (FY 2022-23 upon FY 2018-19), whereas for HT IV (Govt. LIS &

PWS) connected at 33 kV and 132 kV, the Commission observed that 5-year CAGR is above 10%, which is on higher side, hence, the Commission has considered the nominal growth of 5% for HT IV (Govt. LIS & PWS) connected at 33 kV and 132 kV.

4.1.17 For HT VI (Township and Residential Colonies), HT VII (Temporary Supply) and HT IX (EV Charging Stations), the Commission observed that 5-year CAGR is above 10%, which is on higher side, hence, the Commission has considered the nominal growth of 5% for projection of Connected Load for 5th Control Period and 6th Control Period.

4.1.18 Accordingly, the consumer category-wise Connected Load projections approved by the Commission for 5th Control Period and 6th Control Period is as shown in the Tables below:

Table 4-9: Connected Load approved for TSSPDCL for 5th Control Period (MVA)

Category	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
LT I Domestic	12920	14080	15344	16722	18223
LT II Non-Domestic /Commercial	4240	4614	5020	5463	5944
LT III Industry	1289	1334	1381	1429	1478
LT IV Cottage Industry	16	17	17	17	18
LT V Agriculture	6081	6282	6489	6704	6925
LT VI Street lighting & PWS	333	349	367	385	404
LT VII General	82	89	95	102	110
LT VIII Temporary Supply	113	118	124	131	137
LT IX EV Charging Stations	2	2	2	2	3
LT Total	25077	26885	28840	30955	33242
HT I (A)General	4563	4871	5202	5558	5941
HT I (B) Ferro Alloy Units	83	83	83	83	83
HT II Other	1623	1728	1839	1957	2083
HT III Airport, Bus & Railway Station	13	13	13	13	13
HT IV Govt. LIS & PWS	2053	2158	2268	2384	2506
HT V Railway Traction	163	179	196	214	235
HT VI Township & Residential Colonies	161	169	178	186	196
HT VII Temporary Supply	138	145	152	160	168
HT VIII RESCOs	-	-	-	-	-
HT IX Electric Vehicle Charging Stations	3	3	3	3	3
HT Total	8801	9348	9934	10559	11228
Total	33878	36234	38774	41514	44470

Table 4-10: Connected Load approved for TSSPDCL for 6th Control Period (MVA)

Category	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
LT I Domestic	19859	21642	23586	25703	28011
LT II Non-Domestic /Commercial	6468	7038	7658	8332	9067
LT III Industry	1530	1583	1638	1695	1755
LT IV Cottage Industry	18	18	19	19	19
LT V Agriculture	7154	7390	7634	7886	8147
LT VI Street lighting & PWS	424	445	467	490	515
LT VII General	118	127	137	147	158
LT VIII Temporary Supply	144	151	159	167	175
LT IX EV Charging Stations	3	3	3	3	3
LT Total	35718	38398	41300	44443	47849
HT I (A)General	6353	6797	7275	7790	8345
HT I (B) Ferro Alloy Units	83	83	83	83	83
HT II Other	2217	2360	2512	2675	2847
HT III Airport, Bus & Railway Station	13	13	13	14	14
HT IV Govt. LIS & PWS	2633	2768	2909	3058	3214
HT V Railway Traction	257	282	309	338	370
HT VI Township & Residential Colonies	205	216	227	238	250
HT VII Temporary Supply	176	185	194	204	214
HT VIII RESCOs	-	-	-	-	-
HT IX Electric Vehicle Charging Stations	4	4	4	4	4
HT Total	11943	12708	13527	14404	15343
Total	47661	51106	54827	58847	63192

Connected Load (TSNPDCCL)

- 4.1.19 **LT Consumers:** For LT I (Domestic) and LT II (Non-Domestic/ Commercial), the Commission observed that 2-year CAGR to 5-year CAGR is too high. The Commission is of the view that such high growth will not be seen in future, and has therefore, considered 1-year CAGR (2.47% for LT I (Domestic) and 4.34% for LT II (Non-Domestic/ Commercial), for projection of Connected Load for 5th Control Period and 6th Control Period.
- 4.1.20 For LT III (Industry), the Commission observed that 5-year CAGR (-2.70%) is negative, hence, the Commission has considered 4-year CAGR (2.84%).
- 4.1.21 For LT V (Agriculture), the Commission observed that 5-year CAGR (7.32%) appears to be on higher side, hence, the Commission has considered 4-year CAGR (2.61%).
- 4.1.22 For LT IV (Cottage Industry), LT VI Street lighting & PWS, and LT VII General, the Commission has considered the actual Connected Load of 2022-23 and

escalated the same by 5-year CAGR (FY 2022-23 upon FY 2018-19) for the respective category to arrive at Connected Load for 5th Control Period and 6th Control Period.

- 4.1.23 For LT VIII (Temporary Supply) and LT IX (EV Charging Stations), the Commission observed that 5-year CAGR is not available, therefore, the Commission has considered the nominal growth rate of 5% to project the Connected Load for 5th Control Period and 6th Control Period.
- 4.1.24 **HT Consumers:** For HT I(A) (General), the Commission has considered the actual Connected Load of 2022-23 and escalated the same by 5-year CAGR (FY 2022-23 upon FY 2018-19) for the respective category to arrive at Connected Load for 5th Control Period and 6th Control Period, whereas the Commission has considered no growth for HT I(B) (Ferro Alloy Units) based on the past pattern.
- 4.1.25 For HT II (Other) Category connected at 11 kV, the Commission has considered the actual Connected Load of 2022-23 and escalated the same by 5-year CAGR (FY 2022-23 upon FY 2018-19), whereas for HT II (Other) Category connected at 33 kV and 132 kV, the Commission observed that 5-year and 4-year CAGR is negative, hence, the Commission has considered 3-year CAGR (6.35%) to derive the Connected Load.
- 4.1.26 For HT III (Airport, Bus Station & Railways Station), the Commission has considered the actual Connected Load of 2022-23 and escalated the same by 5-year CAGR (FY 2022-23 upon FY 2018-19) for the respective category to arrive at Connected Load for 5th Control Period and 6th Control Period.
- 4.1.27 For HT IV (Govt. LIS & PWS) connected at 11 kV, the Commission has considered the actual Connected Load of 2022-23 and escalated the same by 5-year CAGR (FY 2022-23 upon FY 2018-19), whereas for HT IV (Govt. LIS & PWS) connected at 33 kV and 132 kV, the Commission observed that the 5-year CAGR is above 10%, which is on higher side, hence, the Commission has considered the nominal growth of 5% for HT IV (Govt. LIS & PWS) connected at 33 kV and 132 kV.
- 4.1.28 For HT V (Railway Traction) and HT VI (Township and Residential Colonies), the

Commission has considered the actual Connected Load of 2022-23 and escalated the same by 5-year CAGR (FY 2022-23 upon FY 2018-19) for the respective category to arrive at Connected Load for 5th Control Period and 6th Control Period.

4.1.29 For HT VII (Temporary Supply) and HT VIII (RESCOs), the Commission observed that the 5-year CAGR is not available, hence, the Commission has considered the nominal growth of 5% for projection of Connected Load for 5th Control Period and 6th Control Period.

4.1.30 Accordingly, the consumer category-wise Connected Load projections approved by the Commission for 5th Control Period and 6th Control Period is as shown in the Table below:

Table 4-11: Connected Load approved for TSNPDCL for 5th Control Period (MVA)

Category	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
LT I Domestic	4556	4668	4783	4902	5022
LT II Non-Domestic /Commercial	1152	1202	1254	1309	1366
LT III Industry	410	422	434	447	459
LT IV Cottage Industry	23	26	28	31	34
LT V Agriculture	6024	6181	6342	6508	6678
LT VI Street lighting & PWS	100	110	120	131	143
LT VII General	64	68	73	78	83
LT VIII Temporary Supply	13	14	15	16	16
LT IX EV Charging Stations	1	1	1	1	1
LT Total	12344	12692	13051	13421	13803
HT I (A)General	886	949	1017	1092	1174
HT I (B) Ferro Alloy Units	0	0	0	0	0
HT II Other	150	160	170	181	193
HT III Airport, Bus & Railway Station	3	3	3	3	3
HT IV Govt. LIS & PWS	2944	3090	3244	3405	3574
HT V Railway Traction	178	183	188	192	197
HT VI Township & Residential Colonies	52	54	55	56	58
HT VII Temporary Supply	20	21	22	23	24
HT VIII RESCOs	571	599	629	661	694
HT IX Electric Vehicle Charging Stations	-	-	-	-	-
HT Total	4804	5058	5328	5615	5918
Total	17148	17751	18379	19036	19721

Table 4-12: Connected Load approved for TSNPDCL for 6th Control Period (MVA)

Category	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
LT I Domestic	5146	5273	5404	5537	5673

Category	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
LT II Non-Domestic /Commercial	1425	1487	1551	1619	1689
LT III Industry	473	486	500	514	529
LT IV Cottage Industry	37	41	45	50	55
LT V Agriculture	6852	7030	7214	7402	7595
LT VI Street lighting & PWS	156	171	187	204	223
LT VII General	89	95	101	108	115
LT VIII Temporary Supply	17	18	19	20	21
LT IX EV Charging Stations	2	2	2	2	2
LT Total	14197	14603	15022	15455	15902
HT I (A)General	1264	1362	1469	1586	1714
HT I (B) Ferro Alloy Units	0	0	0	0	0
HT II Other	206	220	235	251	268
HT III Airport, Bus & Railway Station	3	3	3	3	3
HT IV Govt. LIS & PWS	3752	3939	4135	4340	4556
HT V Railway Traction	202	207	212	218	223
HT VI Township & Residential Colonies	60	61	63	65	67
HT VII Temporary Supply	26	27	28	30	31
HT VIII RESCOs	728	765	803	843	885
HT IX Electric Vehicle Charging Stations	-	-	-	-	-
HT Total	6241	6584	6949	7336	7749
Total	20438	21187	21971	22791	23651

Sales (TSSPDCL)

- 4.1.31 **LT Consumers:** For all LT I (Domestic), LT II (Non-Domestic/Commercial) and LT VII (General), the Commission has considered the actual Sales of 2022-23 and escalated the same by 5-year CAGR (FY 2022-23 upon FY 2018-19) for the respective category to arrive at Sales for 5th Control Period. As the sales will reach saturation and will not grow in same proportion for next 10 years, the Commission has considered the reduced growth rate for projecting the sales for 6th Control Period.
- 4.1.32 For LT III (Industry), LT IV (Cottage Industry) and LT V (Agriculture), the Commission observed that 5-Year CAGR was 1.84%, 1.02% and 1.39%, respectively, which seems to be on lower side, hence, the Commission has considered the nominal growth rate of 5% to derive the Sales for 5th Control Period. As the sales will reach saturation and will not grow in same proportion for next 10 years, the Commission has considered the reduced growth rate for projecting the sales for 6th Control Period.
- 4.1.33 For LT VI (Street lighting & PWS), the Commission observed that CAGR is negative for all 5 years, hence, the Commission has considered the nominal

escalation factor of 2% to derive the sales for 5th Control Period and 6th Control Period.

- 4.1.34 For LT VIII (Temporary Supply) and LT IX (EV Charging Stations), the Commission observed that 5-year CAGR is not available, therefore, the Commission has considered the growth rate of 5% and 10% to project the Sales for 5th. As the sales will reach saturation and will not grow in same proportion for next 10 years, the Commission has considered the reduced growth rate for projecting the sales for 6th Control Period.
- 4.1.35 **HT Consumers:** For HT I (General & Ferro Alloy Units) and HT II (Other), the Commission observes the 5-year CAGR (10.43% & 8.16%) is on the higher side, hence, the Commission has considered 4-Year CAGR (5.91% and 6.27%), to derive the Sales for 5th Control Period. As the sales will reach saturation and will not grow in same proportion for next 10 years, the Commission has considered the reduced growth rate for projecting the sales for 6th Control Period.
- 4.1.36 For HT III (Airport, Bus and Railway Station), the Commission observed that 5-year CAGR is negative, whereas 1-year CAGR is 13.29%, hence, the Commission has considered the nominal growth rate of 10% for 5th Control Period to neutralize any abnormality during the previous period. As the sales will reach saturation and will not grow in same proportion for next 10 years, the Commission has considered the reduced growth rate for projecting the sales for 6th Control Period.
- 4.1.37 For HT IV (Govt. LIS & PWS), the Commission observed that 5-year CAGR (more than 15%) is on higher side, hence, the Commission has considered the nominal growth rate of 10% for 5th Control Period to neutralize any abnormality during the previous period. As the sales will reach saturation and will not grow in same proportion for next 10 years, the Commission has considered the reduced the growth rate for projecting the sales for 6th Control Period.
- 4.1.38 For HT V (Railways) and HT VI (Township and Residential Colony), the Commission observed that CAGR of last 5-years is more than 10%, which seems to be on higher side, hence, the Commission has considered the nominal growth

rate of 10% to derive the Sales for 5th. As the sales will reach saturation and will not grow in same proportion for next 10 years, the Commission has considered the reduced growth rate for projecting the sales for 6th Control Period.

4.1.39 For HT VIII (Temporary Supply) and HT IX (Electric Vehicle Charging Station), the Commission has considered the nominal growth rate of 5% and 10%, respectively, to derive the sales for 5th Control Period. As the sales will reach saturation and will not grow in same proportion for next 10 years, the Commission has considered the reduced growth rate for projecting the sales for 6th Control Period.

4.1.40 Accordingly, the consumer category-wise sales projections approved by the Commission for 5th Control Period and 6th Control Period is as shown in the Table below:

Table 4-13: Sales approved for TSSPDCL for 5th Control Period (MU)

Category	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
LT I Domestic	11109	11737	12401	13102	13843
LT II Non-Domestic /Commercial	3411	3591	3781	3981	4191
LT III Industry	1029	1080	1134	1191	1250
LT IV Cottage Industry	11	11	12	12	13
LT V Agriculture	13370	14039	14741	15478	16252
LT VI Street lighting & PWS	486	495	505	515	526
LT VII General	96	101	105	110	115
LT VIII Temporary Supply	106	112	117	123	129
LT IX EV Charging Stations	2	2	3	3	3
LT Total	29,620	31,168	32,798	34,515	36,322
HT I (A)General	15745	16715	17760	18888	20107
HT I (B) Ferro Alloy Units	266	272	279	285	292
HT II Other	3542	3769	4014	4278	4562
HT III Airport, Bus & Railway Station	79	87	96	105	116
HT IV Govt. LIS & PWS	2846	3131	3444	3789	4167
HT V Railway Traction	578	636	700	770	846
HT VI Township & Residential Colonies	373	410	451	496	546
HT VII Temporary Supply	214	225	236	248	260
HT VIII RESCOs	0	0	0	0	0
HT IX Electric Vehicle Charging Stations	7	7	8	9	10
HT Total	23,650	25,252	26,987	28,868	30,907
Total	53,270	56,421	59,786	63,382	67,228

Table 4-14: Sales approved for TSSPDCL for 6th Control Period (MU)

Category	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
LT I Domestic	14,487	15,162	15,867	16,606	17,379
LT II Non-Domestic /Commercial	4,371	4,558	4,753	4,957	5,169
LT III Industry	1,300	1,352	1,407	1,463	1,521
LT IV Cottage Industry	13	14	14	15	16
LT V Agriculture	16,902	17,578	18,281	19,012	19,773
LT VI Street lighting & PWS	536	547	558	569	580
LT VII General	119	123	128	132	137
LT VIII Temporary Supply	134	140	145	151	157
LT IX EV Charging Stations	4	4	4	5	5
LT Total	37,866	39,477	41,157	42,909	44,736
HT I (A)General	21,275	22,531	23,881	25,335	26,900
HT I (B) Ferro Alloy Units	300	307	314	322	330
HT II Other	4,823	5,103	5,403	5,724	6,070
HT III Airport, Bus & Railway Station	125	135	146	157	170
HT IV Govt. LIS & PWS	4,501	4,861	5,250	5,670	6,123
HT V Railway Traction	914	987	1,066	1,152	1,244
HT VI Township & Residential Colonies	589	637	687	742	802
HT VII Temporary Supply	271	282	293	305	317
HT VIII RESCOs	0	0	0	0	0
HT IX Electric Vehicle Charging Stations	11	11	12	13	14
HT Total	32,809	34,854	37,053	39,420	41,969
Total	70,675	74,330	78,210	82,329	86,706

Sales (TSNPDCCL)

- 4.1.41 **LT Consumers:** For all LT I (Domestic), LT II (Non-Domestic/Commercial), LT IV (Cottage Industry), LT V (Agriculture), LT VI (Street lighting & PWS), and LT VII (General), the Commission has considered the actual Sales of 2022-23 and escalated the same by 5-year CAGR (FY 2022-23 upon FY 2018-19) for the respective category to arrive at Sales for 5th Control Period. As the sales will reach saturation and will not grow in same proportion for next 10 years, the Commission has considered the reduced growth rate for projecting the sales for 6th Control Period.
- 4.1.42 For LT III (Industry), the Commission observed that 5-Year CAGR is negative which gradually increases, hence, the Commission has considered the nominal growth rate of 5% to derive the Sales for 5th Control Period. As the sales will reach saturation and will not grow in same proportion for next 10 years, the Commission has considered the reduced growth rate for projecting the sales for 6th Control Period.

- 4.1.43 For LT VIII (Temporary Supply) and LT IX (EV Charging Stations), the Commission observed that 5-year CAGR is not available, therefore, the Commission has considered the nominal growth rate of 5% and 10% to project the Sales for 5th Control Period. As the sales will reach saturation and will not grow in same proportion for next 10 years, the Commission has considered the reduced growth rate for projecting the sales for 6th Control Period.
- 4.1.44 **HT Consumers:** For HT I (General & Ferro Alloy Units), HT II (Other), HT III (Airport, Bus station and Railway Station) and HT V (Railway Traction), the Commission has considered the actual Sales of FY 2022-23 and escalated the same by 5-year CAGR (FY 2022-23 upon FY 2018-19) for the respective category to arrive at Sales for 5th Control Period. As the sales will reach saturation and will not grow in same proportion for next 10 years, the Commission has considered the reduced growth rate for projecting the sales for 6th Control Period.
- 4.1.45 For HT IV (Govt. LIS & PWS), the Commission observed that 5-year CAGR (more than 15%) is on higher side, hence, the Commission has considered the nominal growth rate of 10% for the 5th Control Period to neutralize any abnormality during the previous period. As the sales will reach saturation and will not grow in same proportion for next 10 years, the Commission has considered the reduced growth rate for projecting the sales for 6th Control Period.
- 4.1.46 For HT VI (Township and Residential Colony), the Commission observed that CAGR of last 5-years is negative, hence, the Commission has considered the nominal growth rate of 2% to derive the Sales for 5th Control Period and 6th Control Period.
- 4.1.47 For HT VII (Temporary Supply) and HT VIII (RESCOs), the Commission has considered the nominal growth rate of 5% to derive the sales for 5th Control Period. As the sales will reach saturation and will not grow in same proportion for next 10 years, the Commission has considered the reduced growth rate for projecting the sales for 6th Control Period.
- 4.1.48 Accordingly, the consumer category-wise sales projections approved by the Commission for 5th Control Period and 6th Control Period is as shown in the Table

below:

Table 4-15: Sales approved for TSNPDCL for 5th Control Period (MU)

Category	FY	FY	FY	FY	FY
	2024-25	2025-26	2026-27	2027-28	2028-29
LT I Domestic	4297	4515	4745	4986	5239
LT II Non-Domestic /Commercial	993	1057	1126	1199	1277
LT III Industry	261	274	288	302	318
LT IV Cottage Industry	9	9	10	10	11
LT V Agriculture	8281	8496	8717	8943	9175
LT VI Street lighting & PWS	373	383	393	403	414
LT VII General	64	67	71	74	77
LT VIII Temporary Supply	11	12	13	13	14
LT IX EV Charging Stations	-	-	-	-	-
LT Total	14,291	14,815	15,361	15,931	16,524
HT I (A)General	2087	2203	2329	2467	2617
HT I (B) Ferro Alloy Units	21	21	21	21	21
HT II Other	219	229	240	251	263
HT III Airport, Bus & Railway Station	8	9	9	9	9
HT IV Govt. LIS & PWS	2503	2753	3029	3332	3665
HT V Railway Traction	647	690	735	782	833
HT VI Township & Residential Colonies	131	134	136	139	142
HT VII Temporary Supply	35	36	38	40	42
HT VIII RESCOs	1143	1200	1260	1323	1389
HT IX Electric Vehicle Charging Stations	-	-	-	-	-
HT Total	6,794	7,274	7,796	8,363	8,981
Total	21,085	22,089	23,157	24,294	25,505

Table 4-16: Sales approved for TSNPDCL for 6th Control Period (MU)

Category	FY	FY	FY	FY	FY
	2029-30	2030-31	2031-32	2032-33	2033-34
LT I Domestic	5,453	5,675	5,907	6,148	6,398
LT II Non-Domestic /Commercial	1,347	1,421	1,500	1,582	1,669
LT III Industry	330	344	357	372	386
LT IV Cottage Industry	11	11	12	12	13
LT V Agriculture	9,413	9,657	9,907	10,164	10,428
LT VI Street lighting & PWS	425	436	447	458	470
LT VII General	80	83	86	90	93
LT VIII Temporary Supply	14	15	16	16	17
LT IX EV Charging Stations	0	0	0	0	0
LT Total	17,073	17,642	18,231	18,842	19,474
HT I (A)General	2,765	2,924	3,096	3,283	3,485
HT I (B) Ferro Alloy Units	21	21	21	21	21
HT II Other	272	283	293	304	315
HT III Airport, Bus & Railway Station	9	10	10	10	10
HT IV Govt. LIS & PWS	3,995	4,354	4,746	5,173	5,639
HT V Railway Traction	879	928	979	1,033	1,090
HT VI Township & Residential Colonies	145	148	150	154	157
HT VII Temporary Supply	44	45	47	49	51
HT VIII RESCOs	1458	1531	1608	1688	1772
HT IX Electric Vehicle Charging Stations	-	-	-	-	-
HT Total	9,574	10,214	10,905	11,651	12,457
Total	26,647	27,856	29,136	30,493	31,931

4.2 Distribution Loss Trajectory

Petitioners' Submissions

4.2.1 The Petitioner submitted the distribution loss trajectory for the next two Control Periods as follows:

Table 4-17: Loss Trajectory of TSNPDCL for 5th Control Period

Description	FY 2021-22 (Actual)	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
LT Loss (%)	5.43%	5.40%	5.38%	5.37%	5.36%	5.35%	5.34%	5.33%
11kV Loss (%)	3.88%	3.87%	3.86%	3.85%	3.85%	3.84%	3.83%	3.83%
33kV Loss (%)	3.01%	3.50%	3.48%	3.47%	3.47%	3.46%	3.46%	3.45%

Table 4-18: Loss Trajectory of TSNPDCL for 6th Control Period

Description	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
LT Loss (%)	5.32%	5.31%	5.30%	5.29%	5.28%
11kV Loss (%)	3.82%	3.81%	3.80%	3.80%	3.80%
33kV Loss (%)	3.44%	3.44%	3.43%	3.43%	3.42%

Table 4-19: Loss Trajectory of TSSPDCL for 5th Control Period

Description	FY 2021-22 (Actual)	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
LT Loss (%)	5.77%	5.72%	5.67%	5.66%	5.65%	5.64%	5.63%	5.62%
11kV Loss (%)	4.25%	4.22%	4.19%	4.18%	4.17%	4.17%	4.16%	4.15%
33kV Loss (%)	3.20%	3.62%	3.60%	3.59%	3.59%	3.58%	3.57%	3.56%

Table 4-20: Loss Trajectory of TSSPDCL for 6th Control Period

Description	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
LT Loss (%)	5.61%	5.60%	5.59%	5.58%	5.58%
11kV Loss (%)	4.14%	4.14%	4.13%	4.12%	4.11%
33kV Loss (%)	3.56%	3.55%	3.54%	3.53%	3.53%

4.2.2 The Licensees have also submitted the estimation of total distribution losses including EHT loss level in the distribution system for 5th Control Period and 6th Control Period as follows:

Table 4-21: Estimated Distribution Loss Trajectory for FY 2023-24 and 5th Control Period – TSNPDCL

Particular	FY 2021-22 (Actual)	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Distribution loss including EHT (%)	9.15%	9.48%	9.39%	9.36%	9.30%	9.25%	9.19%	9.13%

Particular	FY 2021-22 (Actual)	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Distribution loss without EHT (%)	10.81%	11.26%	11.17%	11.11%	11.09%	11.07%	11.05%	11.03%

Table 4-22: Estimated Distribution Loss Trajectory for FY 2023-24 and 5th Control Period – TSSPDCL

Particular	FY 2021-22 (Actual)	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Distribution loss including EHT (%)	9.14%	9.26%	9.17%	9.06%	9.00%	8.95%	8.88%	8.82%
Distribution loss without EHT (%)	10.47%	10.67%	10.58%	10.53%	10.49%	10.45%	10.41%	10.36%

Table 4-23: Estimated Distribution Loss Trajectory for 6th Control Period – TSNPDCL

Particular	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
Distribution loss including EHT (%)	9.06%	8.99%	8.91%	8.83%	8.75%
Distribution loss without EHT (%)	11.00%	10.96%	10.93%	10.89%	10.85%

Table 4-24: Estimated Distribution Loss Trajectory for 6th Control Period – TSSPDCL

Particular	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
Distribution loss including EHT (%)	8.76%	8.70%	8.64%	8.57%	8.50%
Distribution loss without EHT (%)	10.32%	10.28%	10.23%	10.19%	10.14%

4.2.3 The licensees submitted that they are striving to reduce the losses by the implementation of loss reduction measures like strengthening of the network infrastructure, addition of network elements and undertaking Energy Audit to keep a close tab on the losses.

4.2.4 Action Plan for Distribution loss reduction:

The Licensees have submitted the action plan with following initiatives in order to bring down the distribution losses to sustainable levels:

- i. Bifurcation of over loaded 11 kV and 33 kV feeders
- ii. Bifurcation of existing mixed rural feeders into exclusive agricultural feeders, to know the exact agriculture sales and distribution losses and also to regulate the agriculture supply as per the directions of Govt. of Telangana, if instructed.

- iii. 11 kV AB cables are proposed wherever there is difficulty in maintaining minimum clearance from overhead lines in cities and towns (nearer to buildings or between the conductors in the circuit or tree growth areas)
- iv. LT AB cable is proposed in theft prone areas in TSNPDCL to reduce commercial losses. High loss divisions have been selected for LT AB cable installation
- v. IT/OT initiatives– LT and HT Billing and Customer Care, Customer Relationship Management, Energy Audit, BW/MIS, GIS and Network analysis, Centralized Customer care, web self-service, Network Management System and Enterprise Management System
- vi. Loss reduction by reliability improvement-- Proposal for providing of 33 kV and 11 kV covered conductor in tree prone area, Proposal for reinforcement of existing 33 kV and 11 kV line with HTLS conductor, where there is no provision for constructing new line
- vii. Implementation of SCADA projects, and DMS to improve reliability and also to improve sales
- viii. Additional Power transformers in existing 33/11 kV substations, where the existing power transformers are overloaded
- ix. Providing of additional DTRs and enhancement of capacity of DTRs.
- x. Replacement and Refurbishment of 33 kV, 11 kV and LV worn out breakers.
- xi. Renovation of DTR earthing
- xii. Replacement of defective and providing new AB switches
- xiii. GIS of Existing Network
- xiv. kVAh Billing to all LT consumers whose monthly consumption is more than 500 units.
- xv. Erection of capacitors to Agriculture motors

4.2.5 Further, in earlier Retail Supply Tariff Order(s), Commission has directed Distribution Licensees to provide the action plan for reduction of AT&C losses in areas where the AT&C losses are more than 15%. Licensees have identified the circles where losses are more than 15% and submitted the action plan for reduction of AT&C losses in respective circles as follows:

- i. Augmentation of Power Transformer Capacity, New Substations and Capacitor banks.
- ii. Bifurcation of over loaded feeders.
- iii. Prepaid Meters to all Government Services.
- iv. To collect pending Government arrears.
- v. TOD billing in select LT categories – High Value LT Domestic, Commercial and LT Industry; HT Services like Hospitals, Municipal sewage treatment plants and Mission Bhageeratha water works.
- vi. Periodical inspection of services to reduce the Commercial Losses.
- vii. Replacement of Non-IR Port meters and mechanical meters with High quality IRDA port meters.
- viii. Minimizing of breakdowns and interruptions.

Commission's Analysis:

4.2.6 The comparison of approved target for wheeling losses vis-à-vis actual achievement for 4th Control Period is as shown in the Tables below:

Table 4-25: Wheeling losses for TSSPDCL for 4th Control Period

Voltage Level	FY 2019-20		FY 2020-21		FY 2021-22		FY 2022-23		FY 2023-24	
	Tariff Order	Actual	Tariff Order	Actual	Tariff Order	Actual	Tariff Order	Actual	Tariff Order	Actual
33 kV	3.68%	3.70%	3.66%	3.66%	3.64%	3.20%	3.63%	-	3.61%	-
11 kV	4.22%	4.70%	4.19%	4.02%	4.16%	4.25%	4.13%	-	4.10%	-
LT	4.95%	5.21%	4.90%	5.77%	4.85%	5.79%	4.80%	-	4.75%	-

Table 4-26: Wheeling losses for TSNPDCL for 4th Control Period

Voltage Level	FY 2019-20		FY 2020-21		FY 2021-22		FY 2022-23		FY 2023-24	
	Tariff Order	Actual	Tariff Order	Actual	Tariff Order	Actual	Tariff Order	Actual	Tariff Order	Actual
33 kV	3.56%	3.06%	3.54%	3.01%	3.52%	3.01%	3.50%	-	3.48%	-
11 kV	3.89%	3.88%	3.86%	3.88%	3.83%	3.88%	3.80%	-	3.77%	-
LT	4.95%	5.59%	4.90%	5.33%	4.85%	5.43%	4.80%	-	4.75%	-

4.2.7 It is observed that TSDISCOMS have taken sustainable effort to reduce their losses and have been able to achieve the target loss level for 33 kV and 11 kV while the LT loss is still on higher side. It is also assumed that due to various measures taken in the past for the loss reduction, the LT losses will also reduce in the future.

4.2.8 Further, it is pertinent to mention that the Commission has also allowed the capital

expenditure towards loss reduction in the past Control Period. Therefore, the Commission does not find it prudent to consider the higher actual loss as base values for specifying the trajectory for 5th Control Period & 6th Control Period.

4.2.9 The Commission has considered the base level of loss as lower of approved and actual for each voltage level. Thereafter, the Commission has considered the annual reduction of 0.02%, 0.03% and 0.05% for 33 kV, 11 kV and LT levels, respectively.

4.2.10 Based on the above, the wheeling losses approved by the Commission for 5th Control Period and 6th Control Period is as shown in the Tables below:

Table 4-27: Wheeling losses claimed and approved for TSSPDCL for 5th Control Period

Voltage Level	FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29	
	Proposed	Approved	Proposed	Approved	Proposed	Approved	Proposed	Approved	Proposed	Approved
LT	5.66%	4.66%	5.65%	4.61%	5.64%	4.56%	5.63%	4.51%	5.62%	4.46%
11 kV	4.16%	4.07%	4.17%	4.04%	4.17%	4.01%	4.16%	3.98%	4.15%	3.95%
33 kV	3.59%	3.48%	3.59%	3.46%	3.58%	3.44%	3.57%	3.42%	3.56%	3.40%

Table 4-28: Wheeling losses claimed and approved for TSSPDCL for 6th Control Period

Voltage Level	FY 2029-30		FY 2030-31		FY 2031-33		FY 2032-33		FY 2033-34	
	Proposed	Approved	Proposed	Approved	Proposed	Approved	Proposed	Approved	Proposed	Approved
LT	5.61%	4.41%	5.60%	4.36%	5.59%	4.31%	5.58%	4.26%	5.58%	4.21%
11 kV	4.14%	3.92%	4.14%	3.89%	4.13%	3.86%	4.12%	3.83%	4.11%	3.80%
33 kV	3.56%	3.38%	3.55%	3.36%	3.54%	3.34%	3.53%	3.32%	3.53%	3.30%

Table 4-29: Wheeling losses claimed and approved for TSNPDCL for 5th Control Period

Voltage Level	FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29	
	Proposed	Approved	Proposed	Approved	Proposed	Approved	Proposed	Approved	Proposed	Approved
LT	5.37%	4.70%	5.36%	4.65%	5.35%	4.60%	5.34%	4.55%	5.33%	4.50%
11 kV	3.85%	3.74%	3.85%	3.71%	3.84%	3.68%	3.83%	3.65%	3.83%	3.62%
33 kV	3.47%	3.48%	3.47%	3.4%	3.47%	3.44%	3.47%	3.42%	3.45%	3.40%

Table 4-30: Wheeling losses claimed and approved for TSNPDCL for 6th Control Period

Voltage Level	FY 2029-30		FY 2030-31		FY 2031-33		FY 2032-33		FY 2033-34	
	Proposed	Approved	Proposed	Approved	Proposed	Approved	Proposed	Approved	Proposed	Approved
LT	5.32%	4.45%	5.31%	4.40%	5.30%	4.35%	5.29%	4.30%	5.28%	4.25%
11 kV	3.81%	3.59%	3.81%	3.56%	3.80%	3.53%	3.80%	3.50%	3.79%	3.47%
33 kV	3.44%	3.38%	3.44%	3.36%	3.43%	3.34%	3.43%	3.32%	3.42%	3.30%

4.3 Energy Requirement

Petitioners' Submissions

4.3.1 The Petitioners submitted the forecast of energy requirement for 5th Control Period and 6th Control Period as shown below:

Table 4-31: Energy Requirement for TSNPDCL for 5th Control Period

Particular	FY	FY	FY	FY	FY
	2024-25	2025-26	2026-27	2027-28	2028-29
LT Sales (MU)	14460	15222	16028	16879	17779
11 kV Sales (MU)	2686	2877	3088	3321	3580
33 kV Sales (MU)	782	795	809	823	837
132 kV Sales (MU)	3789	4090	4419	4778	5169
Total Sales (MU)	21717	22985	24344	25801	27365
AT&C Losses (%) including EHT Sales	9.36%	9.30%	9.25%	9.19%	9.13%
TS TRANSCO Transmission loss (%)	2.48%	2.46	2.44%	2.42%	2.40%
Total Energy Requirement at State Periphery (excl. Inter-State Transmission losses) (MU)	24567	25981	27496	29118	30856
PGCIL Losses (%)	3.56%	3.54%	3.52%	3.50%	3.48%
CSPTCL Losses (%)	3.00%	3.00%	3.00%	3.00%	3.00%
Total External Transmission losses (MU)	339	334	324	317	273
Total Power Purchase Requirement at State Periphery (MU)	24906	26316	27820	29434	31129
AT&C Losses (%) excl. EHT Sales	11.11%	11.09%	11.07%	11.05%	11.03%
Cumulative Transmission Losses	3.81%	3.70%	3.58%	3.47%	3.26%
Total T&D Losses (%)	12.81%	12.66%	12.49%	12.34%	12.09%

Table 4-32: Energy Requirement for TSNPDCL for 6th Control Period

Particular	FY	FY	FY	FY	FY
	2029-30	2030-31	2031-32	2032-33	2033-34
LT Sales (MU)	18618	19501	20430	21408	22438
11 kV Sales (MU)	3868	4190	4551	4956	5412
33 kV Sales (MU)	852	868	883	900	916
132 kV Sales (MU)	5595	6061	6569	7124	7731
Total Sales (MU)	28934	30620	32434	34388	36497
AT&C Losses (%) including EHT Sales	9.06%	8.99%	8.91%	8.83%	8.75%
TS TRANSCO Transmission loss (%)	2.385%	2.37%	2.355%	2.34%	2.325%
Total Energy Requirement at State Periphery (excl. Inter-State Transmission losses) (MU)	32595	34460	36465	38624	40950
PGCIL Losses (%)	3.465%	3.45%	3.435%	3.42%	3.405%
CSPTCL Losses (%)	3.00%	-	-	-	-
Total External Transmission losses (MU)	148	134	134	134	132
Total Power Purchase Requirement at State Periphery (MU)	32743	34595	36599	38758	41082
AT&C Losses (%) excl. EHT Sales	11.00%	10.96%	10.93%	10.89%	10.85%
Cumulative Transmission Losses	2.83%	2.75%	2.71%	2.68%	2.64%
Total T&D Losses (%)	11.63%	11.49%	11.38%	11.27%	11.16%

Table 4-33: Energy Requirement for TSSPDCL for 5th Control Period

Particular	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
LT Sales (MU)	29521.74	31025.81	32613.70	34290.56	36061.56
11 kV Sales (MU)	7196.74	7601.02	8031.53	8490.85	8980.42
33 kV Sales (MU)	7758.60	8304.49	8891.62	9523.29	10203.11
132 kV Sales (MU)	8098.10	8681.01	9250.51	10020.32	10766.46
Total Sales (MU)	57812.23	61113.40	64567.29	68399.67	72397.85
AT&C Losses (%) including EHT Sales	9.06%	9.00%	8.95%	8.88%	8.82%
TS TRANSCO Transmission loss (%)	2.48%	2.46%	2.44%	2.42%	2.40%
Total Energy Requirement at State Periphery (excl. Inter-State Transmission losses) (MU)	59282	62655	66182	70096	74178
PGCIL Losses (%)	3.56%	3.54%	3.52%	3.50%	3.48%
CSPTCL Losses (%)	3.00%	3.00%	3.00%	3.00%	3.00%
Total External Transmission losses (MU)	808	797	772	755	650
Total Power Purchase Requirement at State Periphery (MU)	60090	63452	66955	70851	74828
AT&C Losses (%) excl. EHT Sales	10.53%	10.49%	10.45%	10.41%	10.36%
Cumulative Transmission Losses	3.79%	3.69%	3.57%	3.46%	3.25%
Total T&D Losses (%)	12.51%	12.36%	12.20%	12.03%	11.78%

Table 4-34: Energy Requirement for TSSPDCL for 6th Control Period

Particular	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
LT Sales (MU)	36061.74	37933.08	39910.76	44211.89	46549.87
11 kV Sales (MU)	9503.38	10062.39	10660.36	11300.48	11986.22
33 kV Sales (MU)	10934.98	11723.14	12572.20	13487.15	14473.44
132 kV Sales (MU)	11580.40	12466.53	13435.93	14505.29	15679.66
Total Sales (MU)	76668.42	81229.03	86106.08	91332.83	96932.17
AT&C Losses (%) including EHT Sales	8.76%	8.70%	8.64%	8.57%	8.50%
TS TRANSCO Transmission loss (%)	2.385%	2.37%	2.355%	2.34%	2.325%
Total Energy Requirement at State Periphery (excl. Inter-State Transmission losses) (MU)	78542	83201	88183	93521	99239
PGCIL Losses (%)	3.465%	3.45%	3.435%	3.42%	3.405%
CSPTCL Losses (%)	3.00%	-	-	-	-
Total External Transmission losses (MU)	354	321	319	320	315
Total Power Purchase Requirement at State Periphery (MU)	78895	83521	88502	93841	99555
AT&C Losses (%) excl. EHT Sales	10.32%	10.28%	10.23%	10.19%	10.14%
Cumulative Transmission Losses	2.82%	2.74%	2.70%	2.67%	2.63%
Total T&D Losses (%)	11.34%	11.21%	11.10%	11.10%	10.91%

Note: CSERC in its order for determination of ARR and Tariff for CSPTCL (Chhattisgarh State Power Transmission Company Ltd.) for the control period from FY 2022-23 to FY 2024-25 has defined the approved Losses as 3%. Hence the TSDiscoms have assumed the same to be

applicable for all the years of 5th control period and for FY 2029-30 of 6th control period. (As PPA is expiring in FY 2029-30).

Commission's Analysis:

4.3.2 The energy requirement for each TSDISCOM has been computed by grossing up the approved sales at a particular voltage level with the approved percentage loss for that voltage level for arriving at the energy input for the next higher voltage level of Distribution Network.

Distribution Losses

4.3.3 The Commission has considered the voltage-wise distribution losses approved in this Order for determination of the energy balance for 5th Control Period and 6th Control Period from FY 2024-25 to FY 2033-34.

Transmission Losses

4.3.4 The Commission has considered the Transmission losses as approved by the Commission in Business Plan Order of Transmission Licensee for 5th Control Period and 6th Control Period.

Energy Requirement

4.3.5 The energy requirement approved by the Commission for 5th Control Period and 6th Control Period from FY 2024-25 to FY 2033-34 is as shown in the Tables given below:

Table 4-35: Energy Requirement claimed and approved for TSNPDCL for 5th Control Period

Description	FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29	
	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
LT Sales in MU	14,460	14,291	15,222	14,815	16,028	15,361	16,879	15,931	17,779	16,524
LT Loss (%)	5.37%	4.70%	5.36%	4.65%	5.35%	4.60%	5.34%	4.55%	5.33%	4.50%
LT Energy Requirement in MU	15,281	14,996	16,084	15,538	16,934	16,102	17,832	16,690	18,780	17,303
HT Sales (11kV) in MU	2,686	2,818	2,877	3,022	3,088	3,241	3,321	3,478	3,580	3,734
11kV loss (%)	3.85%	3.74%	3.85%	3.71%	3.84%	3.68%	3.83%	3.65%	3.83%	3.62%
Energy Requirement (11kV) in MU	18,687	18,506	19,720	19,274	20,821	20,082	21,995	20,932	23,249	21,827
HT Sales (33kV) in MU	782	657	795	703	809	753	823	808	837	869
33kV Loss (%)	3.47%	2.99%	3.47%	2.97%	3.46%	2.95%	3.46%	2.93%	3.45%	2.91%

Description	FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29	
	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
Energy Requirement (excluding EHT) in MU	20,170	19,754	21,252	20,589	22,406	21,469	23,635	22,397	24,947	23,376
EHT Sales in MU	3,789	3,318	4,090	3,549	4,419	3,802	4,778	4,077	5,169	4,378
Energy Requirement (cluding EHT) in MU	23,958	23,072	25,342	24,138	26,825	25,270	28,413	26,474	30,115	27,754
Transmission Loss (%)	2.48%	2.48%	2.46%	2.46%	2.44%	2.44%	2.42%	2.42%	2.40%	2.40%
Total Energy Requirement in MU (Excl. T. Loss)	24,567	23,659	25,981	24,747	27,496	25,902	29,118	27,130	30,856	28,436

Table 4-36: Energy Requirement claimed and approved for TSNPDCL for 6th Control Period

Description	FY 2029-30		FY 2030-31		FY 2031-32		FY 2032-33		FY 2033-34	
	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
LT Sales in MU	18,618	17,073	19,501	17,642	20,430	18,231	21,408	18,231	18,842	19,474
LT Loss (%)	5.32%	4.45%	5.31%	4.40%	5.30%	4.35%	5.29%	4.30%	5.28%	4.25%
LT Energy Requirement in MU	19,664	17,868	20,595	18,454	21,574	19,060	22,604	19,688	23,689	20,339
HT Sales (11kV) in MU	3,868	3,974	4,190	4,231	4,551	4,506	4,956	4,802	5,412	5,119
11kV loss (%)	3.82%	3.59%	3.81%	3.56%	3.80%	3.82%	3.80%	3.53%	3.79%	3.47%
Energy Requirement (11kV) in MU	24,466	22,655	25,767	23,522	27,157	24,429	28,648	25,378	30,247	26,373
HT Sales (33kV) in MU	852	929	868	994	883	1,066	900	1,143	916	1,228
33kV Loss (%)	3.44%	2.89%	3.44%	2.87%	3.43%	2.85%	3.43%	2.83%	3.42%	2.81%
Energy Requirement (excluding EHT) in MU	26,222	24,286	27,583	25,241	29,038	26,242	30,596	27,294	37,720	28,398
EHT Sales in MU	5,595	4,671	6,061	4,989	6,569	5,333	7,124	5,706	7,731	6,110
Energy Requirement (cluding EHT) in MU	31,817	28,957	33,644	30,230	35,607	31,575	37,720	33,000	39,998	34,509
Transmission Loss (%)	2.39%	2.38%	2.37%	2.37%	2.36%	2.36%	2.34%	2.34%	2.34%	2.33%
Total Energy Requirement in MU (Excl. T. Loss)	32,595	29,663	34,460	30,963	36,465	32,339	38,624	33,791	40,950	35,332

Table 4-37: Energy Requirement claimed and approved for TSSPDCL for 5th Control Period

Description	FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29	
	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
LT Sales in MU	29,522	29,620	31,026	31,168	32,614	32,798	34,291	34,515	36,062	36,322
LT Loss (%)	5.66%	4.70%	5.65%	4.65%	5.64%	4.60%	5.63%	4.55%	5.62%	4.50%
LT Energy Requirement in MU	31,293	31,081	32,884	32,688	34,563	34,380	36,336	36,160	38,209	38,033
HT Sales (11kV) in MU	7,197	7,172	7,601	7,467	8,032	7,776	8,491	8,100	8,980	8,440
11kV loss (%)	4.18%	4.07%	4.17%	4.04%	4.17%	4.01%	4.16%	3.98%	4.15%	3.95%
Energy Requirement (11kV) in MU	40,170	39,876	42,248	41,846	44,446	43,917	46,772	46,095	49,233	48,384
HT Sales (33kV) in MU	7,759	7,979	8,304	8,422	8,892	8,895	9,523	9,400	10,203	9,938
33kV Loss (%)	3.59%	3.18%	3.59%	3.16%	3.58%	3.14%	3.57%	3.12%	3.56%	3.10%
Energy Requirement (excluding EHT) in MU	49,714	49,426	52,432	51,909	55,317	54,525	58,379	57,282	61,631	60,188
EHT Sales in MU	8,098	8,499	8,681	9,363	9,251	10,316	10,020	11,368	10,766	12,529
Energy Requirement (cluding EHT) in MU	57,812	57,925	61,113	61,271	64,567	64,840	68,400	68,649	72,398	72,717
Transmission Loss (%)	2.48%	2.48%	2.46%	2.46%	2.44%	2.44%	2.42%	2.42%	2.40%	2.40%
Total Energy Requirement in MU (Excl. T. Loss)	59,282	59,398	62,655	62,817	66,182	66,462	70,096	70,352	74,178	74,505

Table 4-38: Energy Requirement claimed and approved for TSSPDCL for 6th Control Period

Description	FY 2029-30		FY 2030-31		FY 2031-32		FY 2032-33		FY 2033-34	
	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
LT Sales in MU	37,933	37,866	39,911	39,477	42,001	41,157	44,212	42,909	46,550	44,736
LT Loss (%)	5.61%	4.45%	5.60%	4.40%	5.59%	4.35%	5.58%	4.30%	5.58%	4.25%
LT Energy Requirement in MU	40,188	39,630	42,279	41,294	44,490	43,029	46,827	44,837	49,298	46,722
HT Sales (11kV) in MU	9,503	8,756	10,062	9,086	10,660	9,429	11,300	9,787	11,986	10,161
11kV loss (%)	4.14%	3.92%	4.14%	3.89%	4.13%	3.86%	4.12%	3.83%	4.11%	3.80%
Energy Requirement (11kV) in MU	51,839	50,360	54,599	52,419	57,524	54,564	60,625	56,800	63,913	59,129
HT Sales (33kV) in MU	10,935	10,407	11,723	10,905	12,572	11,432	13,487	11,991	14,473	12,585
33kV Loss (%)	3.56%	3.08%	3.55%	3.06%	3.54%	3.04%	3.53%	3.02%	3.53%	3.00%
Energy Requirement	65,088	62,699	68,762	65,323	72,670	68,065	76,828	70,933	81,253	73,933

Description	FY 2029-30		FY 2030-31		FY 2031-32		FY 2032-33		FY 2033-34	
	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
(excluding EHT) in MU										
EHT Sales in MU	11,580	13,645	12,467	14,863	13,436	16,192	14,505	17,641	15,680	19,224
Energy Requirement (cluding EHT) in MU	76,668	76,344	81,229	80,185	86,106	84,257	91,333	88,575	96,932	93,156
Transmission Loss (%)	2.39%	2.38%	2.37%	2.37%	2.35%	2.36%	2.34%	2.34%	2.33%	2.33%
Total Energy Requirement in MU (Excl. T. Loss)	78,542	78,205	83,201	82,132	88,183	86,293	93,521	90,697	99,239	95,379

4.3.6 The summary of energy requirement for 5th Control Period and 6th Control Period is as follows:

Table 4-39: Energy Requirement claimed and approved for 5th Control Period

Particular	FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29	
	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
TSNPDCL at State Periphery	24,906	23,659	26,316	24,747	27,820	25,902	29,434	27,130	31,129	28,436
TSSPDCL at State Periphery	60,090	59,398	63,452	62,817	66,955	66,462	70,851	70,352	74,828	74,505
Total Energy Requirement at State Periphery	84,996	83,058	89,768	87,564	94,775	92,365	100,285	97,482	105,957	102,942

Table 4-40: Summary of Energy Requirement claimed and approved for 6th Control Period

Particular	FY 2029-30		FY 2030-31		FY 2031-32		FY 2032-33		FY 2033-34	
	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
TSNPDCL at State Periphery	32,743	29,663	34,595	30,963	36,599	32,339	29,663	33,791	30,963	35,332
TSSPDCL at State Periphery	78,895	78,205	83,521	82,132	88,502	86,293	78,205	90,697	82,132	95,379
Total Energy Requirement at State Periphery	111,638	107,868	118,116	113,095	125,101	118,632	107,868	124,488	113,095	130,711

4.4 Power Procurement Plan

Petitioners' Submissions

4.4.1 TSDISCOMs have submitted the power procurement plan for 5th Control Period and 6th Control Period to meet their growing energy requirements. The details of the same are as follows:

Short-term plan for 5th Control Period:

4.4.2 With the requirement growing year-on-year and considering the expected additional loads due to Lift Irrigation Schemes and Industrial and Commercial categories, TS Discoms have entered into PPAs with TS Genco, CGS and NCES (Solar) generators.

- For 5th Control Period, the Discoms are in energy surplus scenario. The reason for it is due to addition of new capacity.
- TSDiscoms have taken care of good energy mix by entering into PPAs with both Thermal and RE generating stations for 5th Control Period.

Long-term plan for 6th Control Period:

4.4.3 During the 6th Control Period, the TSDiscoms have an energy deficit scenario. TSDiscoms expect to meet the energy deficit by means of following measures:

- a) Based on the real-time conditions in future, if the new capacity in plants like Singareni and Telangana STPP are installed, then TSDiscoms would explore entering into PPAs with them as and when required.
- b) **Singareni Phase II:** TSDiscoms are planning to enter into PPA with Singareni CCL Unit 3 (800 MW) capacity and this Unit is expected to be commissioned during FY 2026-27. There is a scope for installation of 1600 MW additional capacity for Singareni CCL (Units 4 & 5).
- c) **Telangana STPP:** Currently TSDiscoms are allotted 85% share from TSTPP (1600 MW) plant. The negotiations are going on to allot the remaining 15% share as well to TS Discoms only. There is a scope for installation of 2400 MW (3x800 MW) additional capacity for Telangana STPP.
- d) TSDiscoms would ensure the cost effectiveness and would explore option of extending PPAs with CGS generators, if required. The availability from CGS stations for 1019 MW (cl. Simhadri 539 MW) is reduced during 6th Control Period due to expiry of PPAs. TSDiscoms would ensure the cost

effectiveness and would explore option of extending into PPAs if required.

- e) TSDiscoms would explore the option of entering into PPAs with Renewable Energy generators as the variable costs from these are expected to reduce in future.

4.4.4 In addition to these, Discoms would try to bridge smaller energy deficit gaps by utilizing the Short-term Market purchases.

Commission's Analysis:

4.4.5 The power requirement of TSDISCOMs is met from PPAs with various sources which include the following:

- Telangana State Power Generation Corporation Limited (TSGenco)
- Central Sector Generating Stations (NTPC Ltd., NLC India Limited and Nuclear Power Corporation of India (NPCIL))
- Singareni Collieries Company Limited (SCCL)
- Chhattisgarh State Power Distribution Company Limited (CSPDCL)
- Independent Power Producers (IPPs)
- Bi-lateral/ Inter-State purchases

4.4.6 The Commission has examined the submissions of TSDISCOMs regarding the projections of energy availability. The basis of projection of the quantum of energy available from various sources are detailed in the subsequent paragraphs:

TSGenco – Thermal Generating Stations

4.4.7 The share allocation to Telangana State from thermal generating stations of TSGenco is as shown below:

Table 4-41: Share allocation to Telangana State from thermal generating stations of TSGENCO

Sl. No.	Name of the Stations	Installed Capacity (MW)	Telangana State Share (%)	Telangana State Share (MW)
1.	KTPS-V (Unit-9)	250.00	100%	250.00
2.	KTPS-V (Unit-10)	250.00	100%	250.00
3.	KTPS-VI	500.00	100%	500.00
4.	RTS-B	62.50	100%	62.50
5.	Kakatiya (KTPP)– I	500.00	100%	500.00
6.	Kakatiya (KTPP)– II	600.00	100%	600.00
7.	KTPS-VII	800.00	100%	800.00
8.	Bhadradi Unit-I	270.00	100%	270.00
9.	Bhadradi Unit-II	270.00	100%	270.00
10.	Bhadradi Unit-III	270.00	100%	270.00

Sl. No.	Name of the Stations	Installed Capacity (MW)	Telangana State Share (%)	Telangana State Share (MW)
11.	Bhadradri Unit-IV	270.00	100%	270.00
12.	Yadadri Unit-I	800.00	100%	800.00
13.	Yadadri Unit-II	800.00	100%	800.00
14.	Yadadri Unit-III	800.00	100%	800.00
15.	Yadadri Unit-IV	800.00	100%	800.00
16.	Yadadri Unit-V	800.00	100%	800.00
17.	TS Genco Thermal	8042.50	-	8042.50

4.4.8 The Commission has considered the energy availability from TS Genco Thermal Stations based on actual PLF achieved during last 3 years i.e., FY 2019-20, FY 2021-22 and FY 2022-23 (FY 2020-21 not considered being abnormal year due to COVID). For new stations BTPS and Yadadri TPS, the Commission has considered the energy availability at normative 85% as PLF trends are not available for these stations. For Yadadri TPS, the Commission has considered the Unit wise COD as submitted by TSGENCO. The operating norms for the TGenCO Thermal Plants are considered as per the MYT Regulations applicable for existing Control Period and these will be subject to change on finalisation of MYT Regulation applicable for the next Control Period starting from 01.04.2024. The energy availability projections considered by the Commission from TSGENCO thermal stations is as shown below:

Table 4-42: Energy availability projections from thermal generating stations of TSGENCO claimed and approved by the Commission for 5th Control Period (MU)

Sl. No.	Station	FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29	
		Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
1.	KTPS-V	3512	3141	3512	3141	3509	3141	3521	3150	3512	3141
2.	KTPS-VI	3504	3141	3519	3141	3504	3141	3525	3150	3504	3141
3.	KTPS-VII	5962	4136	5957	4136	5962	4136	5973	4148	5960	4136
4.	KTPP-I	3519	3067	3504	3067	3514	3067	3514	3076	3514	3067
5.	KTPP-II	4205	3681	4223	3681	4205	3681	4235	3691	4235	3681
6.	RTS-B	413	286	412	286	412	286	413	286	412	286
7.	BTPS	8045	7318	8045	7318	8044	7318	8067	7323	8045	7318
8.	Yadadri Unit 1 to 5	23811	16846	29784	27784	29784	27891	29784	27964	29784	27891
9.	Total	52970	41616	58955	52554	58933	52661	59032	52787	58940	52661

Table 4-43: Energy availability projections from thermal generating stations of TSGENCO claimed and approved by the Commission for 6th Control Period (MU)

Sl. No.	Station	FY 2029-30		FY 2030-31		FY 2031-32		FY 2032-33		FY 2033-34	
		Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
1.	KTPS-V	3509	3141	3512	3141	3521	3141	3509	3141	3512	3141

Sl. No.	Station	FY 2029-30		FY 2030-31		FY 2031-32		FY 2032-33		FY 2033-34	
		Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
2.	KTPS-VI	3519	3141	3504	3141	3529	3141	3504	3141	3514	3141
3.	KTPS-VII	5957	4136	5962	4136	5973	4136	5962	4136	5957	4136
4.	KTPP-I	3504	3067	3519	3067	3514	3067	3514	3067	3504	3067
5.	KTPP-II	4216	3681	4205	3681	4235	3681	4205	3681	4223	3681
6.	RTS-B	309	286	0	286	0	286	0	286	0	286
7.	BTPS	8045	7318	8045	7318	8068	7318	8044	7318	8044	7318
8.	Yadadri Unit 1 to 5	29784	27891	29784	27891	29784	27964	29784	27891	29784	27891
9.	Total	58844	52661	58530	52661	58624	52787	58521	52661	58537	52661

Hydel Generating Stations (TSGENCO Stations)

4.4.9 The share allocation to Telangana State from Hydel generating stations is as shown below:

Table 4-44: Share allocation to Telangana State from Hydro generating stations of TSGENCO

Sl. No.	Name of the Stations	Installed Capacity (MW)	Telangana State Share (%)	Telangana State Share (MW)
1.	Srisailem left Bank HES (SLBHES)	900.00	100.00%	900.00
2.	Nagarjun Sagar Power House (NSPH)	815.60	100.00%	815.60
3.	Nagarjun Sagar Left Canal Power House (NSLCPH)	60.00	100.00%	60.00
4.	Pochampadu HPS-I	27.00	100.00%	27.00
5.	Pochampadu HPS-II (Sriramsagar)	9.00	100.00%	9.00
6.	Singur HES	15.00	100.00%	15.00
7.	Nizamsagar HES	10.00	100.00%	10.00
8.	Palair (Mini Hydel)	2.00	100.00%	2.00
9.	Peddapalli (Mini Hydel)	9.16	100.00%	9.16
10.	Priyadarshini Jurala HES	234.00	50.00%	117.00
11.	Lower Jurala HES	240.00	100.00%	240.00
12.	Pulichintala	120.00	100.00%	120.00
13.	TS Genco Hydel	2441.76		2324.76

4.4.10 The Commission has considered the energy availability from TS Genco Hydel Stations as per TSGenco submissions in their Business Plan Petition for 5th Control Period. The operating norms for the TGenco Hydel Plants are considered as per the MYT Regulations applicable for existing Control Period and these will be subject to change on finalisation of MYT Regulations applicable for next Control Period starting from 01.04.2024. The energy availability projections considered by the Commission from TSGENCO Hydel stations is as shown below:

Table 4-45: Energy availability projections from Hydel generating stations of TSGENCO claimed and approved by the Commission for 5th Control Period (MU)

Sl. No	TS Genco Hydel	FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29	
		Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
1.	Nagarjuna Sagar HES	1025	1025	1021	1021	1108	1108	1194	1194	1291	1291
2.	Srisaillam LB	1124	1124	1124	1124	1124	1124	1124	1124	1124	1124
3.	Small Hydel	33	33	33	33	33	33	34	34	34	34
4.	Mini Hydel	2	2	2	3	2	2	2	2	2	2
5.	Pochampad-I&II	74	74	74	74	74	74	74	74	74	74
6.	Priyadarshini Jurala	242	242	244	244	265	265	271	271	277	277
7.	Lower Jurala	243	243	243	243	243	243	243	243	243	243
8.	Pulichintala	256	256	287	287	322	322	359	359	398	398
9.	Total	2999	2999	3029	3029	3172	3172	3301	3301	3443	3443

Table 4-46: Energy availability projections from Hydel generating stations of TSGENCO approved by the Commission for 6th Control Period (MU)

Sl. No	TS Genco Hydel	FY 2029-30		FY 2030-31		FY 2031-32		FY 2032-33		FY 2033-34	
		Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
1.	Nagarjuna Sagar HES	1395	1291	1373	1291	1374	1291	1216	1291	1234	1291
2.	Srisaillam LB	1124	1124	1124	1124	1124	1124	1124	1124	1124	1124
3.	Small Hydel	113	34	111	34	108	34	100	34	101	34
4.	Mini Hydel	2	2	2	2	2	2	2	2	2	2
5.	Pochampad-I&II	74	74	74	74	74	74	74	74	74	74
6.	Priyadarshini Jurala	289	277	286	277	278	277	273	277	267	277
7.	Lower Jurala	243	243	243	243	243	243	243	243	243	243
8.	Pulichintala	402	398	406	398	410	398	414	398	418	398
9.	Total	3562	3443	3542	3443	3539	3443	3381	3443	3396	3443

Central Generating Stations

4.4.11 The share allocation to Telangana State from Central Generating Stations (CGS) is as shown in the Table below:

Table 4-47: Share allocation to Telangana State from CGS

Sl. No.	Name of the Stations	Installed Capacity (MW)	Telangana State Share (%)	Telangana State Share (MW)
1	NTPC (SR) - I & II	2100	16.81%	353.01
2	NTPC (SR) – III	500	17.71%	88.55
3	NTPC Talcher II	2000	10.87%	217.40
4	NLC Stage-I	630	0.83%	5.23
5	NLC Stage-II	840	0.82%	6.89
6	NPC-MAPS	440	5.01%	22.04
7	NPC-Kaiga Unit-I&II	440	15.39%	67.72
8	NPC-Kaiga Unit-III & IV	440	16.37%	72.03
9	NTPC Simhadri Stage-I	1000	53.89%	538.90
10	NTPC Simhadri Stage-II	1000	25.68%	256.80

Sl. No.	Name of the Stations	Installed Capacity (MW)	Telangana State Share (%)	Telangana State Share (MW)
11	NTECL Vallur	1500	7.07%	106.00
12	NLC Tamilnadu (Tuticorn) U-I&II	1000	14.80%	148.00
13	Kudgi Unit-I, II & III	2400	11.71%	281.04
14	New Neyveli	1000	6.19%	61.90
15	KKNPP (Nuclear) U-I&II	2000	2.72%	54.30
16	Telangana Super Thermal (NTPC), Phase-I	1600	85.00%	1360.00
	Central Generating Stations	18890.00		3639.81

4.4.12 The Commission has considered the average of actual available PLF for last 3-years (FY 2019-20, FY 2021-22 and FY 2022-23, excluding FY 2020-21 to negate the COVID effect) to compute the energy availability projections for 5th Control Period and 6th Control Period from Central Generating Stations. The Commission has not considered the capacity allocation from NTECL Vallur TPS and NLC Tamil Nadu Power Ltd. in line with the earlier directions of the Commission in RST Orders for FY 2017-18, FY 2018-19, FY 2022-23 and FY 2023-24.

4.4.13 The energy availability projections approved by the Commission from CGS is as shown below:

Table 4-48: Energy availability projections from CGS claimed and approved by the Commission for 5th Control Period (MU)

Sl. No.	Central Generating Stations	FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29	
		Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
1	NTPC (SR) - I & II	2666.00	2289.59	2687.00	2289.59	2618.00	2289.59	2683.00	2295.86	2669.00	2289.59
2	NTPC (SR) – III	715.00	539.87	621.00	452.60	0	0.00	0	0.00	0	0.00
3	NTPC Talcher II	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
4	NLC Stage-I	35.00	29.57	35.00	29.57	35.00	29.57	35.00	29.65	35.00	29.57
5	NLC Stage-II	46.00	40.76	46.00	40.76	46.00	40.76	46.00	40.88	46.00	40.76
6	NPC-MAPS	56.00	70.05	56.00	70.05	42.00	51.24	0	0.00	0	0.00
7	NPC-Kaiga Unit-I&II	427.00	506.63	427.00	506.63	320.00	370.60	0	0.00	0	0.00
8	NPC-Kaiga Unit-III & IV	463.00	538.89	463.00	538.89	347.00	394.20	0	0.00	0	0.00
9	NTPC Simhadri Stage-I	4163.00	2940.74	4090.00	2940.74	4090.00	2940.74	4151.00	2690.98	0	0.00
10	NTPC Simhadri Stage-II	1984.00	1401.34	1949.00	1401.34	1949.00	1401.34	1978.00	1405.18	1984.00	1401.34
11	NTECL Vallur	698.00	0.00	698.00	0.00	698.00	0.00	698.00	0.00	698.00	0.00
12	NLC Tamilnadu (Tuticorn) U-I&II	1098.00	0.00	1098.00	0.00	1098.00	0.00	1098.00	0.00	1098.00	0.00
13	Kudgi Unit-I, II & III	2196.00	830.33	2095.00	830.33	2169.00	830.33	2095.00	832.61	2196.00	830.33
14	New Neyveli	461.00	387.91	461.00	387.91	461.00	387.91	462.00	388.98	461.00	387.91
15	KKNPP (Nuclear) U-I&II	335.00	332.00	335.00	332.00	335.00	332.00	335.00	332.91	335.00	332.00
16	Telangana Super Thermal (NTPC), Phase-I	11718.00	6241.54	11682.00	6241.54	12216.00	6241.54	12216.00	6258.64	12074.00	6241.54

Sl. No.	Central Generating Stations	FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29	
		Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
	Central Generating Stations	28550.00	16149.24	28232.00	16061.97	27913.00	15309.85	27293.00	14275.69	23085.00	11553.05

Table 4-49: Energy availability projections from CGS claimed and approved by the Commission for 6th Control Period (MU)

Sr. No.	Central Generating Stations	FY 2029-30		FY 2030-31		FY 2031-32		FY 2032-33		FY 2033-34	
		Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
1	NTPC (SR) - I & II	2668.00	2289.59	2618.00	2289.59	2686.00	2295.86	2669.00	2289.59	2669.00	2289.59
2	NTPC (SR) - III	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
3	NTPC Talcher II	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
4	NLC Stage-I	32.00	26.41	0	0.00	0	0.00	0	0.00	0	0.00
5	NLC Stage-II	28.00	36.41	0	40.76	0	40.88	0	40.76	0	40.76
6	NPC-MAPS	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
7	NPC-Kaiga Unit-I&II	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
8	NPC-Kaiga Unit-III & IV	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
9	NTPC Simhadri Stage-I	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
10	NTPC Simhadri Stage-II	1949.00	1401.34	1949.00	1401.34	1949.00	1405.18	1949.00	1401.34	1949.00	1401.34
11	NTECL Vallur	698.00	0.00	698.00	0.00	698.00	0.00	698.00	0.00	698.00	0.00
12	NLC Tamilnadu (Tuticorn) U-I&II	1098.00	0.00	1098.00	0.00	1101.00	0.00	1098.00	0.00	1101.00	0.00
13	Kudgi Unit-I, II & III	2095.00	830.33	2169.00	830.33	2074.00	832.61	2196.00	830.33	2074.00	830.33
14	New Neyveli	461.00	387.91	461.00	387.91	462.00	388.98	461.00	387.91	462.00	387.91
15	KKNPP (Nuclear) U-I&II	335.00	332.00	335.00	332.00	335.00	332.91	335.00	332.00	335.00	332.00
16	Telangana Super Thermal (NTPC), Phase-I	12038.00	6241.54	12216.00	6241.54	12216.00	6258.64	12074.00	6241.54	12216.00	6241.54
	Central Generating Stations	22891.00	11545.54	23033.00	11523.48	23014.00	11555.05	22969.00	11523.48	22993.00	11523.48

Other Conventional Long-Term/Medium-Term Sources of power

4.4.14 The other conventional long-term power includes Sembcorp Energy India Limited (erstwhile Thermal Power Tech) (SEIL) (LT-1), SEIL (LT-2), Singareni Thermal Power Plant (STPP) and CSPDCL.

4.4.15 The share allocation to Telangana State from these other conventional Long Term/Medium-Term sources of power is as shown in the Table below:

Table 4-50: Share allocation to Telangana State from Other Sources

Sr. No.	Name of the Stations	Installed Capacity (MW)	Telangana State Share (%)	Telangana State Share (MW)
1	Sembcorp Energy Unit I	500	53.89%	269.45
2	Sembcorp Energy Unit II	570	100.00%	570.00
3	Singareni Thermal Stage -I	1200	100.00%	1200.00
4	Chhattisgarh Power	1000	100.00%	1000.00
	Other	3270		3039.45

4.4.16 The Commission has considered the average of actual available PLF for last 3-years (FY 2020-21 to FY 2022-23) to compute the energy availability projections for 5th Control Period and 6th Control Period from Central Generating Stations. The summary of energy availability projections from other long-term sources approved by the Commission is as shown below:

Table 4-51: Energy availability projections from other sources claimed and approved by the Commission for 5th Control Period (MU)

Sr. No.	Central Generating Stations	FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29	
		Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
1	Sembcorp Energy Unit I	2360	1957.46	2360	1957.46	2360	1957.46	2367	1962.83	2360	1957.46
2	Sembcorp Energy Unit II	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
3	Singareni Thermal Stage -I	9244	8739.33	9244	8739.33	9244	8739.33	9270	8763.28	8911	8739.33
4	Chhattisgarh Power	7055	6824.04	7055	6824.04	7055	6824.04	7074	6842.74	7055	6824.04
5	Other	18659	17520.84	18659	17520.84	18659	17520.84	18712	17568.84	18327	17520.84

Table 4-52: Energy availability projections from other sources claimed and approved by the Commission for 6th Control Period (MU)

Sr. No.	Central Generating Stations	FY 2029-30		FY 2030-31		FY 2031-32		FY 2032-33		FY 2033-34	
		Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
1	Sembcorp Energy Unit I	2360	1957.46	2360	1957.46	2367	1962.83	2360	1957.46	2360	1957.46
2	Sembcorp Energy Unit II	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
3	Singareni Thermal Stage -I	8911	8739.33	8911	8739.33	8938	8763.28	9244	8739.33	9244	8739.33
4	Chhattisgarh Power	677	1140.46	0	0.00	0	0.00	0	0.00	0	0.00
5	Other	11948	11837.25	11272	10696.80	11305	10726.10	11604	10696.80	11604	10696.80

Non-Conventional Energy Sources

4.4.17 The Commission has considered the capacity of non-conventional energy (NCE) sources based on the approved PPAs as shown in the Table below:

Table 4-53: Share allocation to Telangana State from Other Sources

Sr. No.	Name of the Stations	Telangana State Share (MW)
1	NCE - Bio-Mass	6.00
2	NCE – Bagasse	67.00
3	NCE - Municipal Waste to Energy	63.00
4	NCE - Industrial Waste based power project	19.00
5	NCE - Wind Power	128.00
6	NCE - Mini Hydel	3.00
7	NCE – Solar	2844.00
8	NTPC CPSU	2737.00
9	NHPC CPSU	500.00
10	SECI	1400.00
11	NTPC Bundled Scheme under JNNSM Ph-I	45.81
12	NTPC Bundled Scheme under JNNSM Ph-II	400.00
13	Non-Conventional Energy Sources (NCES)	8212.81

4.4.18 The Commission has considered the average PLF and energy availability from all the NCE sources as projected by TSDISCOMs. The energy availability projections approved by the Commission from non-conventional energy sources is as shown below:

Table 4-54: Energy availability projections from NCES claimed and approved by the Commission for 5th Control Period (MU)

Sl. No.	Generating Stations	FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29	
		Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
1	NCE - Bio-Mass	42	38.26	42	38.26	42	38.26	0	38.37	0	38.26
2	NCE – Bagasse	321	296.98	321	296.98	196	296.98	117	297.80	117	296.98
3	NCE - Municipal Waste to Energy	438	392.94	438	392.94	438	392.94	438	394.02	438	392.94
4	NCE - Industrial Waste based power project	130	121.17	130	121.17	130	121.17	130	121.50	105	121.17
5	NCE - Wind Power	281	277.52	281	277.52	281	277.52	281	278.28	281	277.52
6	NCE - Mini Hydel	10	11.71	8	11.71	8	11.71	0	11.74	0	11.71
7	NCE - Solar	6224	6222.13	6224	6222.13	6224	6222.13	6224	6239.18	6224	6222.13
8	NTPC CPSU	5994	5988.04	5994	5988.04	5994	5988.04	5994	6004.44	5994	5988.04
9	NHPC CPSU	1095	1093.91	1095	1093.91	1095	1093.91	1095	1096.90	1095	1093.91
10	SECI	3066	3062.93	3066	3062.93	3066	3062.93	3066	3071.33	3066	3062.93
11	NTPC Bundled Scheme under JNNSM Ph-I	100	45.43	100	45.43	100	45.43	100	45.56	100	45.43
12	NTPC Bundled Scheme under JNNSM Ph-II	876	805.11	876	805.11	876	805.11	876	807.32	876	805.11
	Non-Conventional Energy Sources (NCES)	18577.00	18356.13	18574.00	18356.13	18449.00	18356.13	18320.00	18406.42	18295.00	18356.13

Table 4-55: Energy availability projections from NCES claimed and approved by the Commission for 6th Control Period (MU)

Sl. No.	Generating Stations	FY 2029-30		FY 2030-31		FY 2031-32		FY 2032-33		FY 2033-34	
		Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
1	NCE - Bio-Mass	0	38.26	0	38.26	0	38.37	0	38.26	0	38.26
2	NCE – Bagasse	0	296.98	0	296.98	0	297.80	0	296.98	0	296.98
3	NCE - Municipal Waste to Energy	438.00	392.94	438.00	392.94	438.00	394.02	438.00	392.94	438.00	392.94
4	NCE - Industrial Waste based power project	105.00	121.17	105.00	121.17	53.00	121.50	53.00	121.17	53.00	121.17
5	NCE - Wind Power	281.00	277.52	281.00	277.52	281.00	278.28	281.00	277.52	281.00	277.52
6	NCE - Mini Hydel	0	11.71	0	11.71	0	11.74	0	11.71	0	11.71
7	NCE – Solar	6224.00	6222.13	6224.00	6222.13	6224.00	6239.18	6224.00	6222.13	6224.00	6222.13
8	NTPC CPSU	5994.00	5988.04	5994.00	5988.04	5994.00	6004.44	5994.00	5988.04	5994.00	5988.04
9	NHPC CPSU	1095.00	1093.91	1095.00	1093.91	1095.00	1096.90	1095.00	1093.91	1095.00	1093.91
10	SECI	3066.00	3062.93	3066.00	3062.93	3066.00	3071.33	3066.00	3062.93	3066.00	3062.93
11	NTPC Bundled Scheme under JNNSM Ph-I	100.00	45.43	100.00	45.43	100.00	45.56	100.00	45.43	100.00	45.43
12	NTPC Bundled Scheme under JNNSM Ph-II	876.00	805.11	876.00	805.11	876.00	807.32	876.00	805.11	876.00	805.11
	Non-Conventional Energy Sources (NCES)	18179.00	18356.13	18179.00	18356.13	18126.00	18406.42	18126.00	18356.13	18126.00	18356.13

Energy Availability

4.4.19 Based on the above, the total energy availability approved by the Commission for 5th Control Period and 6th Control Period is as shown in the Tables below:

Table 4-56: Energy availability projections claimed and approved by the Commission for 5th Control Period (MU)

Sl. No.	Generating Stations	FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29	
		Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
1	TS Genco Thermal	52,970	41,616	58,955	52,554	58,933	52,661	59,032	52,787	58,940	52,661
2	TS Genco Hydel	2,999	2,999	3,029	3,029	3,172	3,172	3,301	3,301	3,443	3,443
3	Central Generating Stations	28,550	16,149	28,232	16,062	27,913	15,310	27,293	14,276	23,085	11,553
4	Non-Conventional Energy Sources (NCES)	18,577	18,356	18,574	18,356	18,449	18,356	18,320	18,406	18,295	18,356
5	Other	18,659	17,521	18,659	17,521	18,659	17,521	18,711	17,569	18,659	17,521
6	Total Energy Availability (MU)	121,754	96,641	127,451	107,522	127,126	107,020	126,658	106,339	122,090	103,534

Table 4-57: Energy availability projections claimed and approved by the Commission for 6th Control Period (MU)

Sl. No.	Generating Stations	FY 2029-30		FY 2030-31		FY 2031-32		FY 2032-33		FY 2033-34	
		Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
1	TS Genco Thermal	58,844	52,661	58,530	52,661	58,624	52,787	58,521	52,661	58,537	52,661
2	TS Genco Hydel	3,562	3,443	3,542	3,443	3,539	3,443	3,381	3,443	3,396	3,443
3	Central Generating Stations	22,891	11,546	23,033	11,523	23,014	11,555	22,969	11,523	22,993	11,523
4	Non-Conventional Energy Sources (NCES)	18,179	18,356	18,179	18,356	18,126	18,406	18,126	18,356	18,126	18,356
5	Other	11,948	11,837	11,271	10,697	11,305	10,726	11,604	10,697	11,604	10,697
6	Total Energy Availability (MU)	115,424	97,843	114,555	96,680	114,608	96,917	114,601	96,680	114,657	96,680

4.4.20 Based on the above, the total energy availability at State Periphery approved by the Commission for 5th Control Period and 6th Control Period is as shown in the Tables below:

Table 4-58: Energy availability projections at State Periphery approved by the Commission for 5th Control Period (MU)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Energy from CGS (MU)	16,149	16,062	15,310	14,276	11,553
Inter-State Losses (%)	3.00%	3.00%	3.00%	3.00%	3.00%
Energy available from CGS (MU)	15,665	15,580	14,851	13,847	11,206
Chhattisgarh Power	6,824	6,824	6,824	6,843	6,824
Intra-State loss of Chhattisgarh (%)	3.00%	3.00%	3.00%	3.00%	3.00%
Energy available from Chhattisgarh (MU)	6,421	6,421	6,421	6,438	6,421
Energy available from CGS & Chhattisgarh (MU)	22,085	22,001	21,271	20,286	17,627
Energy from TS Genco Thermal (MU)	41,616	52,554	52,661	52,787	52,661
Energy from TS Genco Hydel (MU)	2,999	3,029	3,172	3,301	3,443
Energy from NCES (MU)	18,356	18,356	18,356	18,406	18,356
Energy from Other Sources (MU)	10,697	10,697	10,697	10,726	10,697
Total Energy available (Excl. T. Loss) (MU)	95,753	106,637	106,157	105,506	102,784

Table 4-59: Energy availability projections at State Periphery approved by the Commission for 6th Control Period (MU)

Particulars	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
Energy from CGS (MU)	11,546	11,523	11,555	11,523	11,523
Inter-State Losses (%)	3.00%	3.00%	3.00%	3.00%	3.00%
Energy available from CGS (MU)	11,199	11,178	11,208	11,178	11,178
Chhattisgarh Power	1,140	-	-	-	-
Intra-State loss of Chhattisgarh (%)	3.00%	3.00%	3.00%	3.00%	3.00%
Energy available from Chhattisgarh (MU)	1,073	-	-	-	-
Energy available from CGS & Chhattisgarh (MU)	12,272	11,178	11,208	11,178	11,178

Particulars	FY	FY	FY	FY	FY
	2029-30	2030-31	2031-32	2032-33	2033-34
Energy from TS Genco Thermal (MU)	52,661	52,661	52,787	52,661	52,661
Energy from TS Genco Hydel (MU)	3,443	3,443	3,443	3,443	3,443
Energy from NCES (MU)	18,356	18,356	18,406	18,356	18,356
Energy from Other Sources (MU)	10,697	10,697	10,726	10,697	10,697
Total Energy available (Excl. T. Loss) (MU)	97,429	96,334	96,570	96,334	96,334

Energy Surplus/ (Deficit)

4.4.21 Based on the approved energy requirement and energy availability, the Commission has computed the projected energy surplus/(deficit) for 5th Control Period and 6th Control Period as shown below:

Table 4-60: Energy Surplus/(Deficit) projections claimed and approved by the Commission for 5th Control Period (MU)

Generating Stations	FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29	
	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
Total Energy Requirement at State level	84,997	83,058	89,768	87,564	94,774	92,365	100,285	97,482	105,957	102,942
Total Energy Available at State level	121,754	95,753	127,451	106,637	127,126	106,157	126,658	105,506	122,090	102,784
Surplus/(Deficit)	36,758	12,696	37,683	19,073	32,352	13,793	26,374	8,024	16,133	(158)

Table 4-61: Energy Surplus/(Deficit) projections claimed and approved by the Commission for 6th Control Period (MU)

Generating Stations	FY 2029-30		FY 2030-31		FY 2031-32		FY 2032-33		FY 2033-34	
	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
Total Energy Requirement at State level	111,638	107,868	118,116	113,095	125,101	118,632	132,599	124,488	140,657	130,711
Total Energy Available at State level	115,424	97,429	114,555	96,344	114,608	96,570	114,601	96,334	114,657	96,334
Surplus/(Deficit)	3,786	(10,440)	(3,561)	(16,761)	(10,493)	(22,062)	(17,997)	(28,153)	(25,981)	(34,376)

4.4.22 The TSDICOMs in their original Resource Plan has estimated the energy surplus of 36758 MU in FY 2024-25, 37683 MU in FY 2025-26 with surplus reducing to 3786 in FY 2029-30 and power situation turning into deficit of around 3561 MU in FY 2030-31 and deficit increasing up to 25981 MU in 2033-24. The Commission asked the TSDISCOMs to submit the justification for such huge surplus position in initial years of 5th Control Period. TSDISCOMs in their revised submissions have revised the energy balance on account of following factors;

- Revision in sales for LIS category based on revised submissions by I&CAD department. DISCOMs in their original Petitions have considered nominal growth rate of 10%.
- Change in commissioning date of new generating stations
- Actual PLF as compared to normative Availability considered for thermal generating stations in Resource Plan

4.4.23 Based on these changes, TSDISCOMs have submitted the maximum surplus in FY 2024-25 will be around 12435 MU (15%) as against surplus of 36758 MU in FY 2024-25 (43%) as submitted in Resource Plan.

4.4.24 The Commission while projecting the energy availability from various new stations has considered the revised COD dates for projecting the energy availability from thermal generating stations, the Commission has considered the actual PLF of last 3 years excluding COVID year.

4.4.25 Based on the projections made by the Commission it is observed that till FY 2027-28, the TSDISCOMs will be in surplus energy position on annual basis, whereas from FY 2028-29 onwards, TSDISCOMs need to identify additional power procurement sources to meet their energy requirement on annual basis. TSDISCOMs need to plan their power procurement in a cost-effective manner. Further, it is observed that TSDISCOMs are exploring new sources such as Singareni Phase II, Telangana STPP and other renewables source to meet their future demand. In addition to these, Discoms may also bridge the real time energy deficit from short-term open market purchase.

4.4.26 The Commission has also carried out the detailed analysis of month wise energy requirement and energy availability based on past trends. The month wise sales, energy requirement, energy availability and surplus/(deficit) position is enclosed at Annexure V. Based on the month wise analysis it is observed that even in FY 2024-25 and FY 2025-26 when there is energy surplus situation on annual, basis, during some of the months mainly March and April, there is energy deficit situation. Further, the energy surplus/deficit situation also varies during various hours of the day and during peak hours there may be energy deficit situation which needs to be managed.

4.5 Peak Demand

Petitioners' Submissions:

4.5.1 TSDISCOMs for the projection of the demand for H2 of FY 2022-23 and FY 2023-24 and 5th Control Period, have studied the trend on hourly basis in 4th Control Period and hourly demand trend is established from the inputs of seasonality factor derived from the variation in demand for each date for specific hour in different months. Based on the input, an output has been calculated using the following equation:

$$Y \text{ (Projected Hourly Demand)} = Z * (mX+C)$$

Where:

Z: Seasonality factor

m: Slope of the hourly plotted demand

X: nth day from the starting date (i.e., 1st April 2016)

C: Intercept of the hourly plotted demand.

4.5.2 Based on the demand attributed to additional loads, peak demand is projected for future years are as follows:

Table 4-62: Peak Demand submitted by TSNPDCL for 5th Control Period & 6th Control Period (MW)

Description	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
Peak Demand (MW)	6,585	6,999	7,414	9,885	8,239	8,652	9,066	11,914	9,893	10,307

Table 4-63: Peak Demand submitted by TSSPDCL for 5th Control Period & 6th Control Period (MW)

Description	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
Peak Demand (MW)	9,514	9,970	10,416	10,874	11,330	11,782	12,232	12,679	13,159	13,606

Commission's Analysis:

4.5.3 The Commission has analysed the Peak Load of TSDISCOMs for FY 2022-23, which as follows:

Table 4-64: Peak Demand of TSDISCOMS for FY 2022-23

Description	TSSPDCL	TSNPDC
Energy Requirement (MU)	51567.47	21370.00
Peak Demand (MW)	8792.00	5823.00
Annual Load Factor (%)	66.976%	41.89%

4.5.4 The Commission has considered the Annual Load Factor as considered by TSDISCOMS based on actual for FY 2022-23 and approved Energy Requirement to project the Discom-wise Peak Demand for 5th Control Period and 6th Control Period, which is as follows:

Table 4-65: Peak Demand of TSNPDCL for 5th Control Period claimed and approved by the Commission (MW)

Description	FY	FY	FY	FY	FY
	2024-25	2025-26	2026-27	2027-28	2028-29
Energy Requirement (MU)	23,659	24,747	25,902	27,130	28,436
Annual Load Factor (%)	41.89%				
Peak Demand Claimed	6,585.00	6,999.00	7,414.00	9,885.00	8,239.00
Peak Demand Approved	6,447.41	6,743.87	7,058.73	7,393.36	7,749.28

Table 4-66: Peak Demand of TSNPDCL for 6th Control Period claimed and approved by the Commission (MW)

Description	FY	FY	FY 2031-	FY	FY
	2029-30	2030-31	32	2032-33	2033-34
Energy Requirement (MU)	29,663	30,963	32,339	33,791	35,332
Annual Load Factor (%)	41.89%				
Peak Demand Claimed	8,652.00	9,066.00	11,914.00	9,893.00	10,307.00
Peak Demand Approved	8,083.63	8,437.91	8,812.66	9,208.36	9,628.40

Table 4-67: Peak Demand of TSSPDCL for 5th Control Period claimed and approved by the Commission (MW)

Description	FY	FY	FY	FY	FY
	2024-25	2025-26	2026-27	2027-28	2028-29
Energy Requirement (MU)	59,398	62,817	66,462	70,352	74,505
Annual Load Factor (%)	66.98%				
Peak Demand Claimed	9,514.00	9,970.00	10,416.00	10,874.00	11,330.00
Peak Demand Approved	10,123.38	10,705.97	11,327.25	11,990.20	12,698.04

Table 4-68: Peak Demand of TSSPDCL for 6th Control Period claimed and approved by the Commission (MW)

Description	FY	FY	FY	FY	FY
	2029-30	2030-31	2031-32	2032-33	2033-34
Energy Requirement (MU)	78,205	82,132	86,293	90,697	95,379
Annual Load Factor (%)	66.98%				
Peak Demand Claimed	11,782.00	12,232.00	12,679.00	13,159.00	13,606.00
Peak Demand Approved	13,328.62	13,997.88	14,707.15	15,457.66	16,255.54

4.6 Capital Investment Plan

Petitioners' Submissions

Network Plan

4.6.1 The Petitioner submitted that the Distribution Plan is prepared considering the network elements required for System Expansion Plan. System expansion is planned to cater to the load growth and network strengthening. The following

methodology has been adopted for the estimation of the new network elements required to cater to the load growth gathered for all the sub-divisions in a DISCOM.

Sales Projection

- 4.6.2 Sub-division wise LT, 11 kV and total HT actual sales including open access for past 6 years (FY 2016-17 to FY 2021-22) has been considered. Projection of sub-division wise LT and 11 kV sales for the 5th Control Period and 6th Control Period has been carried out on the basis of the actual sales of the last six years and CAGRs have been computed. 5-year CAGR has been considered in most of the cases, which has been modified in case of exceptions. The CAGR considered for each sub-division has been capped at maximum of 1% to moderate the network required. Further, year-on-year growth rate for the projected combined LT and 11 kV sales has been considered to project the loading of network elements (33/11 KV sub-station, PTR, and 11 kV Feeders) for the 5th Control Period and 6th Control Period.

Sub-division Classification

- 4.6.3 Sub-divisions are classified as Greater Hyderabad Metro Corporation (GHMC), Urban, Semi-urban and rural based on the current location and current load pattern. This classification helps the Licensee to compute the load density in the respective area. Addition of S/S or PTR will be proposed based on the load growth and Load density in that area.

Network Loading Data

- 4.6.4 The details of all Sub Stations in the Licensee area were gathered along with the location area classification, details of constituent network elements and their respective peak loading values.

i. Power Transformer Details

- 4.6.5 The power transformer (PTR) capacities installed in each substation were gathered along with the peak loading details of PTRs. The data used for analysis is the existing values of FY 2022-23 and is as received from the field to ensure that the model captures and reflects the real situation as in the field. The peak loading details as received from the field was validated to remove any exceptions.

ii. Feeder Details

4.6.6 The details captured for analysis are the total number of feeders installed in a substation and the peak currents flowing through the same. This data was captured from the field during FY 2022-23. The peak current data on feeders of a sub-station have been validated to remove exceptions, if any.

iii. Distribution Transformer Details

4.6.7 Capacity wise total number of DTRs in each circle was captured. The DTRs are classified as Agricultural and Non-agricultural. Information is collected after taking this classification under consideration.

Network Element Details**i. Substation Unit**

4.6.8 Each Substation is projected by considering substation as a unit comprising of all the associated equipment. Each substation unit consists of below mentioned equipment.

- 33 kV line of 6 KMs
- 132/33 kV tapping bay
- 33 kV VCB
- Power Transformers
- Feeders

ii. Power Transformer Unit

4.6.9 A Power transformer is projected by considering it as a unit consisting of below mentioned equipment:

- Power Transformer
- HV Breaker
- LV Breaker
- 33 kV AB switch.

4.6.10 When a Power Transformer is upgraded, the old transformer is reused at another substation based on requirement. For Example, an 8 MVA transformer, which is upgraded to 12.5 MVA in GHMC, can be re-used in Urban/ Semi urban regions.

i. Feeder Unit

4.6.11 Each feeder is defined as a unit constituting of Feeder breaker and metering set

(cluding CT/PT), bay extension, 11 kV line of 5 km, poles.

ii. DTR Unit

4.6.12 A DTR unit consists of DTR, AB switches, DTR structure, 0.1 km of LT line, 0.1 km of 11 kV line.

Modelling for Network Additions (Substations; PTRs and Feeders)

4.6.13 The PTR and feeder loadings in every substation (a sub-division) have been assumed to grow at the same rate as the year-on-year sales growth of sum of LT and HT 11 kV sales of that particular sub-division. The substation capacity limit has been capped at 25 MVA for GHMC substations, 16 MVA for Urban substations, 16 MVA for semi-urban substations, and 10 MVA for rural substations. These limits have been set with an objective to reduce line losses and for improving the voltage profile.

i. Substation

4.6.14 New substations will be proposed subject to fulfilment of all the following conditions:

- If none of the PTRs are upgradable (An upgradable PTR is 8 MVA capacity in GHMC SS, 5 MVA capacity in Urban and Semi-Urban SS and 3.15 MVA in a Rural SS)
- If an additional PTR is required and the substation cannot accommodate any further PTRs based on the criteria mentioned above
- Average loading on PTRs in substation is greater than the threshold set (% loading of its capacity) for new substation addition

4.6.15 A certain loading of the PTRs in the present substation is transferred to the new substation. The PTR capacity to be installed in the new substation is 5 MVA in rural, 8 MVA in case of urban and semi-urban and 12.5 MVA in GHMC areas. The load transfer from a present substation to a new substation has been factored in such a way that in most situations, the average loading on PTRs in the present substation after the load transfer does not exceed the Threshold Capacity in any of the years in the Control Period.

4.6.16 The number of feeders proposed for a new substation are 6 for GHMC, Urban, Semi-urban region and 4 for rural region.

ii. Power Transformer

4.6.17 A new PTR will be proposed if all the following conditions are satisfied:

- If the peak loading of any of the PTRs installed exceeds the threshold set (% loading of its capacity) and if the substation can accommodate a new PTR, i.e., GHMC -25 MVA, Urban- 16 MVA, Semi-Urban – 16 MVA, Rural -10 MVA
- If none of the PTRs are upgradable (An upgradable PTR is 8 MVA capacity in GHMC, 5 MVA capacity in Urban and Semi-Urban SS and 3.15 MVA in a Rural SS)
- The PTR capacity proposed is either 5 MVA or 8 MVA or 12.5 MVA, depending on remaining substation capacity and requirement. 12.5 MVA PTR are proposed only in GHMC region.

4.6.18 The existing PTR will be upgraded if all the following conditions are satisfied:

- If the peak loading of any of the PTRs installed exceeds the threshold set (% loading of its capacity)
- If the PTRs are upgradable (An upgradable PTR is 8 MVA capacity in GHMC, 5 MVA capacity in Urban and Semi-Urban SS and 3.15 MVA in a Rural SS)

4.6.19 The final loading on the PTRs after a new PTR is proposed is such that the distribution of peak loads on all PTRs is the same. This shall ensure that all the PTRs are loaded equally unlike the scenario of peak loading on one of them being very high.

4.6.20 A similar carry forward approach has been adopted for the PTR additions as done for substations.

iii. Feeders

4.6.21 New feeders will be proposed under the following conditions:

- Redistribution of feeder currents is done for each sub-station, irrespective of the feeder loading
- If after the redistribution, peak feeder current exceeds the threshold limits and an additional feeder can be accommodated in the substation
- The above applies only if no new substation addition is being proposed
- The peak currents in the feeders are distributed equally among the ones overloaded and the new feeders proposed

4.6.22 Additional feeders have also been considered apart from the projections in view of expected requirements based on field input.

4.6.23 When a new S/s on account of overloaded feeders is proposed, same PTR loading for old S/s is maintained. Total transferable current for a sub-division is calculated by classifying S/s in groups of GHMC, Urban, Semi-Urban and Rural. The number of S/s is proposed depends upon the number of feeders required as per threshold feeder current for that year and the S/s classification. It is assumed that each new S/s thus proposed, in GHMC would have capacity of 12.5 MVA (1 PTR of 12.5 MVA), Urban and Semi-Urban areas would have a capacity of 8 MVA (1 PTR of 8 MVA) whereas a Rural S/S would have a capacity of 5 MVA (1 PTR of 5 MVA).

4.6.24 A similar carry forward approach has been adopted for the feeder currents as done above for substations and PTRs.

iv. Distribution Transformers

4.6.25 Distribution transformers are categorized as agricultural and non-agricultural. Information of these transformers, circle and capacity-wise was collected for FY 2022-23.

- LT sales (excluding agriculture and only agriculture) is adjusted for LT losses and thereafter sales per kVA (kWh/kVA) computed for 2022-23 for each circle based on the existing DTR Capacity (kVA) (Agricultural and Non-Agricultural).
- Sales per kVA (circle-wise) ratio has been used to project circle-wise and year-wise DTR Capacity (kVA) for the 5th Control Period and 6th Control Period.
- In the case of Non-Agricultural category, the sales/kVA ratio for each circle (kWh/kVA) has been moderated by 10% to arrive at the average numbers of DTR installation based on historical trend.
- In the case of Agricultural category, the sales/kVA ratio for each circle (kWh/kVA) has been moderated between 10% to 16% to arrive at the average numbers of DTR installation based on historical trend.

4.6.26 Circle-wise DTR Nos. are arrived based on the existing % configuration (capacity) but restricting DTR capacities to ≥ 100 kVA (100 kVA, 160 kVA, 315 kVA and 500 kVA) for non-Agri DTRs and 25 kVA, 63 kVA and 100 kVA for Agri DTRs.

Threshold Peak Loading of Network Elements

4.6.27 With the current loading of the network elements, very large number of new S/s, PTRs, feeders and DTRs are being proposed in both the Control Periods.

Licensee adopted differential threshold limits to moderate the network projections and further ensure a relatively uniform network addition each year during the Control Period. Summary of the threshold peak loading are shown below:

Table 4-69: Threshold Peak loading values from Network Elements for 5th Control Period by TSNPDCL

Description	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Sub-station Threshold (%)					
Urban Sub-station threshold	85%	85%	85%	85%	85%
Semi urban Sub-station threshold	85%	85%	85%	85%	85%
Rural Sub-station threshold	90%	90%	90%	90%	90%
PTR Threshold (%)					
Urban PTR threshold	88%	88%	88%	88%	88%
Semi Urban PTR threshold	88%	88%	88%	88%	88%
Rural PTR threshold	96%	96%	96%	96%	96%
Feeder Threshold (Amp)					
Urban/Semi-urban/Rural	150	150	150	150	150

Table 4-70: Threshold Peak loading values from Network Elements for 6th Control Period by TSNPDCL

Description	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
Sub-station Threshold (%)					
Urban Sub-station threshold	95%	95%	95%	95%	95%
Semi urban Sub-station threshold	95%	95%	95%	95%	95%
Rural Sub-station threshold	95%	95%	95%	95%	95%
PTR Threshold (%)					
Urban PTR threshold	90%	90%	90%	90%	90%
Semi Urban PTR threshold	98%	98%	98%	98%	98%
Rural PTR threshold	100%	100%	100%	100%	100%
Feeder Threshold (Amp)					
Urban/Semi-urban/Rural	150	150	150	150	150

Table 4-71: Threshold Peak loading values of Network Elements for 5th Control Period by TSSPDCL

Description	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Substation Threshold (%)						
GHMC/Urban SS threshold	90%	90%	90%	90%	90%	90%
SU SS threshold	90%	90%	90%	90%	90%	90%
Rural SS threshold	95%	95%	95%	95%	95%	95%
PTR Threshold (%)						
GHMC/Urban PTR threshold	70%	70%	70%	70%	70%	70%
SU PTR threshold	69%	69%	69%	69%	69%	69%
Rural PTR threshold	86%	86%	86%	86%	85%	85%
Feeder Threshold (Amp)						
GHMC/Urban/Semi-urban	150	150	150	150	150	150
Rural	150	150	150	150	150	150

Table 4-72: Threshold Peak loading values of Network Elements for 6th Control Period by TSSPDCL

Description	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
Substation Threshold (%)					
GHMC/Urban SS threshold	90%	90%	90%	90%	90%
SU SS threshold	90%	90%	90%	90%	90%
Rural SS threshold	95%	95%	95%	95%	95%
PTR Threshold (%)					
GHMC/Urban PTR threshold	69%	69%	69%	69%	69%
SU PTR threshold	69%	69%	69%	69%	69%
Rural PTR threshold	81%	81%	81%	80%	80%
Feeder Threshold (Amp)					
GHMC/Urban/Semi-urban	150	150	150	150	150
Rural	150	150	150	150	150

Network Addition Summary

4.6.28 The details of the network additions are provided by the Petitioner for the 5th Control Period and 6th Control Period. In the network additions, the sub-station additions, PTR capacity additions, Feeder additions, and DTR additions has been captured, as shown in the Tables below:

Table 4-73: Summary of Network Addition for 5th Control Period for TSNPDCL

Description	Unit	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	Total (FY 2024-25 to FY 2028-29)
Sub-station Additions	Nos	49	57	67	80	85	112	401
PTR Additions	Nos	15	18	28	45	56	67	214
PTR Augmentation	Nos	14	19	25	27	37	45	153
Feeder Additions	Nos	0	3	6	13	18	24	64
DTR Unit Additions	Nos	10901	11501	12115	12764	13441	14148	63969

Table 4-74: Summary of Network Addition for 6th Control Period for TSNPDCL

Description	Unit	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34	Total (FY 2029-30 to FY 2033-34)
Sub-station Additions	Nos	83	85	85	92	93	438
PTR Additions	Nos	51	52	57	59	60	279
PTR Augmentation	Nos	28	31	35	38	40	172
Feeder Additions	Nos	7	10	15	22	23	76
DTR Unit Additions	Nos	12415	12983	13578	14203	14864	68043

Table 4-75: Summary of Network Addition for 5th Control Period for TSSPDCL

Description	Unit	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	Total (FY 2024-25 to FY 2028-29)
Sub-station Additions	Nos	66	80	87	88	90	93	438
PTR Additions	Nos	12	13	14	15	17	19	78
PTR Augmentation	Nos	67	67	68	69	71	72	347
Feeder Additions	Nos	2	10	14	22	29	14	88
DTR Unit Additions	Nos	29773	31586	33233	34966	36796	38724	175305

Table 4-76: Summary of Network Addition for 6th Control Period for TSSPDCL

Description	Unit	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34	Total (FY 2029-30 to FY 2033-34)
Sub-station Additions	Nos	93	97	99	100	102	491
PTR Additions	Nos	28	30	32	37	38	165
PTR Augmentation	Nos	83	83	91	95	100	452
Feeder Additions	Nos	15	21	34	46	21	137
DTR Unit Additions	Nos	34504	32958	37765	36215	44837	186279

4.6.29 The Base Capex plan arrived for the network projections proposed for 5th Control Period and 6th Control Periods is as follows:

Table 4-77: Base Capex plan for 5th Control Period by TSNPDCL (Rs. Cr.)

Network Elements	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	Total
Sub-Stations	245.98	303.34	384.88	430.42	604.89	1969.51
PTR Addition	12.62	19.77	33.76	43.56	56.66	166.37
PTR Augmentation	11.46	15.67	17.72	25.28	33.41	103.54
Feeder Addition	0.85	1.77	4.03	6.16	8.89	21.70
DTR Addition	684.45	754.66	832.32	917.26	1010.30	4199.00
Total	955.36	1095.22	1272.71	1422.67	1714.15	6460.12

Table 4-78: Base Capex plan for 5th Control Period by TSSPDCL (Rs. Cr.)

Network Elements	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	Total
Sub-Stations Unit Additions	521.34	582.73	615.79	655.69	731.93	3107.49
PTR Additions	9.71	10.84	12.06	14.11	17.07	63.78
PTR Augmentation	50.44	53.32	56.35	60.50	66.84	287.45
Feeder Additions	3.19	4.67	7.67	10.92	5.59	32.04
DTR Additions	969.23	1067.87	1176.51	1296.62	1429.10	5939.35
Total	1553.93	1719.43	1868.38	2037.84	2250.53	9430.11

Table 4-79: Base Capex plan for 6th Control Period by TSNPDCL (Rs. Cr.)

Network Elements	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34	Total
Sub-Stations	471.06	505.44	508.76	575.61	601.00	2661.86

Network Elements	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34	Total
PTR Addition	45.52	48.50	52.99	57.29	60.89	265.18
PTR Augmentation	22.07	25.50	28.47	32.30	35.60	143.93
Feeder Addition	2.58	3.80	6.00	9.00	10.17	31.56
DTR Addition	938.25	1027.51	1125.33	1232.71	1351.20	5675.00
Total	1479.48	1610.75	1721.55	1906.90	2058.85	8777.54

Table 4-80: Base Capex plan for 6th Control Period by TSSPDCL (Rs. Cr.)

Network Elements	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34	Total
Sub-Stations	768.98	834.92	847.80	892.24	941.77	4,285.71
PTR Addition	25.57	28.53	30.33	36.40	39.05	159.88
PTR Augmentation	82.16	85.92	94.96	102.82	113.28	479.14
Feeder Addition	6.27	9.39	15.05	21.66	10.26	62.63
DTR Addition	1,374.21	1,402.46	1,655.01	1,695.54	2,128.82	8,256.04
Total	2,257.19	2,361.22	2,643.15	2,748.66	3,233.18	13,243.40

4.6.30 The details of Other Capital Expenditure that the TSDISCOMs are expected to incur for the 5th Control Period and 6th Control Periods are as mentioned below:

Table 4-81: Other Capex plan for 5th Control Period by TSNPDCL (Rs. Cr.)

Investment Area	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	Total
AT & C Loss Reduction	23.20	10.50	12.50	15.50	12.30	74.00
Conversion of S-Ph to 3-Ph AGL DTRs	17.50	0.50	0.50	0.50	0.50	19.50
Replacing OH line with UG cables	1.50	2.50	2.50	3.00	3.00	12.50
Replacement of existing 34 sq.mm. conductor with 55 sq. mm. conductor (3-Ph)	4.20	7.50	9.50	12.00	8.80	42.00
Reliability Improvement & Contingency Schemes	56.63	82.00	96.43	97.85	104.10	437.00
Reconductoring of lines (55 sq.mm. conductor with 100 sq.mm. conductor)	2.50	4.00	5.00	4.50	5.00	21.00
Covered Conductor	2.50	5.00	7.50	9.00	9.00	33.00
Provision of alternate supply at 33 kV for consumers	3.78	9.00	11.33	10.95	4.95	40.00
Addition of 33 kV lines	3.63	8.70	10.88	10.65	4.53	38.38
No. of Bays	0.15	0.30	0.45	0.30	0.43	1.63
Replacement of existing 100 sq.mm. conductor with higher size of conductor in 33 kV lines	0.50	1.50	20.00	0.75	0.25	5.00
Provision of alternate supply at 11 kV for consumers	12.35	15.00	18.10	20.15	27.40	93.00
Addition of 11 kV line	12.00	14.50	17.50	19.50	26.50	90.00
No. of Bays	0.35	0.50	0.60	0.65	0.90	3.00
Provision of alternate supply for LT consumers (Addition of LT line)	27.50	35.00	40.00	42.50	50.00	195.00
Replacement of damaged LT AB cable in SC/ST habitations	7.50	12.50	12.50	10.00	7.50	50.00
Renovation & Modernization	59.75	88.38	117.00	145.63	174.25	585.00
R&M of Sub-station	5.25	7.88	10.50	13.13	15.75	52.50
VCBs in Sub-station	0.38	0.56	0.75	0.94	1.13	3.75

Investment Area	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	Total
33 kV Line	27.50	41.25	55.00	68.75	82.50	275.00
11 kV Line	13.08	19.61	26.15	32.69	39.23	130.75
DTR	6.30	9.45	12.60	15.75	18.90	63.00
LT line	1.25	1.87	2.50	3.12	3.75	12.50
PTRs	3.00	4.50	6.00	7.50	9.00	30.00
Safety Equipment	3.00	3.25	3.50	3.75	4.00	17.50
Technology Upgradation	62.75	63.75	64.75	66.00	67.70	324.95
Automation of Sub-stations	7.50	8.00	8.50	9.00	10.00	43.00
GIS mapping	7.50	7.50	7.50	7.50	7.50	37.50
WAN	1.00	1.00	1.00	1.00	1.00	5.00
SCADA/DMS	30.00	30.00	30.00	30.00	30.00	150.00
Hardware refresh, SAP upgradation Data Analyses tools, Dashboard, Outage Management System (OMS), PTR Monitoring system, Load flow analysis, etc.	15.00	15.00	15.00	15.00	15.00	75.00
Administrative support (Computers and printers)	1.75	2.25	2.75	3.50	4.20	14.45
New Consumer Capex	118.00	125.08	132.58	140.54	148.97	665.18
33 kV line for new consumer (including LI schemes)	0.08	0.08	0.09	0.10	0.10	0.45
Consumer Meters	20.58	21.81	23.12	24.51	25.98	116.01
LT 1-Phase Meters	18.07	19.15	20.30	21.52	22.81	101.86
LT 3-Phase Meters	1.70	1.80	1.90	2.02	2.14	9.55
LT CT Meters	0.82	0.86	0.92	0.97	1.03	4.59
HT metering Net (Meter cost including CT/PT)	1.94	2.06	2.18	2.31	2.45	10.94
Infrastructure required for AGL	95.40	101.12	107.19	113.62	120.44	537.78
Civil Infrastructure Development	23.40	23.40	23.40	23.40	23.40	117.00
Construction of Office Buildings	20.00	20.00	20.00	20.00	20.00	100.00
Administrative Support (furniture)	3.40	3.40	3.40	3.40	3.40	17.00
Capacitor Bank	17.00	17.00	17.00	17.00	17.00	85.00
2/1 MVAR Capacitor Bank	15.00	15.00	15.00	15.00	15.00	75.00
600 kVAR Line Capacitor	2.00	2.00	2.00	2.00	2.00	10.00
AGL Feeder Segregation	78.75	112.50	157.50	225.00	216.00	789.75
Total Other Capex for TSNPDCL	439.48	522.61	621.16	730.91	763.72	3077.88

Table 4-82: Other Capex plan for 5th Control Period by TSSPDCL (Rs. Cr.)

Investment Area	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	Total
AT & C Loss Reduction	35.83	35.45	34.09	33.77	22.44	161.58
Meter Replacement (installation of High-Quality meters)	23.50	22.50	20.50	19.50	7.45	93.45
Replacement of existing 35 sq.mm. conductor with 55 sq.mm. conductor and 20sqmm with 34sqmm	12.33	12.95	13.59	14.27	14.99	68.13
Reliability Improvement & Contingency Schemes	337.18	436.98	458.82	481.77	505.85	2220.6
Auto-reclosures	0.00	25.30	26.57	27.90	29.29	109.06
Sectionalisers	0.00	28.11	29.52	31.00	32.55	121.17
3-way RMUs (SCADA Compatible)	0.00	21.09	22.14	23.25	24.41	90.88
Fault Passage Indicators (SCADA compatible)	0.00	8.43	8.86	9.30	9.76	36.35
Reconductoring of lines	1.21	1.27	1.33	1.40	1.47	6.69

Investment Area	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	Total
Replacing OH line with UG cables	7.86	8.25	8.66	9.09	9.55	43.41
Provision of alternate supply at 33 kV level	31.24	32.80	34.44	36.16	37.97	172.61
Addition of 33 kV lines	27.27	28.64	30.07	31.57	33.15	150.70
Bays -33 kV	3.96	4.16	4.37	4.59	4.82	21.91
Provision of alternate supply at 11KV level	116.25	122.06	128.16	134.57	141.30	642.35
Addition of 11kV line	115.96	121.76	127.84	134.24	140.95	640.74
Bays -11 kV	0.29	0.30	0.32	0.34	0.35	1.60
Provision of alternate supply LT voltage	180.63	189.66	199.14	209.10	219.55	998.08
Addition of LT line	180.63	189.66	199.14	209.10	219.55	998.08
Renovation & Modernization	15.00	16.28	17.71	19.31	21.09	89.39
R & M of existing assets	12.71	13.88	15.19	16.66	18.30	76.73
R & M of SS	7.35	7.71	8.10	8.51	8.93	40.60
R & M of civil infrastructure (Office buildings/ furniture)	5.36	6.16	7.09	8.15	9.37	36.13
Proposed Retirement of existing assets	2.29	2.41	2.53	2.65	2.78	12.66
33/11kV SS	0.00	0.00	0.00	0.00	0.00	0.00
33 kV line	0.00	0.00	0.00	0.00	0.00	0.00
11 kV line	0.00	0.00	0.00	0.00	0.00	0.00
DTR	2.29	2.41	2.53	2.65	2.78	12.66
LT line	0.00	0.00	0.00	0.00	0.00	0.00
New Consumer Capex	198.18	214.09	230.29	246.81	263.65	1153.02
Network additions for release of new service connections	80.00	90.00	100.00	110.00	120.00	500.00
-33 kV line for new consumer (including LI schemes)	80.00	90.00	100.00	110.00	120.00	500.00
- Service Wire	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Meters	118.18	124.09	130.29	136.81	143.65	653.02
- LT meters	62.98	66.13	69.44	72.91	76.55	348.00
HT metering set (Meter cost including CT/PT)	55.20	57.96	60.86	63.90	67.10	305.01
Other Schemes						0
Civil Infrastructure Development	3.32	3.25	3.91	1.92	2.37	14.77
Construction of Office buildings	3.09	2.99	3.62	1.59	2.01	13.29
Furniture	0.17	0.19	0.21	0.23	0.25	1.05
AC's	0.07	0.08	0.09	0.10	0.11	0.44
Administrative Support (Computers)						0
Technology Upgradation	37.85	28.02	18.46	21.43	11.84	117.60
Automation of Substations	5.00	5.25	5.51	5.79	6.08	27.63
GIS mapping	0.04	0.04	0.04	0.04	0.05	0.21
WAN	25.20	2.00	2.00	2.50	2.50	34.2
AMR solutions	0.61	0.73	0.91	1.10	1.22	4.57
SCADA Control centre (new)	6.00	0	0	0	0	6.00
ERP/IT applications	1.00	20.00	10.00	12.00	2.00	45.00
Land Cost for SS	58.38	83.35	114.37	128.55	141.73	526.38
Road Cutting Cost (Cables for SS)	3.66	3.84	4.84	5.93	6.54	24.80
AGL Feeder Segregation	225.00	250.00	300.00	350.00	360.00	1485.00
Total	914.40	1071.26	1182.51	1289.48	1335.50	5793.15

Table 4-83: Other Capex plan for 6th Control Period by TSNPDCL (Rs. Cr.)

Investment Area	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34	Total
AT & C Loss Reduction	23.20	10.50	12.50	15.50	12.30	74.00
Conversion of S-Ph to 3-Ph AGL DTRs	17.50	0.50	0.50	0.50	0.50	19.50
Replacing OH line with UG cables	1.50	2.50	2.50	3.00	3.00	12.50
Replacement of existing 34 sq.mm. conductor with 55 sq.mm. conductor (3-Ph)	4.20	7.50	9.50	12.00	8.80	42.00
Reliability Improvement & Contingency Schemes	56.63	82.00	96.43	97.85	104.10	437.00
Reconductoring of lines (55 sq.mm. conductor with 100 sq.mm. conductor)	2.50	4.00	5.00	4.50	5.00	21.00
Covered Conductor	2.50	5.00	7.50	9.00	9.00	33.00
Provision of alternate supply at 33 kV for consumers	3.78	9.00	11.33	10.95	4.95	40.00
Addition of 33 kV lines	3.63	8.70	10.88	10.65	4.53	38.38
No. of Bays	0.15	0.30	0.45	0.30	0.43	1.63
Replacement of existing 100 sq.mm. conductor with higher size of conductor in 33 kV lines	0.50	1.50	2.00	0.75	0.25	5.00
Provision of alternate supply at 11 kV for consumers	12.35	15.00	18.10	20.15	27.40	93.00
Addition of 11 kV line	12.00	14.50	17.50	19.50	26.50	90.00
No. of Bays	0.35	0.50	0.60	0.65	0.90	3.00
Provision of alternate supply for LT consumers (Addition of LT line)	27.50	35.00	40.00	42.50	50.00	195.00
Replacement of damaged LT AB cable in SC/ST habitations	7.50	12.50	12.50	10.00	7.50	50.00
Renovation & Modernization	59.75	88.38	117.00	145.63	174.25	585.00
R&M of Sub-station	5.25	7.88	10.50	13.13	15.75	52.50
VCBs in Sub-station	0.38	0.56	0.75	0.94	1.13	3.75
33 kV Line	27.50	41.25	55.00	68.75	82.50	275.00
11 kV Line	13.08	19.61	26.15	32.69	39.23	130.75
DTR	6.30	9.45	12.60	15.75	18.90	63.00
LT line	1.25	1.87	2.50	3.12	3.75	12.50
PTRs	3.00	4.50	6.00	7.50	9.00	30.00
Safety Equipment	3.00	3.25	3.50	3.75	4.00	17.50
Technology Upgradation	62.75	63.75	64.75	66.00	67.70	324.95
Automation of Sub-stations	7.50	8.00	8.50	9.00	10.00	43.00
GIS mapping	7.50	7.50	7.50	7.50	7.50	37.50
WAN	1.00	1.00	1.00	1.00	1.00	5.00
SCADA/DMS	30.00	30.00	30.00	30.00	30.00	150.00
Hardware refresh, SAP upgradation Data Analyses tools, Dashboard, Outage Management System (OMS), PTR Monitoring system, Load flow analysis, etc.	15.00	15.00	15.00	15.00	15.00	75.00
Administrative support (Computers and printers)	1.75	2.25	2.75	3.50	4.20	14.45
New Consumer Capex	118.00	125.08	132.58	140.54	148.97	665.18

Investment Area	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34	Total
33 kV line for new consumer (including LI schemes)	0.08	0.08	0.09	0.10	0.10	0.45
Consumer Meters	20.58	21.81	23.12	24.51	25.98	116.01
LT 1-Phase Meters	18.07	19.15	20.3	21.52	22.81	101.86
LT 3-Phase Meters	1.70	1.80	1.90	2.02	2.14	9.55
LT CT Meters	0.82	0.86	0.92	0.97	1.03	4.59
HT metering Net (Meter cost including CT/PT)	1.94	2.06	2.18	2.31	2.45	10.94
Infrastructure required for AGL	95.40	101.12	107.19	113.62	120.44	537.78
Civil Infrastructure Development	30.00	30.00	30.00	30.00	30.00	150.00
Construction of Office Buildings	30.00	30.00	30.00	30.00	30.00	150.00
Administrative Support (furniture)	0.00	0.00	0.00	0.00	0.00	0.00
Capacitor Bank	17.00	17.00	17.00	17.00	17.00	85.00
2/1 MVAR Capacitor Bank	15.00	15.00	15.00	15.00	15.00	75.00
600 kVAR Line Capacitor	2.00	2.00	2.00	2.00	2.00	10.00
AGL Feeder Segregation	96.25	137.50	192.50	275.00	264.00	965.25
Total Other Capex for TSNPDCL	463.58	554.21	662.76	787.51	818.32	3286.38

Table 4-84: Other Capex plan for 6th Control Period by TSSPDCL (Rs. Cr.)

Investment Area	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34	Total
AT & C Loss Reduction	15.74	16.52	17.35	18.22	19.13	86.96
Meter Replacement (installation of High-Quality meters)	0.00	0.00	0.00	0.00	0.00	0.00
Replacement of existing 35 sq.mm. conductor with 55 sq.mm. conductor and 20sqmm with 34sqmm	15.74	16.52	17.35	18.22	19.13	86.96
Reliability Improvement & Contingency Schemes	531.15	557.70	585.59	614.87	645.61	2934.92
Auto-reclosures	30.76	32.29	33.91	35.60	37.38	169.94
Sectionalisers	34.17	35.88	37.68	39.56	41.54	188.82
3-way RMUs (SCADA compatible)	25.63	26.91	28.26	29.67	31.15	141.62
Fault Passage Indicators (SCADA compatible)	10.25	10.76	11.3	11.87	12.46	56.65
Reconductoring of lines	1.54	1.62	1.70	1.79	1.88	8.53
Replacing OH line with UG cables	10.03	10.53	11.05	11.61	12.19	55.4
Provision of alternate supply at 33 kV level	39.87	41.86	43.95	46.15	48.46	220.29
Addition of 33 kV lines	34.81	36.55	38.38	40.29	42.31	192.34
Bays -33 kV	5.06	5.31	5.58	5.86	6.15	27.96
Provision of alternate supply at 11 kV level	148.37	155.78	163.57	171.75	180.34	819.82
Addition of 11 kV line	148.00	155.4	163.17	171.32	179.89	817.77
Bays -11 kV	0.37	0.39	0.41	0.43	0.45	2.05
Provision of alternate supply LT voltage	230.53	242.06	254.16	266.87	280.21	1273.83
Addition of LT line	230.53	242.06	254.16	266.87	280.21	1273.83
Renovation & Modernization	22.61	24.26	26.04	27.96	30.05	130.91
R & M of existing assets	19.69	21.19	22.81	24.58	26.49	114.76

Investment Area	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34	Total
R & M of SS	9.38	9.85	10.34	10.85	11.4	51.81
R & M of civil infrastructure (Office buildings/ furniture)	10.31	11.34	12.48	13.72	15.1	62.94
Proposed Retirement of existing assets	2.92	3.07	3.22	3.38	3.55	16.15
33/11 kV SS	0.00	0.00	0.00	0.00	0.00	0.00
33 kV line	0.00	0.00	0.00	0.00	0.00	0.00
11 kV line	0.00	0.00	0.00	0.00	0.00	0.00
DTR	2.92	3.07	3.22	3.38	3.55	16.15
LT line	0.00	0.00	0.00	0.00	0.00	0.00
New Consumer Capex	280.83	298.37	316.29	334.61	353.34	1583.44
Network additions for release of new service connections	130.00	140.00	150.00	160.00	170.00	750.00
-33 kV line for new consumer (including LI schemes)	130.00	140.00	150.00	160.00	170.00	750.00
- Service Wire						0
Consumer Meters	150.83	158.37	166.29	174.61	183.34	833.44
- LT meters	80.38	84.4	88.62	93.05	97.7	444.15
- HT metering set (Meter cost including CT/PT)	70.45	73.97	77.67	81.56	85.63	389.28
Other Schemes	0.00	0.00	0.00	0.00	0.00	0.00
Civil Infrastructure Development	3.38	2.44	1.96	2.01	3.46	13.25
Construction of Office buildings	2.99	2.01	1.49	1.49	2.88	10.85
Furniture	0.28	0.31	0.34	0.37	0.41	1.70
AC's	0.12	0.13	0.14	0.16	0.17	0.71
Administrative Support (Computers)	0.00	0.00	0.00	0.00	0.00	0.00
Technology Upgradation	12.23	39.56	36.39	26.75	27.12	142.05
Automation of Substations	6.38	6.70	7.04	7.39	7.76	35.26
GIS mapping	0.05	0.05	0.05	0.06	0.06	0.26
WAN	3.00	30	4.00	4.00	4.00	45.00
AMR solutions	0.31	0.31	0.31	0.31	0.31	1.53
SCADA Control centre (new)						0
ERP/IT applications	2.50	2.50	25.00	15.00	15.00	60.00
Land Cost for SS	85.23	93.97	103.6	114.22	125.92	522.93
Road Cutting Cost (Cables for SS)	4.67	5.15	5.67	6.26	6.90	28.64
AGL Feeder Segregation	0	0	0	0	0	0
Total	955.84	1037.97	1092.89	1144.88	1211.52	5443.10

Table 4-85: Total Capex of TSNPDCL for 5th Control Period (Rs. Cr.)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	Total
Base Capex	955.36	1,095.22	1,272.71	1,422.67	1,714.15	6,460.12
Other Capex	439.48	522.61	621.16	730.91	763.72	3,077.88
Total Capex	1,394.84	1,617.83	1,893.87	2,153.59	2,477.88	9,538.00

Table 4-86: Total Capex of TSNPDCL for 6th Control Period (Rs. Cr.)

Particulars	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34	Total
Base Capex	1,479.48	1,610.75	1,721.55	1,906.90	2,058.85	8,777.54
Other Capex	436.58	554.21	662.76	787.51	818.32	3,286.38

Total Capex	1,943.06	2,164.95	2,384.31	2,694.41	2,877.18	12,063.91
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Table 4-87 : Total Capex of TSSPDCL for 5th Control Period (Rs. Cr.)

Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	Total
Base Capex	1,553.93	1,719.43	1,868.38	2,037.84	2,250.53	9,430.11
Other Capex	914.40	1,071.26	1,182.51	1,289.48	1,335.51	5,793.15
Total Capex	2,468.32	2,790.69	3,050.89	3,327.32	3,586.04	15,223.26

Table 4-88 : Total Capex of TSSPDCL for 6th Control Period (Rs. Cr.)

Particulars	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34	Total
Base Capex	2,257.19	2,361.21	2,643.14	2,748.66	3,233.19	13,243.39
Other Capex	955.84	1,037.97	1,092.89	1,144.88	1,211.52	5,443.10
Total Capex	3,213.02	3,399.18	3,736.03	3,893.55	4,444.71	18,686.49

4.6.31 The Capital Expenditure and Capitalization proposed for the 5th Control Period for both the distribution licensees are shown in the Table below:

Table 4-89: Capex and Capitalization for 5th Control Period by TSNPDCL (Rs. Cr.)

Description	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Opening Balance of Capital Work in Progress (CWIP)	503.38	552.08	610.29	714.56	794.07	883.07	976.40
Capital Expenditure during the year	513.58	630.32	1,394.84	1,617.83	1,893.87	2,153.59	2,477.88
Expenses Capitalized	50.71	54.36	106.70	11.050	111.29	110.07	110.39
Interest during Construction	32.26	43.50	103.08	117.18	120.69	128.12	129.82
Transfer of fixed assets	547.85	669.97	1,500.35	1,765.56	2,036.84	2,298.45	2,629.81
Closing CWIP	552.08	610.29	714.56	794.07	883.07	976.40	1064.68

Table 4-90: Capex and Capitalization for 5th Control Period by TSSPDCL (Rs. Cr.)

Description	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Opening Balance of Capital Work in Progress (CWIP)	1,087.92	1,080.43	1,072.78	1,060.21	1,045.99	1,030.46	1,013.52
Capital Expenditure during the year	1,471.55	1,500.98	2,468.32	2,790.69	3,050.89	3,327.32	3,586.03
Expenses Capitalized	110.91	113.12	186.03	210.32	229.94	250.77	270.27
Interest during Construction	16.85	17.19	28.26	31.95	34.94	38.11	41.07
Transfer of fixed assets	1,606.8	1,638.94	2,695.18	3,047.18	3,331.30	3,633.14	3,915.64
Closing CWIP	1,080.43	1,072.78	1,060.21	1,045.99	1,030.46	1,013.52	995.25

Commission's Analysis:

Capex Expenditure

4.6.32 The Commission has observed and examined the parameters and procedure adopted by TSDISCOMs for projection of Capital Expenditure and Capitalisation.

The Commission, while approving the Resource Plan for 5th Control Period and 6th Control Period has taken the following into consideration:

- i. As per Clause 22 of Regulation No. 4 of 2016 (Distribution License Regulations), the DISCOMs shall have the duty to develop and maintain an efficient, coordinated and economical distribution system in their respective areas of distribution and to supply electricity in accordance with the provisions of the Electricity Act, 2003.
- ii. The Commission is guided by Section 61(c) of the Electricity Act, 2003, the factors which would encourage competition, efficiency, economical use of resources, good performance and optimum investments while determining the tariff.
- iii. The resource plans submitted by the DISCOMs.

4.6.33 The Commission after examining the investments with reference to the above points and computations of investments, has adopted the same methodology as considered by the DISCOMs with following changes:

- i. The Commission has recomputed the infrastructure / network requirement based on the approved projected Connected Load for 5th Control Period and 6th Control Period. Further, the same is considered proportionately to determine the base capex for 5th Control Period and 6th Control Period.
- ii. The capital investment proposed under the head of "Other Capex" projected by TSDISCOMs appears to be significantly on higher side as compared to the approved investments during 3rd Control Period and 4th Control Period. Further, TSDISCOMs have not provided any basis for projection of Other Capex. Therefore, the Commission has approved 70% of the proposed investments for TSSPDCL and TSNPDCL, respectively.

4.6.34 Based on the above, the Commission has approved the distribution infrastructure for 5th Control Period and 6th Control Period as shown in the Tables below:

Table 4-91: Distribution Infrastructure claimed and approved for TSNPDCL for 5th Control Period (Nos)

Particulars	FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29	
	Claim ed	Appr oved	Claim ed	Appr oved	Claim ed	Appr oved	Claim ed	Appr oved	Claim ed	Appr oved
Sub-Station Unit additions	57	55	67	64	80	76	85	80	112	104
PTR additions	18	17	28	27	45	43	56	53	67	62

Particulars	FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29	
	Claim ed	Appr oved	Claim ed	Appr oved	Claim ed	Appr oved	Claim ed	Appr oved	Claim ed	Appr oved
PTR Augmentation	19	18	25	24	27	26	37	35	45	42
Feeder Additions	3	3	6	6	13	12	18	17	24	22
DTR Additions	11501	11074	12115	11582	12764	12101	13441	12621	14148	13141

Table 4-92: Distribution Infrastructure claimed and approved for TSNPDCL for 6th Control Period (Nos)

Particulars	FY 2029-30		FY 2030-31		FY 2031-32		FY 2032-33		FY 2033-34	
	Claim ed	Appr oved	Claim ed	Appr oved	Claim ed	Appr oved	Claim ed	Appr oved	Claim ed	Appr oved
Sub-Station Unit additions	83	76	85	77	85	76	92	81	93	80
PTR additions	51	47	52	47	57	51	59	52	60	52
PTR Augmentation	28	26	31	28	35	31	38	33	40	34
Feeder Additions	7	6	10	9	15	13	22	19	23	20
DTR Additions	12415	11392	12983	11754	13578	12111	14203	12463	14864	12812

Table 4-93: Distribution Infrastructure claimed and approved for TSSPDCL for 5th Control Period (Nos)

Particulars	FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29	
	Claim ed	Appr oved	Claim ed	Appr oved	Claim ed	Appr oved	Claim ed	Appr oved	Claim ed	Appr oved
Sub-Station Unit additions	80	79	87	84	88	84	90	84	93	85
PTR additions	13	13	14	14	15	14	17	16	19	17
PTR Augmentation	67	66	68	66	69	66	71	66	72	66
Feeder Additions	10	10	14	14	22	21	29	27	14	13
DTR Additions	31586	31158	33233	32230	34966	33317	36796	34425	38724	35547

Table 4-94: Distribution Infrastructure claimed and approved for TSSPDCL for 6th Control Period (Nos)

Particulars	FY 2029-30		FY 2030-31		FY 2031-32		FY 2032-33		FY 2033-34	
	Claim ed	Appr oved	Claim ed	Appr oved	Claim ed	Appr oved	Claim ed	Appr oved	Claim ed	Appr oved
Sub-Station Unit additions	93	84	97	86	99	85	100	84	102	84
PTR additions	28	25	30	26	32	28	37	31	38	31
PTR Augmentation	83	75	83	73	91	79	95	80	100	82
Feeder Additions	15	13	21	19	34	29	46	39	21	17
DTR Additions	34504	31055	32958	29061	37765	32596	36215	30570	44837	36982

4.6.35 Based on the above, the capital investment plan approved by the Commission for 5th Control Period and 6th Control Period is as shown in the Tables below:

Table 4-95: Capital Investment claimed & approved for TSNPDCL for 5th Control Period (Rs. Cr.)

Sl. No.	Particulars	FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29		Total	
		Claimed	Approv ed	Claimed	Approv ed	Claimed	Approv ed	Claimed	Approv ed	Claimed	Approv ed	Claimed	Approv ed
	Base Capex												
1	Sub-Station Unit Additions	245.98	236.85	303.34	290.00	384.88	364.88	430.42	404.15	604.89	561.83	1969.51	1857.71
2	PTR Additions	12.62	12.15	19.77	18.90	33.76	32.01	43.56	40.90	56.66	52.63	166.37	156.59

Sl. No.	Particulars	FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29		Total	
		Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
3	PTR Augmentation	11.46	11.03	15.67	14.98	17.72	16.80	25.28	23.74	33.41	31.03	103.54	97.58
4	Feeder Additions	0.85	0.82	1.77	1.69	4.03	3.82	6.16	5.78	8.89	8.26	21.70	20.37
5	DTR Additions	684.45	659.04	754.66	721.47	832.32	789.07	917.26	861.27	1010.30	938.39	4198.99	3969.24
	Total Base Capex	955.36	919.89	1095.21	1047.04	1272.71	1206.58	1422.68	1335.84	1714.15	1592.14	6460.11	6101.48
	Other Capex												
1	AT & C Loss Reduction	23.20	16.24	10.50	7.35	12.50	8.75	15.50	10.85	12.30	8.61	74.00	51.80
2	Reliability Improvement & Contingency Schemes	56.63	39.64	82.00	57.40	96.43	67.50	97.85	68.50	104.10	72.87	437.01	305.91
3	Renovation & Modernization	59.75	41.83	88.38	61.87	117.00	81.90	145.63	101.94	174.25	121.98	585.01	409.51
4	New Consumer Capex	118.00	82.60	125.08	87.56	132.58	92.81	140.54	98.38	148.97	104.28	665.17	465.62
5	Civil Infrastructure Development	23.40	16.38	23.40	16.38	23.40	16.38	23.40	16.38	23.40	16.38	117.00	81.90
6	Technology Upgradation	62.75	43.93	63.75	44.63	64.75	45.33	66.00	46.20	67.70	47.39	324.95	227.47
7	Land Cost for SS												
8	Capacitor Bank	17.00	11.90	17.00	11.90	17.00	11.90	17.00	11.90	17.00	11.90	85.00	59.50
9	AGL Feeder Segregation	78.75	55.13	112.50	78.75	157.50	110.25	225.00	157.50	216.00	151.20	789.75	552.83
	Total Other Capex	439.48	307.64	522.61	365.83	621.16	434.81	730.92	511.64	763.72	534.60	3077.89	2154.52
	Total Capex	1394.84	1227.53	1617.82	1412.87	1893.87	1641.39	2153.60	1847.49	2477.87	2126.74	9538.00	8256.01

Table 4-96: Capital Investment claimed & approved for TSNPDCL for 6th Control Period (Rs. Cr.)

Sl. No.	Particulars	FY 2029-30		FY 2030-31		FY 2031-32		FY 2032-33		FY 2033-34		Total	
		Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
	Base Capex												
1	Sub-Station Unit Additions	471.06	432.26	505.44	457.59	508.76	453.78	575.61	505.08	601.00	518.02	2661.87	2366.73
2	PTR Additions	45.52	41.77	48.50	43.91	52.99	47.26	57.29	50.27	60.89	52.48	265.19	235.70
3	PTR Augmentation	22.07	20.25	25.50	23.09	28.47	25.39	32.30	28.34	35.60	30.68	143.94	127.76
4	Feeder Additions	2.58	2.37	3.80	3.44	6.00	5.35	9.00	7.90	10.17	8.77	31.55	27.82
5	DTR Additions	938.25	860.96	1027.51	930.23	1125.33	1003.72	1232.71	1081.66	1351.20	1164.64	5675.00	5041.22
	Total Base Capex	1479.48	1357.61	1610.75	1458.26	1721.55	1535.52	1906.91	1673.25	2058.86	1774.59	8777.55	7799.22
	Other Capex												
1	AT & C Loss Reduction	23.20	16.24	10.50	7.35	12.50	8.75	15.50	10.85	12.30	8.61	74.00	51.80
2	Reliability Improvement & Contingency Schemes	56.63	39.64	82.00	57.40	96.43	67.50	97.85	68.50	104.10	72.87	437.01	305.91
3	Renovation & Modernization	59.75	41.83	88.38	61.87	117.00	81.90	145.63	101.94	174.25	121.98	585.01	409.51
4	New Consumer Capex	118.00	82.60	125.08	87.56	132.58	92.81	140.54	98.38	148.97	104.28	665.17	465.62

Sl. No.	Particulars	FY 2029-30		FY 2030-31		FY 2031-32		FY 2032-33		FY 2033-34		Total	
		Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
5	Civil Infrastructure Development	30.00	21.00	30.00	21.00	30.00	21.00	30.00	21.00	30.00	21.00	150.00	105.00
6	Technology Upgradation	62.75	43.93	63.75	44.63	64.75	45.33	66.00	46.20	67.70	47.39	324.95	227.47
7	Land Cost for SS	-	-	-	-	-	-	-	-	-	-	-	-
8	Capacitor Bank	17.00	11.90	17.00	11.90	17.00	11.90	17.00	11.90	17.00	11.90	85.00	59.50
9	AGL Feeder Segregation	96.25	67.38	137.50	96.25	192.50	134.75	275.00	192.50	264.00	184.80	965.25	675.68
	Total Other Capex	463.58	324.51	554.21	387.95	662.76	463.93	787.52	551.26	818.32	572.82	3286.39	2300.47
	Total Capex	1943.06	1682.11	2164.96	1846.20	2384.31	1999.45	2694.43	2224.51	2877.18	2347.41	12063.94	10099.69

Table 4-97: Capital Investment claimed & approved for TSSPDCL for 5th Control Period (Rs. Cr.)

Sl. No.	Particulars	FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29		Total	
		Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
	Base Capex												
1	Sub-Station Unit Additions	521.34	514.28	582.73	565.14	615.79	586.76	655.69	613.45	731.93	671.89	3107.48	2951.51
2	PTR Additions	9.71	9.58	10.84	10.51	12.06	11.49	14.11	13.20	17.07	15.67	63.79	60.45
3	PTR Augmentation	50.44	49.76	53.32	51.71	56.35	53.69	60.50	56.60	66.84	61.36	287.45	273.12
4	Feeder Additions	3.19	3.15	4.67	4.53	7.67	7.31	10.92	10.22	5.59	5.13	32.04	30.33
5	DTR Additions	969.23	956.10	1067.87	1035.63	1176.51	1121.04	1296.62	1213.08	1429.10	1311.87	5939.33	5637.73
	Total Base Capex	1553.91	1532.86	1719.43	1667.52	1868.38	1780.29	2037.84	1906.55	2250.53	2065.92	9430.09	8953.14
	Other Capex												
1	AT & C Loss Reduction	35.83	25.08	35.45	24.82	34.09	23.86	33.77	23.64	22.44	15.71	161.58	113.11
2	Reliability Improvement & Contingency Schemes	337.18	236.03	436.98	305.89	458.82	321.17	481.77	337.24	505.85	354.10	2220.60	1554.42
3	Renovation & Modernization	15.00	10.50	16.28	11.40	17.71	12.40	19.31	13.52	21.09	14.76	89.39	62.57
4	New Consumer Capex	198.18	138.73	214.09	149.86	230.29	161.20	246.81	172.77	263.65	184.56	1153.02	807.11
5	Civil Infrastructure Development	3.32	2.32	3.25	2.28	3.91	2.74	1.92	1.34	2.37	1.66	14.77	10.34
6	Technology Upgradation	37.85	26.50	28.02	19.61	18.46	12.92	21.43	15.00	11.84	8.29	117.60	82.32
7	Land Cost for SS	58.38	40.87	83.35	58.35	114.37	80.06	128.55	89.99	141.73	99.21	526.38	368.47
8	Capacitor Bank	3.66	2.56	3.84	2.69	4.84	3.39	5.93	4.15	6.54	4.58	24.81	17.37
9	AGL Feeder Segregation	225.00	157.50	250.00	175.00	300.00	210.00	350.00	245.00	360.00	252.00	1485.00	1039.50
	Total Other Capex	914.40	640.08	1071.26	749.88	1182.49	827.74	1289.49	902.64	1335.51	934.86	5793.15	4055.21
	Total Capex	2468.31	2172.94	2790.69	2417.40	3050.87	2608.03	3327.33	2809.19	3586.04	3000.77	15223.24	13008.35

Table 4-98: Capital Investment claimed & approved for TSSPDCL for 6th Control Period (Rs. Cr.)

Sl. No	Particulars	FY 2029-30		FY 2030-31		FY 2031-32		FY 2032-33		FY 2033-34		Total	
		Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
	Base Capex												
1	Sub-Station Unit Additions	768.98	692.10	834.92	736.19	847.80	731.75	892.24	753.17	941.77	776.78	4285.71	3689.99
2	PTR Additions	25.57	23.01	28.53	25.16	30.33	26.18	36.40	30.73	39.05	32.21	159.88	137.28
3	PTR Augmentation	82.16	73.95	85.92	75.76	94.96	81.96	102.82	86.79	113.28	93.43	479.14	411.90
4	Feeder Additions	6.27	5.64	9.39	8.28	15.05	12.99	21.66	18.28	10.26	8.46	62.63	53.66
5	DTR Additions	1374.21	1236.83	1402.46	1236.61	1655.01	1428.47	1695.54	1431.27	2128.82	1755.87	8256.04	7089.05
	Total Base Capex	2257.19	2031.53	2,361.22	2081.99	2643.15	2281.35	2748.66	2320.25	3233.18	2666.76	13243.40	11381.88
	Other Capex												
1	AT & C Loss Reduction	15.74	11.02	16.52	11.56	17.35	12.15	18.22	12.75	19.13	13.39	86.96	60.87
2	Reliability Improvement & Contingency Schemes	531.15	371.81	557.70	390.39	585.59	409.91	614.87	430.41	645.61	451.93	2934.92	2054.44
3	Renovation & Modernization	22.61	15.83	24.26	16.98	26.04	18.23	27.96	19.57	30.05	21.04	130.92	91.64
4	New Consumer Capex	280.83	196.58	298.37	208.86	316.29	221.40	334.61	234.23	353.34	247.34	1,583.44	1,108.41
5	Civil Infrastructure Development	3.38	2.37	2.44	1.71	1.96	1.37	2.01	1.41	3.46	2.42	13.25	9.28
6	Technology Upgradation	12.23	8.56	39.56	27.69	36.39	25.47	26.75	18.73	27.12	18.98	142.05	99.44
7	Land Cost for SS	85.23	59.66	93.97	65.78	103.60	72.52	114.22	79.95	125.92	88.14	522.94	366.06
8	Capacitor Bank	4.67	3.27	5.15	3.61	5.67	3.97	6.26	4.38	6.90	4.83	28.65	20.06
9	AGL Feeder Segregation	-	-	-	-	-	-	-	-	-	-	-	-
	Total Other Capex	955.84	669.09	1037.97	726.58	1092.89	765.02	1144.90	801.43	1211.53	848.07	5443.13	3810.19
	Total Capex	3213.03	2700.62	3399.19	2808.57	3736.04	3046.37	3893.56	3121.68	4444.71	3514.83	18686.53	15192.07

4.6.36 The DISCOMs are directed to seek the approval of the Commission for individual schemes as per MYT Regulation in force by submitting the following details and documents for each scheme:

- Board Approval.
- Detailed Project Report/Pre-feasibility report.
- Method of execution for each scheme, viz., International Competitive Bidding/Domestic Competitive Bidding.
- Detailed cost estimates for each item of work covered by the scheme;
- Financing plan supported by documents related to administrative approval, financial tie-up etc;

- f) Phasing of expenditure quarter wise for each work/module, supported with details of corresponding sources of funding;
- g) PERT/CPM chart detailing the activities involved in project execution highlighting the anticipated constraints, if any;
- h) Methodology of evaluation and measurement of the benefits accruing out of the investment;
- i) Cost benefit analysis;
- j) Physical benefits of the scheme;
- k) Financial benefits of the scheme supported by detailed calculations to demonstrate the payback period of the investment;

Capitalization

4.6.37 The Commission observed that the capitalisation as percentage of opening Capital Works in Progress (CWIP) plus capital expenditure during the year proposed by the DISCOMs for 5th Control Period (81.01% for TSSPDCL and 75.64% for TSNPDCL), is significantly higher than the actual values during 3rd Control Period and approved value for 4th Control Period (59.33% for TSSPDCL and 47.96% for TSNPDCL).

4.6.38 Therefore, the Commission has taken a realistic approach while approving the capitalisation and has projected the capitalisation as 59.33% for TSSPDCL and 47.96% for TSNPDCL, i.e., based on actual for 3rd Control Period and approved value for 4th Control Period of the capitalisation as percentage of Opening CWIP plus Capital Expenditure during the year.

4.6.39 The Commission has considered the approved value of closing CWIP as on 31.03.2024 as the opening CWIP as on 01.04.2024. Based on the approved capital investment for 5th Control Period and 6th Control Period, the approved capitalisation for 5th Control Period and 6th Control Period is as shown in the Table below:

Table 4-99: Capex and Capitalisation claimed and approved for TSNPDCL for 5th Control Period (Rs. Cr.)

Particulars	FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29	
	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
Opening Balance of Capital Work in Progress (CWIP)	610.29	2018.15	714.56	1785.29	794.06	1767.76	883.07	1878.93	976.40	2045.75
Capital Expenditure during the year	1394.84	1227.53	1617.83	1412.87	1893.87	1641.39	2153.59	1847.49	2477.88	2126.74
Expenses Capitalized	106.70	93.90	110.05	96.11	111.29	96.45	110.07	94.42	110.39	94.75
Interest during Construction	103.08	90.72	117.18	102.34	120.69	104.60	128.12	109.91	129.82	111.42
Transfer of fixed assets	1500.35	1645.00	1765.56	1628.84	2036.84	1731.28	2298.45	1884.99	2629.81	2099.79
Closing CWIP	714.56	1785.29	794.06	1767.76	883.07	1878.93	976.40	2045.75	1064.68	2278.87

Table 4-100: Capex and approved for TSNPDCL for 6th Control Period (Rs. Cr.)

Particulars	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
Opening Balance of Capital Work in Progress (CWIP)	2,278.87	2,061.49	2,033.76	2,099.08	2,250.21
Capital Expenditure during the year	1,682.11	1,846.20	1,999.45	2,224.51	2,347.41
Transfer of fixed assets	1,899.49	1,873.94	1,934.13	2,073.38	2,204.79
Closing CWIP	2,061.49	2,033.76	2,099.08	2,250.21	2,392.83

Table 4-101: Capex & Capitalisation claimed & approved for TSSPDCL for 5th Control Period (Rs. Cr.)

Particulars	FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29	
	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved	Claimed	Approved
Opening Balance of Capital Work in Progress (CWIP)	1072.78	1696.01	1060.21	1650.33	1045.99	1739.81	1030.46	1860.48	1013.52	1998.47
Capital Expenditure during the year	2468.32	2172.94	2790.69	2417.40	3050.89	2608.03	3327.32	2809.19	3586.03	3000.77
Expenses Capitalized	186.03	163.77	210.32	182.19	229.94	196.56	250.77	211.72	270.27	226.16
Interest during Construction	28.26	24.88	31.95	27.68	34.94	29.87	38.11	32.18	41.07	34.37
Transfer of fixed assets	2695.18	2407.27	3047.18	2537.79	3331.30	2713.80	3633.14	2915.09	3915.64	3120.49
Closing CWIP	1060.21	1650.33	1045.99	1739.81	1030.46	1860.48	1013.52	1998.47	995.25	2139.29

Table 4-102: Capex & Capitalisation approved for TSSPDCL for 6th Control Period (Rs. Cr.)

Particulars	FY 2029-30	FY 2030-31	FY 2031-32	FY 2032-33	FY 2033-34
Opening Balance of Capital Work in Progress (CWIP)	2,139.29	1,968.52	1,942.97	2,029.29	2,095.03
Capital Expenditure during the year	2,700.62	2,808.57	3,046.37	3,121.68	3,514.83
Transfer of fixed assets	2,871.39	2,834.12	2,960.04	3,055.94	3,328.19
Closing CWIP	1,968.52	1,942.97	2,029.29	2,095.03	2,281.68

The Commission shall examine the MYT filings as per the MYT Regulation in force.

This Order is corrected and signed on this the 29th day of December, 2023.

Sd/-
(BANDARU KRISHNAIAH)
MEMBER

Sd/-
(M.D. MANOHAR RAJU)
MEMBER

Sd/-
(T. SRIRANGA RAO)
CHAIRMAN



// CERTIFIED COPY //

BEFORE THE HONOURABLE TELANGANA STATE ELECTRICITY REGULATORY COMMISSION D.No.11-4-660, 5 th Floor, Singareni Bhavan, Red Hills, Hyderabad 500 004			
 SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED (TSSPDCL)		 NORTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED (TSNPDCL)	
PUBLIC NOTICE		PUBLIC NOTICE	
<p>1. Notice is hereby given to all that the Distribution Company viz. Southern Power Distribution Company of Telangana Ltd. (TSSPDCL) holding Distribution and Retail Supply License No.13 of 2000 as on 29.12.2000, filed before the Telangana State Electricity Regulatory Commission (TSERC) for approval of Business Plan for 5th Control Period (FY2024-25 to FY2028-29) and 6th Control Period (FY2029-30 to FY2033-34). These filings have been taken on record by the Hon'ble Commission in O.P. No.18 of 2023.</p> <p>2. Copies of the filings referred are available in the office of Chief General Manager (RAC), TSSPDCL, Corporate Office, First floor, Mint Compound, Hyderabad-500063. Interested persons may inspect/peruse the said filings and take note thereof during office hours at the said office free of cost. These proposals are also available on www.tssouthernpower.com and the same may be accessed at www.tserc.gov.in. A copy of these filings can be obtained from the above office from 28.07.2023 onwards on payment of charges for photocopying.</p> <p>3. Objections/Suggestions, if any, on the filings, together with supporting material may be sent to the Chief General Manager (RAC), TSSPDCL, Corporate Office, First floor, Mint Compound, Hyderabad-500063 in person or through Registered Post so as to reach on or before 18.08.2023 by 5 PM. A copy of the same must also be filed with the Secretary, TSERC, at the address mentioned above. The Objections/Suggestions should be duly signed and should carry full name, postal address, e-mail id and contact number of the person(s)/stakeholders(s) sending the objections/suggestions. If the objectional suggestions are filed on behalf of any organization or any category of consumers, it should be clearly mentioned. If the objector also wants to be heard in person it may also be specifically mentioned.</p> <p>4. The Objection/Suggestion should accompany the following statement.</p>		<p>1. Notice is hereby given to all that the Distribution Company viz. Northern Power Distribution Company of Telangana Ltd. (TSNPDCL) holding Distribution and Retail Supply License No.14 of 2000 as on 29.12.2000, filed petition before the Telangana State Electricity Regulatory Commission (TSERC) for approval of Business Plan for 5th Control Period (FY2024-25 to FY2028-29) and 6th Control Period (FY2029-30 to FY2033-34). These filings have been taken on record by the Hon'ble Commission in O.P. No.19 of 2023.</p> <p>2. Copies of the filings referred are available in the office of Chief General Manager (IPC&RAC), TSNPDCL, H.No.2-5-31/2, Corporate Office, Vidyuth Bhavan, Nakkalagutta, Hanumakonda-506001. Interested persons may inspect/peruse the said filings and take note thereof during office hours at any of the said office at free of cost. These proposals are also available on www.tsnpdcl.in in downloadable form and the same may be accessed at www.tserc.gov.in. A copy of these filings can be obtained from the above offices from 28.07.2023 onwards on payment of charges for photocopying.</p> <p>3. Objections/Suggestions, if any, on the filings, together with supporting material may be sent to the Chief General Manager (IPC&RAC), TSNPDCL, H.No.2-5-31/2, Corporate Office, Vidyuth Bhavan, Nakkalagutta, Hanumakonda-506001 in person or through Registered Post so as to reach on or before 18.08.2023 by 5 PM. A copy of the same must also be filed with the Commission Secretary, TSERC, at the address mentioned above. The Objections/Suggestions should be duly signed and should carry full name, postal address, e-mail id and contact number of the person(s)/stakeholders(s) sending the objections/suggestions. If the objections/suggestions are filed on behalf of any organization or any category of consumers, it should be clearly mentioned. If the objector also wants to be heard in person it may also be specifically mentioned.</p> <p>4. The Objection/Suggestion should accompany the following statement.</p>	
Name & full address of the Objector along with e-mail id and contact number	Brief details of Objections(s)/Suggestion(s) on the proposals of TSSPDCL (to be filed by Objector)	Whether copy of objection/ suggestion & proof of delivery at Licensee's office enclosed (Yes/No)	Whether Objector wants to be heard in person (Yes/No)
Name & full address of the Objector along with e-mail id and contact number	Brief details of Objections(s)/Suggestion(s) on the proposals of TSNPDCL (to be filed by Objector)	Whether copy of objection/ suggestion & proof of delivery at Licensee's office enclosed (Yes/No)	Whether Objector wants to be heard in person (Yes/No)
<p>5. Further, the Telangana State Electricity Regulatory Commission intends to conduct a Public Hearing on both i.e., Resource Plans (Sales forecast, load forecast, power procurement plan and capital investment plan for 5th and 6th control periods (scheduled on 05.08.2023) and business plans for 5th and 6th control periods on 01.09.2023 at Court Hall of TSERC, Singareni Bhavan, Lakdi-Ka-Pul, Hyderabad from 11:00 hrs onwards.</p> <p>Place: Hyderabad Date: 28.07.2023</p> <p style="text-align: right;">Sd/-CHAIRMAN & MANAGING DIRECTOR Southern Power Distribution Company of Telangana Limited</p>		<p>5. Further, the Telangana State Electricity Regulatory Commission intends to conduct a Public Hearing on both i.e., Resource Plans (Sales forecast, load forecast, power procurement plan and capital investment plan for 5th and 6th control periods (scheduled on 05.08.2023) and business plans for 5th and 6th control periods on 01.09.2023 at Court Hall of TSERC, Singareni Bhavan, Lakdi-Ka-Pul, Hyderabad from 11:00 hrs onwards.</p> <p>Place: Hanumakonda Date: 28.07.2023</p> <p style="text-align: right;">Sd/-CHAIRMAN & MANAGING DIRECTOR Northern Power Distribution Company of Telangana Limited</p>	
<p>R.O.No.:433-PP/CL-AGENCY/ADVT/1/2023-24 Date: 27-07-2023</p> <p style="text-align: center;">SAVE ENERGY</p>			

Annexure - II: Public Notice – Resource Plan Petitions

గణరపసీయమైన
తెలంగాణ రాష్ట్ర విద్యుత్ నియంత్రణ మండలి వారి సమక్షంలో
 ఇంటి నెం. 11-4-660, 5వ అంతస్తు, సింగరేణి భవన్, రెడ్ హిల్స్, లక్ష్మీ-కా-ఫూల్, హైదరాబాద్-500004

దక్షిణ తెలంగాణ విద్యుత్ పంపిణీ సంస్థ (TSSPDCL)	ఉత్తర తెలంగాణ విద్యుత్ పంపిణీ సంస్థ (TSNPDCL)								
<p style="text-align: center;">బహిరంగ ప్రకటన</p> <p>1. ఇందుమూలంగా డి.ఎస్.ఎస్.పి.డి.సి.ఎల్ పరిధిలోని యావచ్చుందికి తెలియజేయునది ఏమనగా ప్రభుత్వ యాజమాన్యంలోని డిస్ట్రిబ్యూషన్ మరియు రిటైల్ సరఫరా లైసెన్స్ నెం. 13/2000 తేది: 29.12.2000 కలిగి ఉన్న దక్షిణ తెలంగాణ విద్యుత్ పంపిణీ సంస్థ (డి.ఎస్.ఎస్.పి.డి.సి.ఎల్), 5వ నియంత్రణ కాలం (ఆర్థిక సంవత్సరం 2024-25 నుండి ఆర్థిక సంవత్సరం 2028-29 వరకు) మరియు 6వ నియంత్రణ కాలం (ఆర్థిక సంవత్సరం 2029-30 నుండి ఆర్థిక సంవత్సరం 2033-34 వరకు) వనరుల ప్రణాళిక ప్రతిపాదనల దరఖాస్తులను ఆమోదం కొరకు గౌరవనీయ TSERC కి సమర్పించడమైనది. ఈ ప్రతిపాదనలు గౌరవనీయులైన కమీషన్ వారిచే ఓ.పి.నెం. 8/2023 గా ఆమోదం కోసం సమారు చేయడమైనది.</p> <p>2. పైన పేరాలో పేర్కొన్న ఫైరింగ్ ప్రతులు రీఫ్ ఇనరల్ మేనేజర్ (ఆర్.పి.సి) పంపిణీ సంస్థ ప్రధాన కార్యాలయం, (TSSPDCL) కార్పొరేట్ ఆఫీస్, మొదటి అంతస్తు, మింట్ కాంపౌండ్, హైదరాబాద్ - 500063 కార్యాలయం వద్ద లభ్యమవుతాయి. ఆసక్తిగల వారు ఈ ఫైరింగ్ ప్రతులను పైన పేర్కొన్న కార్యాలయం వద్ద వేరేకట్టి ఉచితంగా పరిశీలించవచ్చు. ఈ ప్రతిపాదనలు డిస్ట్రిబ్యూషన్ కంపెనీ వారి వెబ్సైట్ www.tssouthernpower.com లో మరియు www.tserc.gov.in లో లింక్ ద్వారా పొందవచ్చును. ఈ దాఖలాల ప్రతులను 18.05.2023 నుండి పై కార్యాలయాల నుండి ఫోటో కాపీ ద్వారా చెల్లింపుపై పొందవచ్చు.</p> <p>3. ఫైరింగ్ పై ఏదైనా అభ్యంతరాలు/సూచనలు ఉంటే, సపోర్టింగ్ మెటీరియల్తో పాటు రీఫ్ ఇనరల్ మేనేజర్ (RAC) పంపిణీ సంస్థ ప్రధాన కార్యాలయం, TSSPDCL కార్పొరేట్ ఆఫీస్, మొదటి అంతస్తు, మింట్ కాంపౌండ్, హైదరాబాద్ - 500063కు వ్యక్తిగతంగా లేదా రిజిస్టర్డ్ పోస్ట్ ద్వారా 15.06.2023 సాయంత్రం 5 గంటల లోపు పంపగలరు. దాని కాపీని పైన పేర్కొన్న దిరునామాలో కమీషన్ సెక్రటరీ, TSERC వారికి కూడా సమర్పించాలి. అభ్యంతరాలు/సూచనలు నివేదించు వారి సంకేతము(లు) మరియు పూర్తి పేరు, పోస్టల్ దిరునామా, ఇ-మెయిల్ అది మరియు సంప్రదింపు నెంబర్ పొందుపర్చగలరు. ఏదైనా సంస్థ లేదా వినయోగదారుల వర్గం తరఫున అభ్యంతరాలు/సూచనలు దాఖలు చేయబడితే, అది స్పష్టంగా పేర్కొనవలెను. అభ్యంతరదారు(లు) వ్యక్తిగతంగా వినివించాలనుకుంటే ప్రత్యేకంగా పేర్కొనవలెను.</p> <p>4. అభ్యంతరాలు/ సూచనలను ఈ క్రింద పట్టికలో పొందుపర్చి జతపర్చవలెను.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 25%;">అభ్యంతరదారు పేరు మరియు పూర్తి దిరునామాలో పాటు, ఇ-మెయిల్ అది మరియు సంప్రదింపు నంబర్</td> <td style="width: 25%;">డి.ఎస్.ఎస్.పి.డి.సి.ఎల్ యొక్క ప్రతిపాదనల మీద అభ్యంతరాలు/ సూచన(లు) యొక్క సంక్షిప్త వివరాలు</td> <td style="width: 25%;">డి.ఎస్.ఎస్.పి.డి.సి.ఎల్ కార్పొరేట్ కార్యాలయమునకు అభ్యంతర ప్రతిపాదన వివరాలు (అవును/కాదు)</td> <td style="width: 25%;">అభ్యంతరదారు వ్యక్తిగతంగా వినివించవలయు కున్నారా (అవును/లేదు)</td> </tr> </table>	అభ్యంతరదారు పేరు మరియు పూర్తి దిరునామాలో పాటు, ఇ-మెయిల్ అది మరియు సంప్రదింపు నంబర్	డి.ఎస్.ఎస్.పి.డి.సి.ఎల్ యొక్క ప్రతిపాదనల మీద అభ్యంతరాలు/ సూచన(లు) యొక్క సంక్షిప్త వివరాలు	డి.ఎస్.ఎస్.పి.డి.సి.ఎల్ కార్పొరేట్ కార్యాలయమునకు అభ్యంతర ప్రతిపాదన వివరాలు (అవును/కాదు)	అభ్యంతరదారు వ్యక్తిగతంగా వినివించవలయు కున్నారా (అవును/లేదు)	<p style="text-align: center;">బహిరంగ ప్రకటన</p> <p>1. ఇందుమూలంగా డి.ఎస్.ఎస్.పి.డి.సి.ఎల్ పరిధిలోని యావచ్చుందికి తెలియజేయునది ఏమనగా ప్రభుత్వ యాజమాన్యంలోని డిస్ట్రిబ్యూషన్ మరియు రిటైల్ సరఫరా లైసెన్స్ నెం. 14/2000 తేది: 29.12.2000 కలిగి ఉన్న ఉత్తర తెలంగాణ విద్యుత్ పంపిణీ సంస్థ (డి.ఎస్.ఎస్.పి.డి.సి.ఎల్), 5వ నియంత్రణ కాలం (ఆర్థిక సంవత్సరం 2024-25 నుండి ఆర్థిక సంవత్సరం 2028-29 వరకు) మరియు 6వ నియంత్రణ కాలం (ఆర్థిక సంవత్సరం 2029-30 నుండి ఆర్థిక సంవత్సరం 2033-34 వరకు) వనరుల ప్రణాళిక ప్రతిపాదనల దరఖాస్తులను ఆమోదం కొరకు గౌరవనీయ TSERC కి సమర్పించడమైనది. ఈ ప్రతిపాదనలు గౌరవనీయులైన కమీషన్ వారిచే ఓ.పి.నెం. 7/2023 గా ఆమోదం కోసం సమారు చేయడమైనది.</p> <p>2. పైన పేరాలో పేర్కొన్న ఫైరింగ్ ప్రతులు రీఫ్ ఇనరల్ మేనేజర్ (ఐ.పి.సి & ఆర్.పి.సి) పంపిణీ సంస్థ ప్రధాన కార్యాలయం, హనుమకొండ డి.ఎస్.ఎస్.పి.డి.సి.ఎల్, ఇ.నెం. 2-5-31/2, విద్యుత్ భవన్, నక్కలగుట్ట, హనుమకొండ-506001 కార్యాలయం వద్ద లభ్యమవుతాయి. ఆసక్తిగల వారు ఈ ఫైరింగ్ ప్రతులను పైన పేర్కొన్న కార్యాలయం వద్ద వేరేకట్టి ఉచితంగా పరిశీలించవచ్చు. ఈ ప్రతిపాదనలు డిస్ట్రిబ్యూషన్ కంపెనీ వారి వెబ్సైట్ www.tsnpdcl.in లో మరియు www.tserc.gov.in లో లింక్ ద్వారా పొందవచ్చును. ఈ దాఖలాల ప్రతులను 18.05.2023 నుండి పై కార్యాలయాల నుండి ఫోటో కాపీ ద్వారా చెల్లింపుపై పొందవచ్చు.</p> <p>3. ఫైరింగ్ పై ఏదైనా అభ్యంతరాలు/సూచనలు ఉంటే, సపోర్టింగ్ మెటీరియల్తో పాటు రీఫ్ ఇనరల్ మేనేజర్ (ఐ.పి.సి & ఆర్.పి.సి) పంపిణీ సంస్థ ప్రధాన కార్యాలయం, హనుమకొండకు (TSNPDCL ఇంటి నెం. 2-5-31/2, విద్యుత్ భవన్, నక్కలగుట్ట, హనుమకొండ-506001) వ్యక్తిగతంగా లేదా రిజిస్టర్డ్ పోస్ట్ ద్వారా 15.06.2023 సాయంత్రం 5 గంటల లోపు పంపగలరు. దాని కాపీని పైన పేర్కొన్న దిరునామాలో కమీషన్ సెక్రటరీ, TSERC వారికి కూడా సమర్పించాలి. అభ్యంతరాలు/సూచనలు నివేదించు వారి సంకేతము(లు) మరియు పూర్తి పేరు, పోస్టల్ దిరునామా, ఇ-మెయిల్ అది మరియు సంప్రదింపు నెంబర్ పొందుపర్చగలరు. ఏదైనా సంస్థ లేదా వినయోగదారుల వర్గం తరఫున అభ్యంతరాలు/సూచనలు దాఖలు చేయబడితే, అది స్పష్టంగా పేర్కొనవలెను. అభ్యంతరదారు(లు) వ్యక్తిగతంగా వినివించాలనుకుంటే ప్రత్యేకంగా పేర్కొనవలెను.</p> <p>4. అభ్యంతరాలు/ సూచనలను ఈ క్రింద పట్టికలో పొందుపర్చి జతపర్చవలెను.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 25%;">అభ్యంతరదారు పేరు మరియు పూర్తి దిరునామాలో పాటు, ఇ-మెయిల్ అది మరియు సంప్రదింపు నంబర్</td> <td style="width: 25%;">డి.ఎస్.ఎస్.పి.డి.సి.ఎల్ యొక్క ప్రతిపాదనల మీద అభ్యంతరాలు/ సూచన(లు) యొక్క సంక్షిప్త వివరాలు</td> <td style="width: 25%;">డి.ఎస్.ఎస్.పి.డి.సి.ఎల్ కార్పొరేట్ కార్యాలయమునకు అభ్యంతర ప్రతిపాదన వివరాలు (అవును/కాదు)</td> <td style="width: 25%;">అభ్యంతరదారు వ్యక్తిగతంగా వినివించవలయు కున్నారా (అవును/లేదు)</td> </tr> </table>	అభ్యంతరదారు పేరు మరియు పూర్తి దిరునామాలో పాటు, ఇ-మెయిల్ అది మరియు సంప్రదింపు నంబర్	డి.ఎస్.ఎస్.పి.డి.సి.ఎల్ యొక్క ప్రతిపాదనల మీద అభ్యంతరాలు/ సూచన(లు) యొక్క సంక్షిప్త వివరాలు	డి.ఎస్.ఎస్.పి.డి.సి.ఎల్ కార్పొరేట్ కార్యాలయమునకు అభ్యంతర ప్రతిపాదన వివరాలు (అవును/కాదు)	అభ్యంతరదారు వ్యక్తిగతంగా వినివించవలయు కున్నారా (అవును/లేదు)
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<p>5. ఇంకా ఈ విషయంలో తెలంగాణ రాష్ట్ర విద్యుత్ నియంత్రణ మండలి వారు తేది: 04.07.2023 న ఉం 11.00 గంటల నుండి TSERC కోర్ట్ హాల్, సింగరేణి భవన్, లక్ష్మీ-కా-ఫూల్, హైదరాబాద్ నందు బహిరంగ విచారణను ప్రత్యక్షంగా నిర్వహించాలని భావిస్తోంది.</p> <p>స్థలం: హైదరాబాద్ తేది: 18.05.2023</p> <p style="text-align: right;">సం/- చైర్మన్ మరియు మేనేజింగ్ చైర్మన్ దక్షిణ తెలంగాణ విద్యుత్ పంపిణీ సంస్థ DIPR Ro No. 1823-PP/CL/ADVT/1/2023-24, Dt: 17.05.2023</p>	<p>5. ఇంకా ఈ విషయంలో తెలంగాణ రాష్ట్ర విద్యుత్ నియంత్రణ మండలి వారు తేది: 04.07.2023 న ఉం 11.00 గంటల నుండి TSERC కోర్ట్ హాల్, సింగరేణి భవన్, లక్ష్మీ-కా-ఫూల్, హైదరాబాద్ నందు బహిరంగ విచారణను ప్రత్యక్షంగా నిర్వహించాలని భావిస్తోంది.</p> <p>స్థలం: హనుమకొండ తేది: 18.05.2023</p> <p style="text-align: right;">సం/- చైర్మన్ మరియు మేనేజింగ్ చైర్మన్ ఉత్తర తెలంగాణ విద్యుత్ పంపిణీ సంస్థ</p>								

BEFORE THE HONOURABLE TELANGANA STATE ELECTRICITY REGULATORY COMMISSION D.No.11-4-660, 5 th Floor, Singareni Bhavan, Red Hills, Hyderabad 500 004			
 SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED (TSSPDCL)	 NORTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED (TSNPDCL)		
PUBLIC NOTICE		PUBLIC NOTICE	
<p>1. Notice is hereby given to all that the Distribution Company viz. Southern Power Distribution Company of Telangana Ltd. (TSSPDCL) holding Distribution and Retail Supply License No.13 of 2000 as on 29.12.2000, filed petition before the Telangana State Electricity Regulatory Commission (TSERC) for approval of Resource Plan (Sales Forecast, Load Forecast, Power Procurement Plan & Capital Investment Plan) for 5th Control Period (FY2024-25 to FY2028-29) & 6th Control Period (FY2029-30 to FY2033-34). These filings have been taken on record by the Hon'ble Commission in O.P. No.8 of 2023.</p> <p>2. Copies of the filings referred are available in the office of Chief General Manager (RAC), TSSPDCL, Corporate Office, First floor, Mint Compound, Hyderabad-500063. Interested persons may inspect/peruse the said filings and take note thereof during office hours in the above said office at free of cost. These proposals are also available on www.tssouthernpower.com in downloadable form and the same may be accessed at www.tserc.gov.in. A copy of these filings can be obtained from the above office from 18.05.2023 onwards on payment of charges for photocopying.</p> <p>3. Objections/Suggestions, if any, on the filings, together with supporting material may be sent to the Chief General Manager (RAC), TSSPDCL, Corporate Office, First floor, Mint Compound, Hyderabad-500063 in person or through Registered Post so as to reach on or before 15.06.2023 by 5 PM. A copy of the same must also be filed with the Commission Secretary, TSERC, at the address mentioned above. The Objections/Suggestions should be duly signed and should carry full name, postal address, e-mail id and contact number of the person(s)/ stakeholders sending the Objections/Suggestions. If the Objections/Suggestions are filed on behalf of any organization or any category of consumers, it should be clearly mentioned. If the objector also wants to be heard in person it may also be specifically mentioned.</p> <p>4. The Objection/Suggestion should accompany the following statement.</p>		<p>1. Notice is hereby given to all that the Distribution Company viz. Northern Power Distribution Company of Telangana Ltd. (TSNPDCL) holding Distribution and Retail Supply License No.14 of 2000 as on 29.12.2000, filed petition before the Telangana State Electricity Regulatory Commission (TSERC) for approval of Resource Plan (Sales Forecast, Load Forecast, Power Procurement Plan & Capital Investment Plan) for 5th Control Period (FY2024-25 to FY2028-29) & 6th Control Period (FY2029-30 to FY2033-34). These filings have been taken on record by the Hon'ble Commission in O.P. No.7 of 2023.</p> <p>2. Copies of the filings referred are available in the office of Chief General Manager (IPC & RAC), TSNPDCL, H.No.2-5-31/2, Corporate Office, Vidyuth Bhavan, Nakkalagutta, Hanumakonda-506001. Interested persons may inspect/peruse the said filings and take note thereof during office hours in the above said office at free of cost. These proposals are also available on www.tsnpdcl.in in downloadable form and the same may be accessed at www.tserc.gov.in. A copy of these filings can be obtained from the above office from 18.05.2023 onwards on payment of charges for photocopying.</p> <p>3. Objections/Suggestions, if any, on the filings, together with supporting material may be sent to the Chief General Manager (IPC&RAC), TSNPDCL, H.No.2-5-31/2, Corporate Office, Vidyuth Bhavan, Nakkalagutta, Hanumakonda-506001 in person or through Registered Post so as to reach on or before 15.06.2023 by 5 PM. A copy of the same must also be filed with the Commission Secretary, TSERC, at the address mentioned above. The Objections/Suggestions should be duly signed and should carry full name, postal address, e-mail id and contact number of the person(s)/ stakeholders sending the objections/suggestions. If the objections/suggestions are filed on behalf of any organization or any category of consumers, it should be clearly mentioned. If the objector also wants to be heard in person it may also be specifically mentioned.</p> <p>4. The Objection/Suggestion should accompany the following statement.</p>	
Name & full address of the Objector along with e-mail id and contact number	Brief details of Objection(s)/ Suggestion(s) on the proposals of TSSPDCL	Whether copy of objection(s)/suggestion(s) & proof of delivery at Licensee's office enclosed (Yes/No)	Whether Objector wants to be heard in person (Yes/No)
Name & full address of the Objector along with e-mail id and contact number	Brief details of Objection(s)/ Suggestion(s) on the proposals of TSNPDCL	Whether copy of objection(s)/suggestion(s) & proof of delivery at Licensee's office enclosed (Yes/No)	Whether Objector wants to be heard in person (Yes/No)
<p>5. Further, in this matter the Telangana State Electricity Regulatory Commission intends to conduct a Public Hearing on 04.07.2023 at Court Hall of TSERC, Singareni Bhavan, Lakdi-Ka-Pul, Hyderabad from 11.00 hrs onwards.</p>		<p>5. Further, in this matter the Telangana State Electricity Regulatory Commission intends to conduct a Public Hearing on 04.07.2023 at Court Hall of TSERC, Singareni Bhavan, Lakdi-Ka-Pul, Hyderabad from 11.00 hrs onwards.</p>	
Place: Hyderabad Date: 18.05.2023 Sd/-CHAIRMAN & MANAGING DIRECTOR Southern Power Distribution Company of Telangana Limited		Place: Hanumakonda Date: 18.05.2023 Sd/-CHAIRMAN & MANAGING DIRECTOR Northern Power Distribution Company of Telangana Limited	
R.O.No.:182-PP/CL-AGENCY/ADVT/1/2023-24 Date: 17-05-2023 SAVE ENERGY			

Annexure - III: List of Stakeholders who has submitted written suggestions/objections

Sl. No.	Name and/or Organisation of Stakeholder
1	M. Venugopala Rao, Senior Journalist & Convenor, Centre for Power Studies, H.No.1-100/MP/101, Monarch Prestige, Journalists' Colony, Gopanpally, Serlingampally Mandal, Hyderabad
2	Sreekumar Nhalur and Maria Chirayali, Prayas (Energy Group), Unit III A and B, Devgiri, Joshi Museum Lane, Kothrud Industrial Area, 2 Kothrud, Pune - 411 038, India
3	The Federation of Telangana Chamber of Commerce and Industry, Federation House, Federation Marg, 11-6-841, Red Hills, Hyderabad

**Annexure - IV: List of Stakeholders who participated the Public
Hearing held on 18.10.2023**

Sl. No.	Name and/or Organisation of Stakeholder
1	M. Venugopala Rao, Senior Journalist & Convenor, Centre for Power Studies, H.No.1-100/MP/101, Monarch Prestige, Journalists' Colony, Gopanpally, Serlingampally Mandal, Hyderabad
2	Sreekumar Nhalur and Maria Chirayali, Prayas (Energy Group), Unit III A and B, Devgiri, Joshi Museum Lane, Kothrud Industrial Area, 2 Kothrud, Pune - 411 038, India
3	The Federation of Telangana Chamber of Commerce and Industry, Federation House, Federation Marg, 11-6-841, Red Hills, Hyderabad

Category		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
HT Category at 33 kV		635.93	621.45	643.43	607.99	615.11	645.80	741.20	677.66	689.84	694.68	707.94	697.66	7978.68
HT-I	Industry Segregated	463.36	443.66	456.96	436.79	437.34	454.42	578.62	528.57	535.37	538.78	555.46	546.11	5975.45
HT-I(B)	Ferro Alloys	3.47	3.08	3.05	3.23	3.17	3.35	4.34	4.52	4.08	4.01	4.36	4.32	44.97
HT-II	Others	122.64	131.41	141.01	126.79	132.39	141.35	114.49	111.55	109.14	105.41	102.70	104.20	1443.08
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	27.96	25.35	24.06	25.68	25.90	28.73	27.65	17.81	25.92	31.80	31.15	28.61	320.61
HT-VI	Townships and Residential Colonies	15.10	15.71	15.85	12.47	13.00	13.90	11.52	10.85	10.48	10.20	10.15	10.89	150.13
HT	Temporary Supply	3.41	2.23	2.51	3.04	3.31	4.04	4.58	4.35	4.84	4.49	4.13	3.53	44.45
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		714.62	692.80	689.81	683.32	669.65	696.26	709.17	686.26	702.85	720.53	762.69	771.31	8499.28
HT-I	Industry Segregated	444.89	427.49	442.80	425.11	404.89	421.96	436.43	422.50	429.03	442.15	483.68	497.69	5278.62
HT-I(B)	Ferro Alloys	21.88	20.04	6.67	10.89	13.84	20.15	15.81	18.92	17.52	23.02	26.88	24.62	220.24
HT-II	Others	3.40	3.14	3.17	2.97	2.81	2.91	5.05	4.92	4.53	4.32	4.61	4.41	46.24
HT-III	Airports, Railways and Bus Stations	2.15	3.54	2.94	4.45	7.13	10.14	9.08	9.48	11.37	8.04	2.79	2.62	73.73
HT-IV	Lift Irrigation & Agriculture and CPWS	193.32	192.73	189.43	192.27	192.83	192.67	193.90	181.21	191.32	193.86	195.48	193.29	2302.31
HT-V	Railway Traction	48.98	45.87	44.80	47.62	48.16	48.43	48.91	49.23	49.08	49.14	49.25	48.67	578.14
HT-VI	Townships and Residential Colonies	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	Temporary Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Category		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		4961.16	4132.90	3963.49	4154.92	4606.28	4179.28	4299.72	3711.42	4274.58	4660.46	4720.38	5605.28	53269.86

Annexure – V(B): TSNPDCL-Allowable month wise sales for FY 2024-25(MU)

Category		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
LT Category		1470.87	900.45	805.31	821.49	1262.33	1179.33	1247.04	796.62	1146.15	1299.31	1399.78	1962.14	14290.83
Category I	Domestic	386.08	435.71	443.84	388.00	338.90	369.16	387.20	364.28	319.92	282.05	278.84	303.24	4297.22
Category II	Non-Domestic/Commercial	89.60	90.87	93.27	83.98	74.10	78.74	77.79	78.75	81.71	83.99	78.87	80.98	992.64
Category III	Industrial	23.28	23.06	23.91	19.44	16.67	18.68	18.26	18.46	22.26	28.72	26.33	22.23	261.31
Category IV	Cottage Industries & Dhobighats	0.82	0.29	0.23	0.64	0.90	0.51	0.43	0.33	0.86	1.22	1.09	1.73	9.05
Category V	Irrigation & Agriculture	932.03	312.67	208.41	297.03	800.22	677.42	727.93	294.74	679.86	861.84	976.32	1512.98	8281.45
Category VI	Local Bodies, Street Lighting & PWS	31.42	30.22	29.31	26.12	24.90	27.12	31.20	34.85	34.68	35.40	34.08	34.15	373.45
Category VII	General Purpose	6.62	6.54	5.03	5.10	5.48	6.41	3.56	4.54	6.27	5.31	3.50	5.98	64.33
Category VIII	Temporary Supply	1.02	1.10	1.31	1.17	1.17	1.28	0.65	0.68	0.59	0.78	0.75	0.84	11.35
Category IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
HT Category at 11 kV		301.36	184.93	203.49	185.12	212.07	250.37	206.11	201.47	226.28	271.78	296.15	279.23	2818.35
HT-I	Industry Segregated	91.62	83.50	101.19	75.72	86.76	94.59	94.53	118.62	121.01	120.80	119.49	98.02	1205.83
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II	Others	19.55	21.74	22.93	17.10	19.13	19.79	15.37	15.61	13.75	12.34	12.48	14.93	204.72

Category		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
LT Category		1470.87	900.45	805.31	821.49	1262.33	1179.33	1247.04	796.62	1146.15	1299.31	1399.78	1962.14	14290.83
HT-III	Airports, Railways and Bus Stations	0.73	0.71	0.72	0.65	0.67	0.69	0.70	0.75	0.73	0.73	0.71	0.68	8.47
HT-IV	Lift Irrigation & Agriculture and CPWS	34.21	9.67	7.12	13.34	12.36	17.48	13.36	13.29	11.81	21.44	30.49	33.53	218.11
HT-VI	Townships and Residential Colonies	1.19	0.45	0.43	0.72	0.87	0.63	0.52	0.43	0.67	1.12	1.01	1.13	9.17
HT	Temporary Supply	1.80	2.34	2.39	2.16	3.07	3.37	2.40	2.30	2.31	2.45	2.66	2.26	29.51
HT	RESCOs	152.26	66.52	68.72	75.42	89.21	113.82	79.23	50.47	76.00	112.91	129.30	128.69	1142.53
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 33 kV		68.34	49.06	45.11	39.50	65.62	60.20	61.36	53.86	47.37	55.02	50.47	61.42	657.33
HT-I	Industry Segregated	13.59	8.77	8.36	7.77	9.55	11.32	17.00	16.59	15.25	15.00	14.21	12.48	149.87
HT-I(B)	Ferro Alloys	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	20.87
HT-II	Others	1.25	0.46	0.03	0.08	0.53	0.30	0.28	0.22	0.31	0.72	0.97	1.13	6.29
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	48.84	35.43	32.15	27.66	51.66	44.43	38.86	32.32	27.44	34.93	31.69	44.19	449.60
HT-VI	Townships and Residential Colonies	2.32	2.60	2.78	2.22	2.11	2.37	2.94	2.40	2.10	2.10	1.28	1.45	26.67
HT	Temporary Supply	0.61	0.06	0.05	0.03	0.04	0.04	0.54	0.59	0.53	0.53	0.57	0.43	4.02
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		145.31	155.83	183.42	248.94	287.48	336.61	361.86	381.46	371.06	374.81	268.94	202.64	3318.34
HT-I	Industry Segregated	56.86	64.94	62.21	60.26	59.36	63.30	62.18	72.84	59.64	60.02	61.28	48.42	731.30

Category		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
LT Category		1470.87	900.45	805.31	821.49	1262.33	1179.33	1247.04	796.62	1146.15	1299.31	1399.78	1962.14	14290.83
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II	Others	0.30	0.27	0.09	0.47	1.44	0.76	1.00	1.06	0.94	0.92	0.49	0.23	7.98
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	22.88	21.54	52.51	127.88	162.80	207.43	240.14	249.06	255.50	253.36	147.14	95.15	1835.39
HT-V	Railway Traction	55.85	58.61	58.63	52.33	55.17	57.02	50.51	51.12	48.59	54.55	53.55	51.52	647.44
HT-VI	Townships and Residential Colonies	9.33	10.38	9.90	7.90	8.63	8.01	7.93	7.29	6.30	5.87	6.39	7.22	95.17
HT	Temporary Supply	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	1.06
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1985.86	1290.27	1237.34	1295.05	1827.50	1826.51	1876.37	1433.41	1790.86	2000.93	2015.34	2505.42	21084.85

Annexure – V(C): TSDISCOMs-Allowable month wise sales for FY 2024-25(MU)

Category		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
LT Category		4473.73	3162.45	2868.83	3142.46	4021.62	3447.14	3495.18	2509.48	3397.70	3913.61	4006.08	5472.32	43910.59
Category I	Domestic	1549.89	1603.02	1447.87	1292.57	1275.02	1243.30	1292.34	1154.34	1074.98	1043.47	1050.80	1378.94	15406.55
Category II	Non-Domestic/Commercial	398.97	367.77	372.28	353.64	358.35	362.97	381.42	371.78	361.79	357.71	369.29	347.46	4403.42
Category III	Industrial	108.35	102.55	106.35	101.48	99.24	94.52	99.94	107.21	122.20	120.03	114.78	113.36	1290.02
Category IV	Cottage Industries & Dhobighats	1.76	1.15	1.11	1.49	1.74	1.35	1.35	1.20	1.79	2.03	1.89	2.70	19.56
Category V	Irrigation & Agriculture	2314.39	993.25	851.53	1307.82	2200.27	1656.17	1627.46	778.19	1736.51	2292.22	2372.70	3521.21	21651.72
Category VI	Local Bodies, Street Lighting & PWS	73.25	70.24	67.14	63.01	63.16	64.55	73.31	76.26	77.48	77.21	74.32	79.05	858.97

Category		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
LT Category		4473.73	3162.45	2868.83	3142.46	4021.62	3447.14	3495.18	2509.48	3397.70	3913.61	4006.08	5472.32	43910.59
Category VII	General Purpose	15.99	13.86	12.03	12.40	13.38	13.68	10.79	12.30	14.01	11.70	12.57	17.86	160.57
Category VIII	Temporary Supply	11.00	10.47	10.38	9.90	10.30	10.45	8.44	8.01	8.75	9.01	9.45	11.41	117.56
Category IX	Electric Vehicle Charging Stations	0.13	0.13	0.14	0.14	0.17	0.17	0.14	0.19	0.19	0.23	0.28	0.32	2.23
HT Category at 11 kV		909.10	741.59	770.22	727.76	774.30	819.79	807.32	836.11	856.63	902.74	939.60	905.35	9990.49
HT-I	Industry Segregated	465.24	421.90	453.92	419.31	440.92	448.93	455.89	514.05	525.26	529.24	534.53	487.79	5696.97
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41
HT-II	Others	197.81	189.49	186.51	170.79	177.64	181.94	201.32	204.10	189.41	178.41	184.27	195.78	2257.47
HT-III	Airports, Railways and Bus Stations	1.26	0.85	0.81	0.76	0.99	1.13	1.11	1.29	1.04	1.45	1.53	1.52	13.73
HT-IV	Lift Irrigation & Agriculture and CPWS	54.08	24.82	21.86	28.49	29.14	36.37	32.78	30.78	30.02	43.73	53.39	56.17	441.63
HT-VI	Townships and Residential Colonies	22.49	22.08	21.58	18.23	19.01	19.14	17.98	18.11	17.56	18.60	18.67	18.37	231.80
HT	Temporary Supply	15.45	15.43	16.29	14.28	16.53	17.98	17.52	16.84	16.86	17.95	17.49	16.61	199.23
HT	RESCOs	152.26	66.52	68.72	75.42	89.21	113.82	79.23	50.47	76.00	112.91	129.30	128.69	1142.53
HT-IX	Electric Vehicle Charging Stations	0.51	0.50	0.53	0.47	0.46	0.49	1.50	0.47	0.48	0.45	0.42	0.43	6.70
HT Category at 33 kV		704.27	670.51	688.54	647.49	680.73	705.99	802.56	731.52	737.21	749.70	758.41	759.08	8636.02
HT-I	Industry Segregated	476.95	452.43	465.32	444.55	446.88	465.74	595.62	545.16	550.62	553.78	569.67	558.59	6125.32
HT-I(B)	Ferro Alloys	5.21	4.82	4.79	4.97	4.91	5.09	6.08	6.25	5.82	5.75	6.10	6.06	65.84
HT-II	Others	123.89	131.87	141.04	126.87	132.92	141.65	114.78	111.77	109.44	106.13	103.67	105.33	1449.37
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	76.79	60.78	56.21	53.33	77.56	73.17	66.51	50.13	53.36	66.73	62.84	72.80	770.21

Category		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
LT Category		4473.73	3162.45	2868.83	3142.46	4021.62	3447.14	3495.18	2509.48	3397.70	3913.61	4006.08	5472.32	43910.59
HT-VI	Townships and Residential Colonies	17.42	18.31	18.63	14.69	15.11	16.27	14.46	13.25	12.58	12.30	11.44	12.34	176.80
HT	Temporary Supply	4.01	2.29	2.56	3.07	3.35	4.08	5.12	4.94	5.38	5.02	4.70	3.96	48.47
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		859.93	848.62	873.23	932.26	957.13	1032.87	1071.03	1067.72	1073.91	1095.34	1031.63	973.95	11817.62
HT-I	Industry Segregated	501.75	492.42	505.01	485.37	464.25	485.26	498.60	495.34	488.67	502.17	544.96	546.11	6009.92
HT-I(B)	Ferro Alloys	21.88	20.04	6.67	10.89	13.84	20.15	15.81	18.92	17.52	23.02	26.88	24.62	220.24
HT-II	Others	3.70	3.42	3.26	3.44	4.24	3.67	6.05	5.98	5.47	5.25	5.10	4.65	54.22
HT-III	Airports, Railways and Bus Stations	2.15	3.54	2.94	4.45	7.13	10.14	9.08	9.48	11.37	8.04	2.79	2.62	73.73
HT-IV	Lift Irrigation & Agriculture and CPWS	216.20	214.26	241.94	320.15	355.62	400.10	434.05	430.27	446.82	447.22	342.62	288.45	4137.71
HT-V	Railway Traction	104.83	104.48	103.42	99.96	103.33	105.44	99.42	100.35	97.67	103.69	102.79	100.19	1225.58
HT-VI	Townships and Residential Colonies	9.33	10.38	9.90	7.90	8.63	8.01	7.93	7.29	6.30	5.87	6.39	7.22	95.17
HT	Temporary Supply	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	1.06
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		6947.02	5423.17	5200.83	5449.97	6433.78	6005.79	6176.09	5144.83	6065.44	6661.39	6735.71	8110.70	74354.72

Annexure – V(D): Energy Availability for TSDISCOMs for FY 2024-25(MU)

Sl. No.	Name of the Station	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
A	TSGenco-Thermal													
1	KTPS-V	270.58	279.60	270.58	229.94	181.01	263.24	279.60	270.58	279.60	279.60	257.14	279.60	3141.08

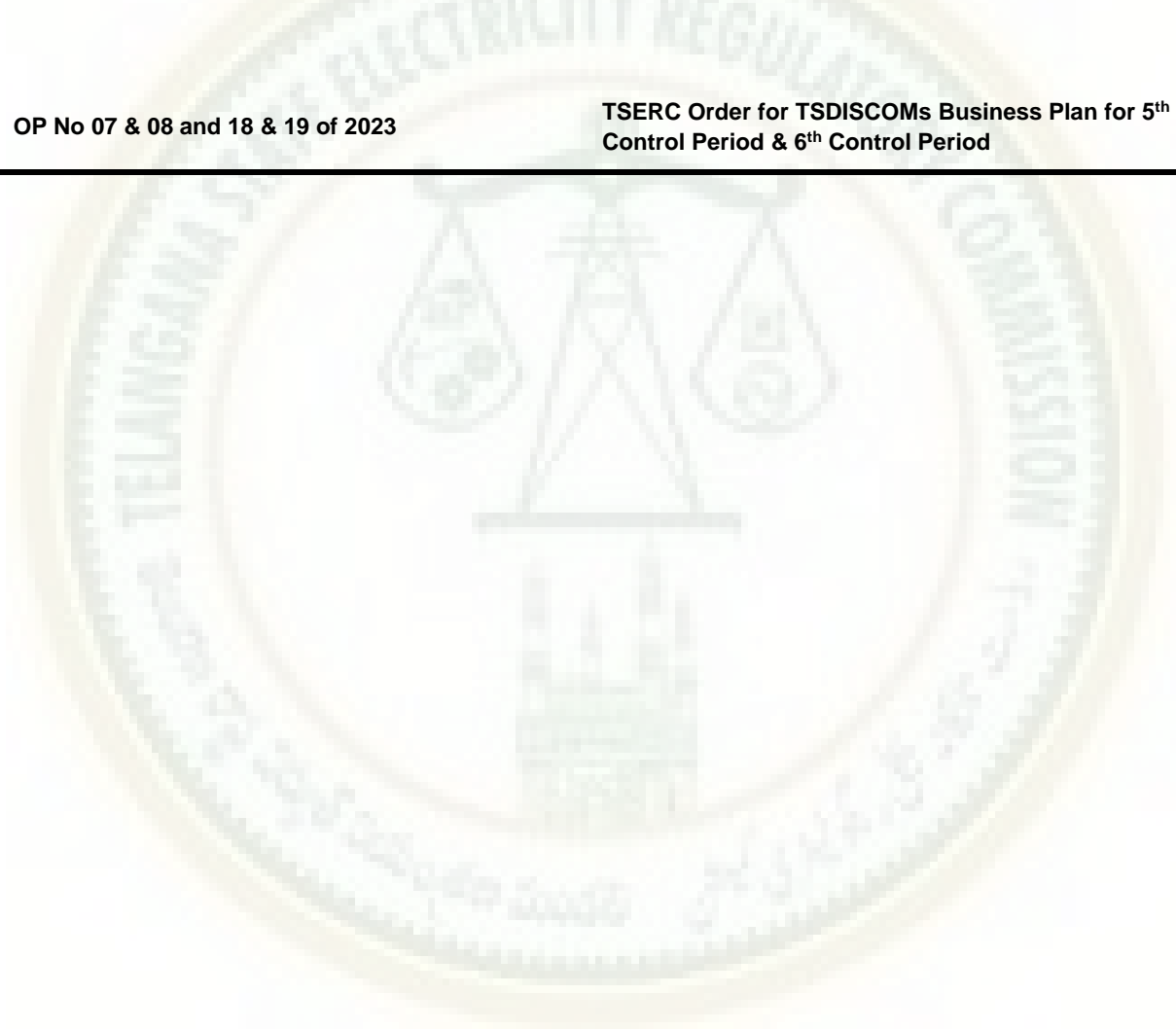
Sl. No.	Name of the Station	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
2	KTPS-VI	265.26	274.10	265.26	274.10	274.10	265.26	274.10	265.26	224.17	233.25	252.11	274.10	3141.08
3	KTPS-VII	339.51	350.82	339.51	350.82	350.82	339.51	350.82	339.51	350.82	350.82	322.52	350.82	4136.30
4	RTS-B	24.66	25.48	24.66	25.48	25.48	24.66	25.48	18.56	16.77	25.48	23.43	25.48	285.63
5	KTPP-I	251.75	260.15	251.75	260.15	260.15	251.75	260.15	251.75	260.15	260.15	239.16	260.15	3067.21
6	KTPP-II	323.25	334.03	151.26	248.03	334.03	323.25	334.03	323.25	334.03	334.03	307.44	334.03	3680.65
7	BTPS	618.04	638.64	618.04	543.29	628.07	618.04	638.64	618.04	585.59	585.76	587.13	638.64	7317.93
8	YTPS	900.86	930.89	900.86	930.89	930.89	900.86	1396.34	1801.73	1861.79	1861.79	2102.02	2327.23	16846.16
	Sub-total	2993.91	3093.72	2821.92	2862.71	2984.56	2986.57	3559.17	3888.68	3912.91	3930.88	4090.94	4490.06	41616.03
B	TSGenco-Inter State													
1	PJHES	-0.05	-0.06	15.41	16.32	52.11	59.83	52.46	25.03	9.47	11.26	-0.06	-0.06	241.67
	Sub-total	-0.05	-0.06	15.41	16.32	52.11	59.83	52.46	25.03	9.47	11.26	-0.06	-0.06	241.67
C	TSGenco-Hydel													
1	Nagarjuna Sagar complex	24.58	17.65	25.60	91.17	183.39	177.85	194.34	121.80	60.65	54.61	39.40	33.71	1024.75
2	SLBHES	23.28	9.90	21.00	109.84	248.98	243.00	235.82	77.00	41.92	58.09	43.38	11.73	1123.94
3	LJHES	0.00	-0.07	9.13	24.86	48.25	67.12	54.90	23.33	9.52	5.84	-0.04	0.07	242.90
4	PCHES	11.05	1.06	0.13	12.37	39.79	46.55	48.23	38.39	17.18	12.78	14.49	13.59	255.60
5	Pochampad II	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Small Hydel (Singur, Nizam, Pochampad I, Palliar)	5.27	-0.03	0.26	5.50	12.18	19.71	21.80	6.73	4.99	10.14	9.60	11.49	107.63
7	Mini Hydel (Peddapalli)	0.26	-0.01	-0.01	-0.01	0.20	0.34	0.33	0.10	0.00	0.36	0.35	0.51	2.42
	Sub-total	64.44	28.50	56.11	243.71	532.79	554.56	555.41	267.36	134.26	141.81	107.18	71.10	2757.24
	Total TSGenco	3058.30	3122.16	2893.44	3122.74	3569.45	3600.97	4167.05	4181.07	4056.65	4083.95	4198.06	4561.11	44614.94
A	CGS-Thermal													
1	NTPC Ramagundam Stage I & II	182.80	188.89	188.15	198.66	198.66	168.60	189.04	179.83	155.58	198.66	178.01	194.01	2220.90
2	NTPC Ramagundam Stage III	44.96	46.46	44.96	46.46	46.46	44.96	46.46	44.96	46.46	27.18	37.86	46.46	523.67
3	NTPC Talcher TPS II	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	NTPC Simhadri Stage I	245.50	253.66	212.14	224.54	253.66	245.50	253.66	202.41	224.93	253.66	229.18	253.66	2852.52
5	NTPC Simhadri Stage II	116.57	120.44	85.14	92.97	120.44	116.57	120.44	116.57	120.44	120.44	108.82	120.44	1359.30

Sl. No.	Name of the Station	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
6	NTPC Kudgi	70.21	72.55	58.47	72.14	48.37	57.74	72.55	70.21	72.55	72.55	65.53	72.55	805.42
7	NLC TPS II Stage I	2.58	2.67	2.45	1.88	2.23	1.78	2.55	2.13	2.61	2.66	2.45	2.68	28.69
8	NLC TPS II Stage II	3.57	3.54	2.90	3.67	3.28	3.57	2.88	3.10	2.75	3.20	3.39	3.69	39.54
9	NNTPP	34.71	35.96	27.72	35.57	35.57	34.38	27.15	24.73	20.44	31.29	33.02	35.75	376.28
10	Neyveli new Unit-1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Neyveli new Unit-2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	TSTPP Unit 1	141.68	146.40	141.68	292.80	292.80	283.35	637.80	617.23	637.80	982.81	897.14	982.81	6054.29
13	NTECL Vallur TPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	NLC Tamil Nadu Power Ltd.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sub-total	842.58	870.58	763.61	968.71	1001.47	956.45	1352.53	1261.17	1283.58	1692.46	1555.41	1712.05	14260.61
B	CGS-Nuclear													
1	NPC Madras APS	5.95	6.22	5.95	2.33	5.07	5.95	6.22	5.95	6.22	6.22	5.65	6.22	67.95
2	NPC Kaiga APS Units 1 & 2	37.32	43.32	41.76	43.32	43.32	31.14	39.75	41.76	43.32	43.32	39.75	43.32	491.43
3	NPC Kaiga APS Units 3 & 4	35.47	47.19	45.49	47.19	47.19	45.49	47.19	45.49	37.01	39.71	43.26	42.06	522.72
4	NPC Kudankulam	16.20	16.75	16.20	16.75	16.75	16.20	16.75	16.20	12.31	8.15	0.14	8.60	161.02
5	NPC Kudankulam NPP Unit 2	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	161.02
	Sub-total	108.37	126.90	122.82	123.01	125.74	112.20	123.33	122.82	112.28	110.83	102.22	113.62	1404.15
C	Bundled Power (Coal)													
1	JNNSM Phase 1	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	45.43
2	NTPC	66.09	68.29	66.09	68.29	68.29	66.09	68.29	66.09	68.29	68.29	62.74	68.29	805.11
	Sub-total	69.87	72.08	69.87	72.08	72.08	69.87	72.08	69.87	72.08	72.08	66.53	72.08	850.55
	Total CGS	1020.82	1069.56	956.31	1163.79	1199.29	1138.53	1547.94	1453.87	1467.94	1875.36	1724.16	1897.74	16515.31
A	Others													
1	SEIL (LT 1)	165.21	170.72	165.21	170.72	170.72	165.21	170.72	130.12	153.17	170.72	154.20	170.72	1957.46
2	SEIL (LT 2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	STPP	775.57	801.43	775.57	801.43	400.72	464.98	801.43	775.57	801.43	801.43	738.34	801.43	8739.33
4	CSPDCL	527.01	544.58	527.01	544.58	544.58	527.01	544.58	527.01	544.58	544.58	500.65	544.58	6420.74
5	PTC (MT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Sl. No.	Name of the Station	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
	Total Others	1467.80	1516.73	1467.80	1516.73	1116.02	1157.20	1516.73	1432.70	1499.18	1516.73	1393.19	1516.73	17117.54
C	NCE													
1	Biomass	3.64	2.36	1.56	2.76	1.50	1.33	4.53	3.89	3.30	4.55	5.04	3.80	38.26
2	Bagasse	0.00	0.00	0.00	0.00	0.00	0.00	12.97	15.70	80.58	86.55	70.22	30.96	296.98
3	Municipal waste	34.29	34.22	34.24	34.21	28.54	34.25	34.17	34.26	26.22	34.75	32.78	31.03	392.94
4	Industrial waste	9.39	13.18	15.34	14.66	12.69	13.22	7.46	2.57	3.86	7.98	10.25	10.57	121.17
5	Wind	19.11	19.69	30.70	33.82	30.91	23.01	12.17	24.36	24.13	20.01	22.55	17.03	277.52
6	Mini Hydel	0.00	0.00	0.00	0.92	1.51	1.87	3.52	2.06	0.73	0.66	0.43	0.00	11.71
7	Solar	599.72	566.24	550.46	413.87	433.70	468.56	475.82	506.31	503.44	516.98	618.97	568.06	6222.13
8	Solar (JNNSM Phase I)	713.86	618.02	524.53	324.40	322.12	386.86	410.09	255.89	329.52	538.07	697.49	867.18	5988.04
9	Solar (NTPC)	102.73	100.30	92.92	70.12	83.91	83.92	84.77	82.15	92.28	92.46	104.51	103.85	1093.91
10	Solar (SECI)	171.98	177.72	267.75	276.68	276.68	267.75	276.68	267.75	276.68	276.68	249.92	276.68	3062.93
11	Solar (NTPC, NHPC CPSU) Tr-III 1545 MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Solar (PM KUSUM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Solar (NTPC CPSU)Tr-I & II 1692 MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Solar (SECI ISTS-IX)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total NCE	1654.72	1531.74	1517.50	1171.44	1191.56	1280.76	1322.17	1194.94	1340.73	1578.69	1812.17	1909.16	17505.58
	Grand total	7201.64	7240.18	6835.05	6974.70	7076.32	7177.45	8553.88	8262.58	8364.50	9054.74	9127.58	9884.74	95753.36

Annexure – V(E): Energy Balance for TSDISCOMs for FY 2024-25(MU)

Particular	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
Total Energy Requirement at State Periphery TSNPDCL	2203.44	1835.58	1760.34	1845.36	2045.82	1856.18	1909.67	1648.38	1898.50	2069.89	2096.50	2489.52	23659.17
Total Energy Requirement at State Periphery TSSPDCL	5594.40	3634.83	3485.72	3648.29	5148.28	5145.48	5285.94	4038.07	5045.06	5636.85	5677.43	7058.05	59398.42
Total Energy Requirement	7797.84	5470.41	5246.05	5493.65	7194.10	7001.66	7195.61	5686.45	6943.57	7706.74	7773.93	9547.57	83057.59
Energy Availability for TS DISCOM for FY 24-25	7201.64	7240.18	6835.05	6974.70	7076.32	7177.45	8553.88	8262.58	8364.50	9054.74	9127.58	9884.74	95753.36
Energy Surplus/(Deficit)	(596.20)	1769.77	1588.99	1481.05	(117.78)	175.79	1358.27	2576.12	1420.93	1348.00	1353.65	337.17	12695.77



Annexure – VI(A): TSSPDCL-Allowable month wise sales for FY 2025-26(MU)

Category		Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Total
LT Category		3160.21	2382.29	2172.89	2442.57	2903.01	2386.58	2366.04	1803.23	2368.55	2749.50	2741.26	3692.10	31168.22
Category I	Domestic	1229.62	1233.31	1060.80	955.72	989.05	923.56	956.31	834.74	797.76	804.47	815.61	1136.52	11737.46
Category II	Non-Domestic/Commercial	325.72	291.54	293.76	283.91	299.27	299.25	319.67	308.52	294.89	288.19	305.77	280.57	3591.04
Category III	Industrial	89.32	83.46	86.57	86.15	86.70	79.63	85.77	93.19	104.94	95.87	92.87	95.69	1080.14
Category IV	Cottage Industries & Dhobighats	0.98	0.91	0.92	0.89	0.88	0.87	0.96	0.92	0.98	0.86	0.84	1.01	11.03
Category V	Irrigation & Agriculture	1451.48	714.62	675.27	1061.33	1470.05	1027.68	944.50	507.63	1109.48	1501.89	1466.21	2108.64	14038.78
Category VI	Local Bodies, Street Lighting & PWS	42.67	40.82	38.59	37.63	39.03	38.18	42.95	42.23	43.66	42.65	41.04	45.80	495.23
Category VII	General Purpose	9.80	7.65	7.32	7.63	8.26	7.59	7.56	8.11	8.09	6.69	9.48	12.42	100.61
Category VIII	Temporary Supply	10.48	9.84	9.52	9.17	9.59	9.62	8.17	7.69	8.56	8.64	9.13	11.10	111.52
Category IX	Electric Vehicle Charging Stations	0.14	0.15	0.15	0.15	0.18	0.18	0.16	0.20	0.21	0.25	0.30	0.34	2.42
HT Category at 11 kV		633.00	579.75	590.10	564.85	585.32	592.99	626.10	660.52	655.96	656.86	669.87	651.98	7467.31
HT-I	Industry Segregated	386.46	350.04	364.86	355.41	366.34	366.53	373.79	409.03	418.15	422.49	429.31	403.18	4645.58
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41
HT-II	Others	185.77	174.81	170.47	160.16	165.18	168.97	193.78	196.43	183.06	173.06	179.02	188.46	2139.18
HT-III	Airports, Railways and Bus Stations	0.58	0.15	0.10	0.12	0.35	0.48	0.45	0.59	0.34	0.79	0.90	0.93	5.79
HT-IV	Lift Irrigation & Agriculture and CPWS	21.86	16.66	16.22	16.67	18.46	20.78	21.36	19.24	20.03	24.52	25.18	24.90	245.88
HT-VI	Townships and Residential Colonies	23.44	23.79	23.27	19.26	19.94	20.36	19.20	19.44	18.57	19.24	19.43	18.96	244.89
HT	Temporary Supply	14.34	13.74	14.60	12.73	14.13	15.34	15.87	15.26	15.29	16.27	15.57	15.06	178.20
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.56	0.55	0.59	0.52	0.50	0.54	1.65	0.52	0.52	0.49	0.46	0.48	7.37

Category		Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Total
HT Category at 33 kV		672.03	657.31	680.69	642.86	650.64	683.34	781.07	714.07	727.08	732.25	745.87	735.13	8422.32
HT-I	Industry Segregated	482.95	462.42	476.27	455.25	455.82	473.63	603.08	550.92	558.00	561.55	578.94	569.20	6228.04
HT-I(B)	Ferro Alloys	3.54	3.14	3.11	3.29	3.23	3.42	4.42	4.60	4.16	4.08	4.44	4.40	45.84
HT-II	Others	134.61	144.24	154.78	139.17	145.32	155.15	125.67	122.45	119.79	115.70	112.72	114.37	1583.97
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	30.75	27.88	26.47	28.25	28.50	31.60	30.42	19.59	28.51	34.98	34.26	31.47	352.68
HT-VI	Townships and Residential Colonies	16.61	17.28	17.43	13.72	14.30	15.29	12.68	11.94	11.52	11.22	11.17	11.98	165.14
HT	Temporary Supply	3.58	2.34	2.63	3.19	3.48	4.24	4.81	4.57	5.09	4.71	4.33	3.71	46.67
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		787.02	763.06	760.87	753.32	737.95	766.85	781.26	755.75	774.18	793.33	839.66	849.42	9362.67
HT-I	Industry Segregated	492.29	473.03	489.97	470.40	448.03	466.92	482.92	467.52	474.74	489.26	535.21	550.71	5841.00
HT-I(B)	Ferro Alloys	22.43	20.55	6.84	11.17	14.19	20.67	16.21	19.40	17.96	23.60	27.57	25.25	225.83
HT-II	Others	3.40	3.14	3.17	2.97	2.81	2.91	5.05	4.92	4.53	4.32	4.61	4.41	46.24
HT-III	Airports, Railways and Bus Stations	2.37	3.89	3.24	4.89	7.84	11.15	9.98	10.43	12.51	8.84	3.07	2.88	81.10
HT-IV	Lift Irrigation & Agriculture and CPWS	212.65	212.00	208.37	211.50	212.11	211.94	213.30	199.33	210.45	213.25	215.03	212.62	2532.55
HT-V	Railway Traction	53.88	50.45	49.28	52.39	52.98	53.27	53.80	54.15	53.99	54.06	54.17	53.54	635.95
HT-VI	Townships and Residential Colonies	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	Temporary Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Category		Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Total
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		5252.26	4382.42	4204.55	4403.61	4876.92	4429.76	4554.47	3933.57	4525.77	4931.93	4996.65	5928.62	56420.53

Annexure – VI(B): TSNPDCL-Allowable month wise sales for FY 2025-26(MU)

Category		Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Total
LT Category		1522.85	938.91	841.60	856.34	1306.95	1222.80	1292.59	829.98	1187.72	1344.15	1446.84	2024.44	14815.17
Category I	Domestic	405.69	457.84	466.38	407.71	356.11	387.91	406.87	382.78	336.16	296.38	293.00	318.64	4515.48
Category II	Non-Domestic/Commercial	95.42	96.77	99.34	89.44	78.91	83.86	82.85	83.87	87.02	89.45	84.00	86.24	1057.17
Category III	Industrial	24.45	24.21	25.10	20.41	17.50	19.61	19.17	19.38	23.37	30.16	27.65	23.34	274.37
Category IV	Cottage Industries & Dhobighats	0.86	0.30	0.24	0.67	0.94	0.54	0.45	0.34	0.90	1.27	1.13	1.81	9.44
Category V	Irrigation & Agriculture	956.20	320.77	213.82	304.73	820.98	694.99	746.81	302.38	697.50	884.20	1001.64	1552.22	8496.25
Category VI	Local Bodies, Street Lighting & PWS	32.23	31.00	30.07	26.80	25.55	27.82	32.01	35.76	35.58	36.32	34.97	35.04	383.15
Category VII	General Purpose	6.93	6.85	5.27	5.34	5.74	6.71	3.73	4.75	6.56	5.56	3.66	6.26	67.37
Category VIII	Temporary Supply	1.07	1.15	1.37	1.23	1.23	1.35	0.68	0.71	0.62	0.82	0.79	0.88	11.91
Category IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
HT Category at 11 kV		322.02	198.21	218.33	198.26	226.97	267.79	221.13	217.30	243.39	291.63	317.61	299.04	3021.67
HT-I	Industry Segregated	100.20	91.32	110.67	82.82	94.88	103.45	103.39	129.73	132.34	132.11	130.68	107.20	1318.79
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II	Others	20.46	22.76	24.01	17.90	20.02	20.72	16.09	16.34	14.39	12.92	13.07	15.63	214.31
HT-III	Airports, Railways and Bus Stations	0.75	0.73	0.73	0.66	0.68	0.70	0.72	0.77	0.75	0.75	0.73	0.69	8.65
HT-IV	Lift Irrigation & Agriculture and CPWS	37.63	10.64	7.83	14.67	13.60	19.22	14.70	14.62	13.00	23.58	33.54	36.88	239.92

Category		Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Total
HT-VI	Townships and Residential Colonies	1.21	0.46	0.43	0.74	0.89	0.64	0.53	0.44	0.69	1.14	1.03	1.15	9.36
HT	Temporary Supply	1.89	2.45	2.51	2.27	3.22	3.54	2.52	2.42	2.42	2.57	2.80	2.37	30.99
HT	RESCOs	159.88	69.85	72.15	79.19	93.67	119.51	83.19	52.99	79.80	118.55	135.77	135.12	1199.66
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 33 kV		73.30	52.66	48.39	42.31	70.83	64.69	65.33	57.17	50.19	58.58	53.69	65.89	703.03
HT-I	Industry Segregated	13.59	8.77	8.36	7.77	9.55	11.32	17.00	16.59	15.25	15.00	14.21	12.48	149.87
HT-I(B)	Ferro Alloys	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	20.87
HT-II	Others	1.25	0.46	0.03	0.08	0.53	0.30	0.28	0.22	0.31	0.72	0.97	1.13	6.29
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	53.72	38.97	35.37	30.42	56.82	48.88	42.75	35.55	30.19	38.43	34.86	48.61	494.56
HT-VI	Townships and Residential Colonies	2.36	2.65	2.84	2.27	2.15	2.41	3.00	2.45	2.15	2.14	1.31	1.48	27.20
HT	Temporary Supply	0.64	0.06	0.06	0.03	0.04	0.04	0.57	0.62	0.56	0.56	0.60	0.45	4.22
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		151.66	162.27	192.94	265.56	307.86	361.53	389.63	410.19	400.20	404.11	287.53	215.85	3549.33
HT-I	Industry Segregated	57.07	65.18	62.44	60.48	59.58	63.54	62.41	73.11	59.86	60.24	61.51	48.60	734.04
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II	Others	0.32	0.29	0.10	0.50	1.54	0.82	1.07	1.14	1.01	0.99	0.53	0.25	8.56
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	25.17	23.69	57.76	140.67	179.08	228.18	264.16	273.96	281.06	278.69	161.85	104.67	2018.93

Category		Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Total
HT-V	Railway Traction	59.49	62.43	62.44	55.74	58.76	60.73	53.80	54.45	51.75	58.10	57.03	54.88	689.62
HT-VI	Townships and Residential Colonies	9.52	10.59	10.10	8.06	8.80	8.17	8.09	7.44	6.43	5.99	6.52	7.37	97.07
HT	Temporary Supply	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	1.11
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		2069.82	1352.05	1301.25	1362.46	1912.62	1916.80	1968.68	1514.64	1881.49	2098.48	2105.68	2605.23	22089.21

Annexure – VI(C): TSDISCOMs-Allowable month wise sales for FY 2025-26(MU)

Category		Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Total
LT Category		4683.06	3321.20	3014.49	3298.90	4209.96	3609.38	3658.63	2633.21	3556.27	4093.65	4188.10	5716.54	45983.40
Category I	Domestic	1635.30	1691.15	1527.18	1363.42	1345.16	1311.47	1363.18	1217.51	1133.92	1100.85	1108.61	1455.17	16252.93
Category II	Non-Domestic/Commercial	421.14	388.31	393.09	373.35	378.19	383.11	402.52	392.39	381.90	377.64	389.76	366.81	4648.21
Category III	Industrial	113.77	107.68	111.67	106.56	104.20	99.25	104.93	112.58	128.31	126.03	120.52	119.03	1354.52
Category IV	Cottage Industries & Dhobighats	1.84	1.21	1.17	1.56	1.82	1.41	1.41	1.26	1.87	2.12	1.98	2.82	20.46
Category V	Irrigation & Agriculture	2407.69	1035.39	889.09	1366.06	2291.03	1722.68	1691.31	810.01	1806.98	2386.09	2467.85	3660.86	22535.03
Category VI	Local Bodies, Street Lighting & PWS	74.90	71.82	68.66	64.43	64.57	66.00	74.96	77.99	79.24	78.96	76.01	80.84	878.38
Category VII	General Purpose	16.73	14.50	12.59	12.98	14.00	14.31	11.29	12.87	14.65	12.24	13.15	18.68	167.98
Category VIII	Temporary Supply	11.55	10.99	10.90	10.40	10.82	10.97	8.86	8.41	9.18	9.46	9.92	11.98	123.44
Category IX	Electric Vehicle Charging Stations	0.15	0.15	0.15	0.15	0.18	0.19	0.16	0.21	0.21	0.25	0.31	0.35	2.45
HT Category at 11 kV		955.02	777.96	808.43	763.11	812.30	860.78	847.23	877.82	899.35	948.49	987.48	951.02	10488.98
HT-I	Industry Segregated	486.67	441.36	475.52	438.22	461.22	469.97	477.17	538.76	550.49	554.60	559.99	510.38	5964.38

Category		Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Total
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41
HT-II	Others	206.23	197.57	194.47	178.07	185.21	189.69	209.87	212.77	197.45	185.98	192.09	204.09	2353.49
HT-III	Airports, Railways and Bus Stations	1.33	0.88	0.84	0.78	1.04	1.19	1.16	1.36	1.09	1.54	1.62	1.62	14.44
HT-IV	Lift Irrigation & Agriculture and CPWS	59.49	27.30	24.05	31.34	32.06	40.00	36.06	33.86	33.03	48.10	58.73	61.79	485.80
HT-VI	Townships and Residential Colonies	24.65	24.25	23.70	19.99	20.84	21.00	19.73	19.88	19.26	20.38	20.45	20.11	254.25
HT	Temporary Supply	16.23	16.20	17.11	15.00	17.35	18.88	18.39	17.68	17.71	18.85	18.37	17.44	209.19
HT	RESCOs	159.88	69.85	72.15	79.19	93.67	119.51	83.19	52.99	79.80	118.55	135.77	135.12	1199.66
HT-IX	Electric Vehicle Charging Stations	0.56	0.55	0.59	0.52	0.50	0.54	1.65	0.52	0.52	0.49	0.46	0.48	7.37
HT Category at 33 kV		745.33	709.97	729.08	685.17	721.47	748.03	846.40	771.23	777.27	790.83	799.56	801.02	9125.35
HT-I	Industry Segregated	496.53	471.19	484.63	463.02	465.37	484.95	620.07	567.51	573.25	576.56	593.15	581.68	6377.91
HT-I(B)	Ferro Alloys	5.28	4.88	4.85	5.03	4.97	5.16	6.16	6.34	5.90	5.82	6.18	6.14	66.71
HT-II	Others	135.86	144.70	154.81	139.25	145.85	155.45	125.95	122.66	120.10	116.42	113.70	115.50	1590.26
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	84.47	66.85	61.83	58.67	85.32	80.48	73.16	55.14	58.70	73.40	69.12	80.08	847.24
HT-VI	Townships and Residential Colonies	18.98	19.94	20.27	15.98	16.45	17.71	15.67	14.38	13.67	13.36	12.48	13.46	192.34
HT	Temporary Supply	4.21	2.41	2.69	3.22	3.51	4.28	5.37	5.19	5.65	5.27	4.93	4.16	50.89
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		938.68	925.34	953.80	1018.88	1045.81	1128.38	1170.89	1165.94	1174.38	1197.44	1127.19	1065.27	12912.00

Category		Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Total
HT-I	Industry Segregated	549.36	538.21	552.42	530.89	507.61	530.46	545.33	540.63	534.60	549.50	596.73	599.31	6575.04
HT-I(B)	Ferro Alloys	22.43	20.55	6.84	11.17	14.19	20.67	16.21	19.40	17.96	23.60	27.57	25.25	225.83
HT-II	Others	3.72	3.44	3.26	3.47	4.35	3.72	6.13	6.06	5.54	5.31	5.14	4.66	54.80
HT-III	Airports, Railways and Bus Stations	2.37	3.89	3.24	4.89	7.84	11.15	9.98	10.43	12.51	8.84	3.07	2.88	81.10
HT-IV	Lift Irrigation & Agriculture and CPWS	237.82	235.69	266.13	352.17	391.19	440.11	477.45	473.30	491.50	491.94	376.88	317.29	4551.48
HT-V	Railway Traction	113.37	112.88	111.72	108.13	111.74	114.00	107.60	108.61	105.74	112.16	111.20	108.42	1325.57
HT-VI	Townships and Residential Colonies	9.52	10.59	10.10	8.06	8.80	8.17	8.09	7.44	6.43	5.99	6.52	7.37	97.07
HT	Temporary Supply	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	1.11
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		7322.08	5734.47	5505.80	5766.07	6789.54	6346.56	6523.15	5448.21	6407.26	7030.41	7102.34	8533.85	78509.74

Annexure – VI(D): Energy Availability for FY 2025-26(MU)

Sl. No.	Name of the Station	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Total
A	TSGenco-Thermal													
1	KTPS-V	270.58	279.60	270.58	229.94	181.01	263.24	279.60	270.58	279.60	279.60	257.14	279.60	3141.08
2	KTPS-VI	265.26	274.10	265.26	274.10	274.10	265.26	274.10	265.26	224.17	233.25	252.11	274.10	3141.08
3	KTPS-VII	339.51	350.82	339.51	350.82	350.82	339.51	350.82	339.51	350.82	350.82	322.52	350.82	4136.30
4	RTS-B	24.66	25.48	24.66	25.48	25.48	24.66	25.48	18.56	16.77	25.48	23.43	25.48	285.63
5	KTPP-I	251.75	260.15	251.75	260.15	260.15	251.75	260.15	251.75	260.15	260.15	239.16	260.15	3067.21
6	KTPP-II	323.25	334.03	151.26	248.03	334.03	323.25	334.03	323.25	334.03	334.03	307.44	334.03	3680.65
7	BTPS	618.04	638.64	618.04	543.29	628.07	618.04	638.64	618.04	585.59	585.76	587.13	638.64	7317.93
8	YTPS	2283.60	2359.72	2283.60	2359.72	2359.72	2283.60	2359.72	2283.60	2359.72	2359.72	2131.36	2359.72	27783.75

Sl. No.	Name of the Station	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Total
	Sub-total	4376.64	4522.54	4204.65	4291.53	4413.38	4369.31	4522.54	4370.54	4410.84	4428.81	4120.28	4522.54	52553.62
B	TSGenco-Inter State													
1	PJHES	-0.05	-0.06	15.55	16.47	52.59	60.38	52.94	25.26	9.56	11.36	-0.06	-0.06	243.88
	Sub-total	-0.05	-0.06	15.55	16.47	52.59	60.38	52.94	25.26	9.56	11.36	-0.06	-0.06	243.88
C	TSGenco-Hydel													
1	Nagarjuna Sagar complex	24.48	17.59	25.50	90.81	182.67	177.15	193.58	121.32	60.41	54.40	39.25	33.58	1020.72
2	SLBHES	23.28	9.90	21.00	109.84	248.98	243.00	235.82	77.00	41.92	58.09	43.38	11.73	1123.94
3	LJHES	0.00	-0.07	9.13	24.86	48.25	67.12	54.90	23.33	9.52	5.84	-0.04	0.07	242.90
4	PCHES	12.42	1.19	0.15	13.91	44.75	52.35	54.24	43.17	19.33	14.37	16.30	15.28	287.46
5	Pochampad II	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Small Hydel (Singur, Nizam, Pochampad I, Palliar)	5.27	-0.03	0.26	5.50	12.19	19.72	21.82	6.74	4.99	10.14	9.61	11.50	107.71
7	Mini Hydel (Peddapalli)	0.30	-0.01	-0.01	-0.01	0.23	0.39	0.38	0.11	0.00	0.41	0.40	0.59	2.79
	Sub-total	65.76	28.56	56.02	244.90	537.07	559.73	560.73	271.68	136.17	143.25	108.89	72.75	2785.52
	Total TSGenco	4442.36	4551.04	4276.23	4552.89	5003.03	4989.41	5136.22	4667.49	4556.57	4583.42	4229.12	4595.24	55583.02
A	CGS-Thermal													
1	NTPC Ramagundam Stage I & II	182.80	188.89	188.15	198.66	198.66	168.60	189.04	179.83	155.58	198.66	178.01	194.01	2220.90
2	NTPC Ramagundam Stage III	37.69	38.95	37.69	38.95	38.95	37.69	38.95	37.69	38.95	22.79	31.74	38.95	439.02
3	NTPC Talcher TPS II	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	NTPC Simhadri Stage I	245.50	253.66	212.14	224.54	253.66	245.50	253.66	202.41	224.93	253.66	229.18	253.66	2852.52
5	NTPC Simhadri Stage II	116.57	120.44	85.14	92.97	120.44	116.57	120.44	116.57	120.44	120.44	108.82	120.44	1359.30
6	NTPC Kudgi	70.21	72.55	58.47	72.14	48.37	57.74	72.55	70.21	72.55	72.55	65.53	72.55	805.42
7	NLC TPS II Stage I	2.58	2.67	2.45	1.88	2.23	1.78	2.55	2.13	2.61	2.66	2.45	2.68	28.69
8	NLC TPS II Stage II	3.57	3.54	2.90	3.67	3.28	3.57	2.88	3.10	2.75	3.20	3.39	3.69	39.54

Sl. No.	Name of the Station	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Total
9	NNTPP	34.71	35.96	27.72	35.57	35.57	34.38	27.15	24.73	20.44	31.29	33.02	35.75	376.28
10	Neyveli new Unit-1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Neyveli new Unit-2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	TSTPP Unit 1	141.68	146.40	141.68	292.80	292.80	283.35	637.80	617.23	637.80	982.81	897.14	982.81	6054.29
13	NTECL Vallur TPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	NLC Tamil Nadu Power Ltd.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sub-total	835.32	863.07	756.35	961.20	993.96	949.18	1345.02	1253.90	1276.07	1688.07	1549.29	1704.54	14175.96
B	CGS-Nuclear													
1	NPC Madras APS	5.95	6.22	5.95	2.33	5.07	5.95	6.22	5.95	6.22	6.22	5.65	6.22	67.95
2	NPC Kaiga APS Units 1 & 2	37.32	43.32	41.76	43.32	43.32	31.14	39.75	41.76	43.32	43.32	39.75	43.32	491.43
3	NPC Kaiga APS Units 3 & 4	35.47	47.19	45.49	47.19	47.19	45.49	47.19	45.49	37.01	39.71	43.26	42.06	522.72
4	NPC Kudankulam	16.20	16.75	16.20	16.75	16.75	16.20	16.75	16.20	12.31	8.15	0.14	8.60	161.02
5	NPC Kudankulam NPP Unit 2	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	161.02
	Sub-total	108.37	126.90	122.82	123.01	125.74	112.20	123.33	122.82	112.28	110.83	102.22	113.62	1404.15
C	Bundled Power (Coal)													
1	JNNSM Phase 1	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	45.43
2	NTPC	66.09	68.29	66.09	68.29	68.29	66.09	68.29	66.09	68.29	68.29	62.74	68.29	805.11
	Sub-total	69.87	72.08	69.87	72.08	72.08	69.87	72.08	69.87	72.08	72.08	66.53	72.08	850.55
	Total CGS	1013.56	1062.05	949.04	1156.28	1191.78	1131.26	1540.43	1446.60	1460.43	1870.97	1718.04	1890.23	16430.66
A	Others													
1	SEIL (LT 1)	165.21	170.72	165.21	170.72	170.72	165.21	170.72	130.12	153.17	170.72	154.20	170.72	1957.46
2	SEIL (LT 2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	STPP	775.57	801.43	775.57	801.43	400.72	464.98	801.43	775.57	801.43	801.43	738.34	801.43	8739.33
4	CSPDCL	527.01	544.58	527.01	544.58	544.58	527.01	544.58	527.01	544.58	544.58	500.65	544.58	6420.74
5	PTC (MT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Others	1467.80	1516.73	1467.80	1516.73	1116.02	1157.20	1516.73	1432.70	1499.18	1516.73	1393.19	1516.73	17117.54
C	NCE													

Sl. No.	Name of the Station	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Total
1	Biomass	3.64	2.36	1.56	2.76	1.50	1.33	4.53	3.89	3.30	4.55	5.04	3.80	38.26
2	Bagasse	0.00	0.00	0.00	0.00	0.00	0.00	12.97	15.70	80.58	86.55	70.22	30.96	296.98
3	Municipal waste	34.29	34.22	34.24	34.21	28.54	34.25	34.17	34.26	26.22	34.75	32.78	31.03	392.94
4	Industrial waste	9.39	13.18	15.34	14.66	12.69	13.22	7.46	2.57	3.86	7.98	10.25	10.57	121.17
5	Wind	19.11	19.69	30.70	33.82	30.91	23.01	12.17	24.36	24.13	20.01	22.55	17.03	277.52
6	Mini Hydel	0.00	0.00	0.00	0.92	1.51	1.87	3.52	2.06	0.73	0.66	0.43	0.00	11.71
7	Solar	599.72	566.24	550.46	413.87	433.70	468.56	475.82	506.31	503.44	516.98	618.97	568.06	6222.13
8	Solar (JNNISM Phase I)	713.86	618.02	524.53	324.40	322.12	386.86	410.09	255.89	329.52	538.07	697.49	867.18	5988.04
9	Solar (NTPC)	102.73	100.30	92.92	70.12	83.91	83.92	84.77	82.15	92.28	92.46	104.51	103.85	1093.91
10	Solar (SECI)	171.98	177.72	267.75	276.68	276.68	267.75	276.68	267.75	276.68	276.68	249.92	276.68	3062.93
11	Solar (NTPC, NHPC CPSU) Tr-III 1545 MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Solar (PM KUSUM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Solar (NTPC CPSU)Tr-I &II 1692 MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Solar (SECI ISTS-IX)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total NCE	1654.72	1531.74	1517.50	1171.44	1191.56	1280.76	1322.17	1194.94	1340.73	1578.69	1812.17	1909.16	17505.58
	Grand total	8578.43	8661.55	8210.57	8397.35	8502.39	8558.63	9515.54	8741.73	8856.92	9549.82	9152.52	9911.36	106636.80

Annexure – VI(E): Energy Balance for FY 2025-26(MU)

Particular	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Total
Total Energy Requirement at State Periphery TSNPDCL	2303.74	1922.21	1844.19	1931.50	2139.11	1942.97	1997.67	1725.33	1985.09	2163.23	2191.62	2600.40	24747.06
Total Energy Requirement at State Periphery TSSPDCL	5886.11	3844.92	3700.46	3874.54	5439.05	5450.96	5598.48	4307.31	5350.53	5967.59	5988.09	7408.69	62816.72
Total Energy Requirement	8189.85	5767.13	5544.65	5806.04	7578.15	7393.93	7596.15	6032.64	7335.62	8130.82	8179.71	10009.09	87563.78
Energy Availability for TS DISCOM for FY 25-26	8578.43	8661.55	8210.57	8397.35	8502.39	8558.63	9515.54	8741.73	8856.92	9549.82	9152.52	9911.36	106636.80
Energy Surplus/Deficit	388.58	2894.42	2665.92	2591.31	924.23	1164.70	1919.39	2709.09	1521.30	1418.99	972.80	(97.73)	19073.01

Annexure – VII(A): TSSPDCL-Allowable month wise sales for FY 2026-27(MU)

Category		Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Total
LT Category		3325.87	2509.05	2288.13	2570.60	3054.28	2511.63	2490.19	1898.44	2491.70	2891.76	2883.27	3883.52	32798.43
Category I	Domestic	1299.14	1303.04	1120.77	1009.75	1044.97	975.78	1010.38	881.93	842.86	849.96	861.73	1200.78	12401.10
Category II	Non-Domestic/Commercial	342.93	306.95	309.28	298.91	315.09	315.07	336.57	324.82	310.47	303.42	321.92	295.39	3780.82
Category III	Industrial	93.79	87.64	90.90	90.45	91.03	83.61	90.05	97.85	110.18	100.66	97.51	100.47	1134.15
Category IV	Cottage Industries & Dhobighats	1.03	0.95	0.97	0.94	0.93	0.92	1.01	0.96	1.02	0.90	0.89	1.06	11.58
Category V	Irrigation & Agriculture	1524.06	750.35	709.03	1114.40	1543.55	1079.06	991.72	533.01	1164.95	1576.99	1539.52	2214.07	14740.72
Category VI	Local Bodies, Street Lighting & PWS	43.52	41.64	39.36	38.38	39.81	38.94	43.80	43.08	44.53	43.50	41.86	46.71	505.14
Category VII	General Purpose	10.24	7.99	7.65	7.98	8.63	7.94	7.90	8.48	8.46	6.99	9.91	12.99	105.17
Category VIII	Temporary Supply	11.00	10.33	10.00	9.63	10.07	10.10	8.58	8.08	8.99	9.07	9.59	11.66	117.10
Category IX	Electric Vehicle Charging Stations	0.16	0.16	0.16	0.16	0.20	0.20	0.17	0.22	0.23	0.28	0.33	0.38	2.66
HT Category at 11 kV		659.47	603.95	614.57	588.11	609.51	617.70	652.18	687.60	682.76	683.99	697.54	679.06	7776.44
HT-I	Industry Segregated	399.75	362.08	377.41	367.63	378.94	379.13	386.64	423.10	432.53	437.02	444.07	417.05	4805.34
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41
HT-II	Others	193.59	182.17	177.64	166.91	172.14	176.09	201.94	204.70	190.76	180.35	186.56	196.40	2229.24
HT-III	Airports, Railways and Bus Stations	0.64	0.17	0.11	0.13	0.39	0.53	0.49	0.65	0.38	0.87	0.99	1.02	6.37
HT-IV	Lift Irrigation & Agriculture and CPWS	24.04	18.33	17.84	18.33	20.31	22.86	23.50	21.17	22.03	26.97	27.70	27.40	270.47
HT-VI	Townships and Residential Colonies	25.78	26.17	25.59	21.18	21.94	22.39	21.12	21.39	20.43	21.16	21.37	20.86	269.38
HT	Temporary Supply	15.05	14.43	15.33	13.36	14.84	16.11	16.67	16.02	16.05	17.09	16.35	15.82	187.11
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Category		Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Total
HT-IX	Electric Vehicle Charging Stations	0.61	0.61	0.65	0.57	0.55	0.59	1.81	0.57	0.58	0.54	0.50	0.52	8.11
HT Category at 33 kV		710.57	695.63	720.52	680.11	688.61	723.47	823.46	752.78	766.70	772.21	786.19	774.97	8895.23
HT-I	Industry Segregated	503.36	481.97	496.41	474.49	475.09	493.65	628.57	574.21	581.59	585.29	603.41	593.26	6491.30
HT-I(B)	Ferro Alloys	3.60	3.20	3.17	3.36	3.29	3.48	4.51	4.69	4.24	4.16	4.53	4.49	46.72
HT-II	Others	147.75	158.33	169.89	152.76	159.50	170.30	137.94	134.40	131.49	126.99	123.73	125.54	1738.61
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	33.83	30.67	29.11	31.07	31.34	34.76	33.46	21.55	31.36	38.48	37.69	34.62	387.94
HT-VI	Townships and Residential Colonies	18.27	19.01	19.18	15.09	15.73	16.82	13.94	13.13	12.68	12.34	12.28	13.18	181.65
HT	Temporary Supply	3.76	2.46	2.76	3.35	3.65	4.45	5.05	4.80	5.34	4.95	4.55	3.89	49.00
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		866.93	840.62	839.33	830.60	813.34	844.76	860.83	832.44	852.91	873.66	924.61	935.64	10315.66
HT-I	Industry Segregated	544.74	523.43	542.18	520.52	495.76	516.66	534.37	517.33	525.32	541.38	592.23	609.39	6463.30
HT-I(B)	Ferro Alloys	23.00	21.07	7.02	11.45	14.55	21.19	16.62	19.89	18.42	24.20	28.27	25.89	231.56
HT-II	Others	3.40	3.14	3.17	2.97	2.81	2.91	5.05	4.92	4.53	4.32	4.61	4.41	46.24
HT-III	Airports, Railways and Bus Stations	2.60	4.28	3.56	5.38	8.62	12.27	10.98	11.47	13.76	9.72	3.38	3.17	89.21
HT-IV	Lift Irrigation & Agriculture and CPWS	233.92	233.20	229.21	232.65	233.32	233.13	234.62	219.27	231.49	234.57	236.53	233.88	2785.80
HT-V	Railway Traction	59.27	55.50	54.20	57.63	58.28	58.60	59.18	59.57	59.39	59.46	59.59	58.89	699.55

Category		Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Total
HT-VI	Townships and Residential Colonies	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	Temporary Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		5562.84	4649.25	4462.55	4669.42	5165.74	4697.55	4826.66	4171.26	4794.07	5221.63	5291.61	6273.19	59785.76

Annexure – VII(B): TSNPDCL-Allowable month wise sales for FY 2026-27(MU)

Category		Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Total
LT Category		1576.94	979.19	879.65	892.82	1353.37	1268.09	1340.03	864.89	1231.01	1390.76	1495.71	2088.99	15361.46
Category I	Domestic	426.29	481.10	490.07	428.42	374.19	407.61	427.53	402.22	353.24	311.43	307.88	334.83	4744.82
Category II	Non-Domestic/Commercial	101.63	103.06	105.80	95.25	84.05	89.31	88.24	89.33	92.68	95.27	89.46	91.85	1125.91
Category III	Industrial	25.67	25.43	26.36	21.43	18.38	20.59	20.13	20.35	24.54	31.67	29.03	24.51	288.09
Category IV	Cottage Industries & Dhobighats	0.89	0.31	0.26	0.69	0.97	0.56	0.47	0.35	0.93	1.32	1.18	1.88	9.83
Category V	Irrigation & Agriculture	981.00	329.09	219.37	312.63	842.27	713.02	766.18	310.22	715.59	907.13	1027.62	1592.48	8716.61
Category VI	Local Bodies, Street Lighting & PWS	33.07	31.81	30.85	27.50	26.21	28.55	32.85	36.68	36.50	37.26	35.87	35.95	393.10
Category VII	General Purpose	7.26	7.17	5.52	5.60	6.01	7.03	3.91	4.98	6.87	5.82	3.84	6.55	70.56
Category VIII	Temporary Supply	1.12	1.21	1.44	1.29	1.29	1.41	0.72	0.75	0.66	0.86	0.83	0.92	12.51
Category IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
HT Category at 11 kV		344.25	212.53	234.36	212.43	243.03	286.55	237.34	234.48	261.90	313.06	340.79	320.42	3241.14
HT-I	Industry Segregated	109.59	99.88	121.03	90.58	103.77	113.14	113.07	141.88	144.74	144.49	142.93	117.24	1442.34
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Category		Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Total
HT-II	Others	21.42	23.83	25.13	18.74	20.96	21.69	16.84	17.11	15.06	13.53	13.68	16.36	224.34
HT-III	Airports, Railways and Bus Stations	0.76	0.74	0.75	0.68	0.70	0.72	0.73	0.78	0.76	0.77	0.74	0.71	8.84
HT-IV	Lift Irrigation & Agriculture and CPWS	41.39	11.70	8.61	16.14	14.96	21.15	16.17	16.08	14.30	25.94	36.90	40.57	263.91
HT-VI	Townships and Residential Colonies	1.23	0.47	0.44	0.75	0.91	0.66	0.54	0.45	0.70	1.16	1.05	1.18	9.54
HT	Temporary Supply	1.98	2.58	2.63	2.39	3.38	3.71	2.64	2.54	2.54	2.70	2.94	2.49	32.54
HT	RESCOs	167.87	73.34	75.76	83.15	98.35	125.49	87.35	55.64	83.79	124.48	142.56	141.88	1259.64
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 33 kV		78.75	56.61	51.98	45.40	76.56	69.63	69.70	60.80	53.28	62.50	57.24	70.80	753.24
HT-I	Industry Segregated	13.59	8.77	8.36	7.77	9.55	11.32	17.00	16.59	15.25	15.00	14.21	12.48	149.87
HT-I(B)	Ferro Alloys	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	20.87
HT-II	Others	1.25	0.46	0.03	0.08	0.53	0.30	0.28	0.22	0.31	0.72	0.97	1.13	6.29
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	59.09	42.87	38.90	33.46	62.51	53.77	47.02	39.11	33.21	42.27	38.35	53.47	544.02
HT-VI	Townships and Residential Colonies	2.41	2.71	2.89	2.31	2.19	2.46	3.06	2.49	2.19	2.18	1.34	1.51	27.75
HT	Temporary Supply	0.67	0.07	0.06	0.03	0.04	0.04	0.60	0.65	0.59	0.58	0.63	0.47	4.44
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		158.48	169.19	203.23	283.69	330.11	388.77	420.03	441.65	432.11	436.19	307.84	230.25	3801.52
HT-I	Industry Segregated	57.29	65.42	62.68	60.71	59.80	63.78	62.64	73.38	60.09	60.47	61.74	48.78	736.79
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Category		Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Total
HT-II	Others	0.34	0.31	0.10	0.54	1.65	0.88	1.15	1.22	1.08	1.06	0.57	0.27	9.18
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	27.69	26.06	63.53	154.74	196.98	251.00	290.57	301.36	309.16	306.56	178.04	115.14	2220.83
HT-V	Railway Traction	63.36	66.49	66.51	59.38	62.59	64.69	57.31	58.00	55.12	61.89	60.75	58.45	734.55
HT-VI	Townships and Residential Colonies	9.71	10.80	10.30	8.22	8.98	8.33	8.25	7.59	6.56	6.11	6.65	7.51	99.01
HT	Temporary Supply	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1.17
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		2158.42	1417.52	1369.22	1434.33	2003.08	2013.04	2067.10	1601.82	1978.29	2202.51	2201.58	2710.46	23157.36

Annexure – VII(C): TSDISCOMs-Allowable month wise sales for FY 2026-27(MU)

Category		Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Total
LT Category		4902.81	3488.24	3167.78	3463.42	4407.65	3779.72	3830.23	2763.33	3722.71	4282.52	4378.98	5972.51	48159.89
Category I	Domestic	1725.43	1784.14	1610.84	1438.17	1419.17	1383.39	1437.92	1284.15	1196.10	1161.39	1169.61	1535.61	17145.92
Category II	Non-Domestic/Commercial	444.56	410.01	415.08	394.16	399.13	404.37	424.81	414.15	403.15	398.68	411.38	387.24	4906.73
Category III	Industrial	119.46	113.06	117.25	111.89	109.41	104.21	110.18	118.20	134.73	132.33	126.54	124.98	1422.25
Category IV	Cottage Industries & Dhobighats	1.92	1.26	1.22	1.63	1.90	1.48	1.48	1.32	1.96	2.22	2.07	2.95	21.41
Category V	Irrigation & Agriculture	2505.06	1079.44	928.40	1427.03	2385.82	1792.09	1757.91	843.23	1880.54	2484.12	2567.13	3806.56	23457.33
Category VI	Local Bodies, Street Lighting & PWS	76.59	73.45	70.21	65.88	66.02	67.49	76.65	79.76	81.03	80.76	77.74	82.66	898.23
Category VII	General Purpose	17.50	15.17	13.17	13.57	14.64	14.97	11.81	13.46	15.33	12.81	13.75	19.54	175.73
Category VIII	Temporary Supply	12.12	11.54	11.44	10.92	11.36	11.52	9.30	8.83	9.64	9.93	10.42	12.58	129.61
Category IX	Electric Vehicle Charging Stations	0.16	0.16	0.16	0.17	0.20	0.20	0.18	0.23	0.23	0.28	0.34	0.38	2.69

Category		Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Total
HT Category at 11 kV		1003.72	816.48	848.93	800.54	852.54	904.25	889.52	922.08	944.66	997.05	1038.33	999.48	11017.58
HT-I	Industry Segregated	509.35	461.96	498.44	458.20	482.71	492.27	499.71	564.98	577.27	581.50	587.00	534.29	6247.68
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41
HT-II	Others	215.01	206.00	202.78	185.65	193.10	197.77	218.78	221.80	205.83	193.87	200.24	212.76	2453.59
HT-III	Airports, Railways and Bus Stations	1.40	0.91	0.86	0.81	1.09	1.25	1.22	1.43	1.14	1.63	1.73	1.72	15.20
HT-IV	Lift Irrigation & Agriculture and CPWS	65.44	30.03	26.45	34.47	35.26	44.00	39.67	37.25	36.33	52.91	64.60	67.96	534.38
HT-VI	Townships and Residential Colonies	27.02	26.64	26.03	21.93	22.85	23.05	21.66	21.84	21.13	22.32	22.42	22.03	278.92
HT	Temporary Supply	17.04	17.01	17.96	15.75	18.22	19.82	19.31	18.56	18.59	19.79	19.28	18.31	219.65
HT	RESCOs	167.87	73.34	75.76	83.15	98.35	125.49	87.35	55.64	83.79	124.48	142.56	141.88	1259.64
HT-IX	Electric Vehicle Charging Stations	0.61	0.61	0.65	0.57	0.55	0.59	1.81	0.57	0.58	0.54	0.50	0.52	8.11
HT Category at 33 kV		789.32	752.24	772.50	725.51	765.17	793.10	893.16	813.58	819.98	834.71	843.43	845.77	9648.47
HT-I	Industry Segregated	516.95	490.74	504.76	482.26	484.64	504.97	645.57	590.80	596.84	600.29	617.62	605.74	6641.17
HT-I(B)	Ferro Alloys	5.34	4.94	4.91	5.10	5.03	5.22	6.25	6.43	5.98	5.90	6.27	6.22	67.60
HT-II	Others	149.00	158.79	169.92	152.84	160.04	170.60	138.22	134.62	131.79	127.72	124.70	126.67	1744.90
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	92.92	73.54	68.01	64.53	93.85	88.53	80.48	60.66	64.57	80.74	76.03	88.09	931.96
HT-VI	Townships and Residential Colonies	20.69	21.72	22.07	17.40	17.92	19.29	17.00	15.63	14.86	14.52	13.62	14.69	209.40
HT	Temporary Supply	4.42	2.53	2.82	3.38	3.69	4.49	5.64	5.45	5.93	5.53	5.18	4.37	53.44
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Category		Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Total
HT Category at 132 kV & above		1025.41	1009.81	1042.56	1114.29	1143.45	1233.52	1280.86	1274.09	1285.02	1309.85	1232.45	1165.88	14117.18
HT-I	Industry Segregated	602.02	588.85	604.85	581.23	555.56	580.44	597.02	590.71	585.40	601.85	653.98	658.17	7200.09
HT-I(B)	Ferro Alloys	23.00	21.07	7.02	11.45	14.55	21.19	16.62	19.89	18.42	24.20	28.27	25.89	231.56
HT-II	Others	3.74	3.46	3.27	3.51	4.46	3.78	6.20	6.14	5.61	5.38	5.17	4.68	55.42
HT-III	Airports, Railways and Bus Stations	2.60	4.28	3.56	5.38	8.62	12.27	10.98	11.47	13.76	9.72	3.38	3.17	89.21
HT-IV	Lift Irrigation & Agriculture and CPWS	261.60	259.26	292.74	387.39	430.31	484.12	525.20	520.63	540.65	541.13	414.57	349.02	5006.62
HT-V	Railway Traction	122.63	121.99	120.72	117.00	120.87	123.29	116.49	117.57	114.51	121.35	120.34	117.34	1434.10
HT-VI	Townships and Residential Colonies	9.71	10.80	10.30	8.22	8.98	8.33	8.25	7.59	6.56	6.11	6.65	7.51	99.01
HT	Temporary Supply	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1.17
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		7721.26	6066.77	5831.77	6103.75	7168.82	6710.59	6893.76	5773.08	6772.36	7424.14	7493.18	8983.64	82943.13

Annexure – VII(D): Energy Availability for FY 2026-27(MU)

Sl. No.	Name of the Station	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Total
A	TSGenco-Thermal													
1	KTPS-V	270.58	279.60	270.58	229.94	181.01	263.24	279.60	270.58	279.60	279.60	257.14	279.60	3141.08
2	KTPS-VI	265.26	274.10	265.26	274.10	274.10	265.26	274.10	265.26	224.17	233.25	252.11	274.10	3141.08
3	KTPS-VII	339.51	350.82	339.51	350.82	350.82	339.51	350.82	339.51	350.82	350.82	322.52	350.82	4136.30
4	RTS-B	24.66	25.48	24.66	25.48	25.48	24.66	25.48	18.56	16.77	25.48	23.43	25.48	285.63
5	KTPP-I	251.75	260.15	251.75	260.15	260.15	251.75	260.15	251.75	260.15	260.15	239.16	260.15	3067.21
6	KTPP-II	323.25	334.03	151.26	248.03	334.03	323.25	334.03	323.25	334.03	334.03	307.44	334.03	3680.65
7	BTPS	618.04	638.64	618.04	543.29	628.07	618.04	638.64	618.04	585.59	585.76	587.13	638.64	7317.93

Sl. No.	Name of the Station	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Total
8	YTPS	2292.41	2368.82	2292.41	2368.82	2368.82	2292.41	2368.82	2292.41	2368.82	2368.82	2139.58	2368.82	27891.00
	Sub-total	4385.46	4531.65	4213.47	4300.64	4422.49	4378.12	4531.65	4379.36	4419.95	4437.92	4128.51	4531.65	52660.87
B	TSGenco-Inter State													
1	PJHES	-0.05	-0.07	16.93	17.92	57.23	65.70	57.62	27.49	10.40	12.36	-0.06	-0.06	265.40
	Sub-total	-0.05	-0.07	16.93	17.92	57.23	65.70	57.62	27.49	10.40	12.36	-0.06	-0.06	265.40
C	TSGenco-Hydel													
1	Nagarjuna Sagar complex	26.57	19.08	27.67	98.55	198.25	192.25	210.08	131.66	65.56	59.04	42.59	36.44	1107.75
2	SLBHES	23.28	9.90	21.00	109.84	248.98	243.00	235.82	77.00	41.92	58.09	43.38	11.73	1123.94
3	LJHES	0.00	-0.07	9.13	24.86	48.25	67.12	54.90	23.33	9.52	5.84	-0.04	0.07	242.90
4	PCHES	13.93	1.33	0.17	15.59	50.17	58.70	60.81	48.41	21.67	16.11	18.27	17.14	322.30
5	Pochampad II	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Small Hydel (Singur, Nizam, Pochampad I, Palliar)	5.28	-0.03	0.26	5.50	12.20	19.74	21.84	6.74	5.00	10.15	9.61	11.51	107.80
7	Mini Hydel (Peddapalli)	0.25	-0.01	-0.01	-0.01	0.19	0.32	0.32	0.09	0.00	0.34	0.33	0.49	2.30
	Sub-total	69.31	30.21	58.22	254.33	558.03	581.13	583.76	287.24	143.67	149.57	114.15	77.37	2906.99
	Total TSGenco	4454.71	4561.79	4288.61	4572.89	5037.75	5024.95	5173.03	4694.09	4574.02	4599.85	4242.60	4608.96	55833.26
A	CGS-Thermal													
1	NTPC Ramagundam Stage I & II	182.80	188.89	188.15	198.66	198.66	168.60	189.04	179.83	155.58	198.66	178.01	194.01	2220.90
2	NTPC Ramagundam Stage III	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	NTPC Talcher TPS II	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	NTPC Simhadri Stage I	245.50	253.66	212.14	224.54	253.66	245.50	253.66	202.41	224.93	253.66	229.18	253.66	2852.52
5	NTPC Simhadri Stage II	116.57	120.44	85.14	92.97	120.44	116.57	120.44	116.57	120.44	120.44	108.82	120.44	1359.30
6	NTPC Kudgi	70.21	72.55	58.47	72.14	48.37	57.74	72.55	70.21	72.55	72.55	65.53	72.55	805.42
7	NLC TPS II Stage I	2.58	2.67	2.45	1.88	2.23	1.78	2.55	2.13	2.61	2.66	2.45	2.68	28.69

Sl. No.	Name of the Station	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Total
8	NLC TPS II Stage II	3.57	3.54	2.90	3.67	3.28	3.57	2.88	3.10	2.75	3.20	3.39	3.69	39.54
9	NNTPP	34.71	35.96	27.72	35.57	35.57	34.38	27.15	24.73	20.44	31.29	33.02	35.75	376.28
10	Neyveli new Unit-1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Neyveli new Unit-2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	TSTPP Unit 1	141.68	146.40	141.68	292.80	292.80	283.35	637.80	617.23	637.80	982.81	897.14	982.81	6054.29
13	NTECL Vallur TPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	NLC Tamil Nadu Power Ltd.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sub-total	797.62	824.12	718.65	922.24	955.01	911.49	1306.07	1216.21	1237.11	1665.28	1517.55	1665.58	13736.94
B	CGS-Nuclear													
1	NPC Madras APS	4.35	4.55	4.35	1.71	3.71	4.35	4.55	4.35	4.55	4.55	4.13	4.55	49.71
2	NPC Kaiga APS Units 1 & 2	27.30	31.69	30.55	31.69	31.69	22.78	29.08	30.55	31.69	31.69	29.08	31.69	359.49
3	NPC Kaiga APS Units 3 & 4	25.95	34.52	33.28	34.52	34.52	33.28	34.52	33.28	27.08	29.05	31.64	30.76	382.38
4	NPC Kudankulam	16.20	16.75	16.20	16.75	16.75	16.20	16.75	16.20	12.31	8.15	0.14	8.60	161.02
5	NPC Kudankulam NPP Unit 2	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	161.02
	Sub-total	87.22	100.93	97.80	98.08	100.08	90.03	98.32	97.80	89.04	86.86	78.42	89.02	1113.61
C	Bundled Power (Coal)													
1	JNNM Phase 1	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	45.43
2	NTPC	66.09	68.29	66.09	68.29	68.29	66.09	68.29	66.09	68.29	68.29	62.74	68.29	805.11
	Sub-total	69.87	72.08	69.87	72.08	72.08	69.87	72.08	69.87	72.08	72.08	66.53	72.08	850.55
	Total CGS	954.72	997.12	886.33	1092.40	1127.16	1071.39	1476.46	1383.88	1398.23	1824.22	1662.50	1826.68	15701.10
A	Others													
1	SEIL (LT 1)	165.21	170.72	165.21	170.72	170.72	165.21	170.72	130.12	153.17	170.72	154.20	170.72	1957.46
2	SEIL (LT 2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	STPP	775.57	801.43	775.57	801.43	400.72	464.98	801.43	775.57	801.43	801.43	738.34	801.43	8739.33
4	CSPDCL	527.01	544.58	527.01	544.58	544.58	527.01	544.58	527.01	544.58	544.58	500.65	544.58	6420.74
5	PTC (MT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Others	1467.80	1516.73	1467.80	1516.73	1116.02	1157.20	1516.73	1432.70	1499.18	1516.73	1393.19	1516.73	17117.54

Sl. No.	Name of the Station	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Total
C	NCE													
1	Biomass	3.64	2.36	1.56	2.76	1.50	1.33	4.53	3.89	3.30	4.55	5.04	3.80	38.26
2	Bagasse	0.00	0.00	0.00	0.00	0.00	0.00	12.97	15.70	80.58	86.55	70.22	30.96	296.98
3	Municipal waste	34.29	34.22	34.24	34.21	28.54	34.25	34.17	34.26	26.22	34.75	32.78	31.03	392.94
4	Industrial waste	9.39	13.18	15.34	14.66	12.69	13.22	7.46	2.57	3.86	7.98	10.25	10.57	121.17
5	Wind	19.11	19.69	30.70	33.82	30.91	23.01	12.17	24.36	24.13	20.01	22.55	17.03	277.52
6	Mini Hydel	0.00	0.00	0.00	0.92	1.51	1.87	3.52	2.06	0.73	0.66	0.43	0.00	11.71
7	Solar	599.72	566.24	550.46	413.87	433.70	468.56	475.82	506.31	503.44	516.98	618.97	568.06	6222.13
8	Solar (JNNSM Phase I)	713.86	618.02	524.53	324.40	322.12	386.86	410.09	255.89	329.52	538.07	697.49	867.18	5988.04
9	Solar (NTPC)	102.73	100.30	92.92	70.12	83.91	83.92	84.77	82.15	92.28	92.46	104.51	103.85	1093.91
10	Solar (SECI)	171.98	177.72	267.75	276.68	276.68	267.75	276.68	267.75	276.68	276.68	249.92	276.68	3062.93
11	Solar (NTPC, NHPC CPSU) Tr-III 1545 MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Solar (PM KUSUM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Solar (NTPC CPSU)Tr-I & II 1692 MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Solar (SECI ISTS-IX)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total NCE	1654.72	1531.74	1517.50	1171.44	1191.56	1280.76	1322.17	1194.94	1340.73	1578.69	1812.17	1909.16	17505.58
	Grand total	8531.95	8607.38	8160.23	8353.46	8472.49	8534.30	9488.39	8705.62	8812.17	9519.49	9110.45	9861.54	106157.48

Annexure – VIII: Energy Balance for FY 2026-27(MU)

Energy Requirement	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Total
Total Energy Requirement at State Periphery TSNPDCL	2410.13	2014.31	1933.42	2023.05	2238.08	2035.24	2091.17	1807.22	2077.05	2262.29	2292.61	2717.89	25902.45
Total Energy Requirement at State Periphery TSSPDCL	6194.71	4068.31	3929.70	4116.56	5748.88	5777.45	5932.62	4597.25	5677.74	6321.24	6318.57	7779.06	66462.08
Total Energy Requirement	8604.84	6082.62	5863.11	6139.60	7986.95	7812.68	8023.79	6404.47	7754.79	8583.54	8611.18	10496.95	92364.52
Energy Availability for TS DISCOM for FY 24-25	8531.95	8607.38	8160.23	8353.46	8472.49	8534.30	9488.39	8705.62	8812.17	9519.49	9110.45	9861.54	106157.48

Energy Requirement	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Total
Energy Surplus/Deficit	-72.89	2524.76	2297.12	2213.86	485.54	721.62	1464.60	2301.15	1057.38	935.95	499.27	-635.41	13792.95

Annexure – VIII(A): TSSPDCL-Allowable month wise sales for FY 2027-28(MU)

Category		Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27	Nov-27	Dec-27	Jan-28	Feb-28	Mar-28	Total
LT Category		3500.29	2642.62	2409.54	2705.41	3213.50	2643.29	2620.93	1998.73	2621.32	3041.45	3032.70	4084.95	34514.72
Category I	Domestic	1372.59	1376.72	1184.14	1066.85	1104.05	1030.95	1067.51	931.80	890.52	898.01	910.45	1268.67	13102.27
Category II	Non-Domestic/Commercial	361.06	323.17	325.63	314.71	331.74	331.72	354.35	341.99	326.88	319.45	338.94	311.00	3980.63
Category III	Industrial	98.48	92.02	95.44	94.97	95.58	87.79	94.56	102.74	115.69	105.69	102.39	105.49	1190.86
Category IV	Cottage Industries & Dhobighats	1.08	1.00	1.02	0.99	0.97	0.96	1.06	1.01	1.08	0.94	0.93	1.12	12.16
Category V	Irrigation & Agriculture	1600.26	787.86	744.48	1170.12	1620.73	1133.02	1041.31	559.66	1223.20	1655.84	1616.49	2324.78	15477.75
Category VI	Local Bodies, Street Lighting & PWS	44.39	42.47	40.15	39.15	40.60	39.72	44.68	43.94	45.42	44.37	42.70	47.65	515.24
Category VII	General Purpose	10.71	8.36	8.00	8.34	9.03	8.30	8.26	8.86	8.84	7.31	10.36	13.58	109.94
Category VIII	Temporary Supply	11.55	10.85	10.50	10.11	10.58	10.61	9.01	8.48	9.44	9.52	10.07	12.24	122.95
Category IX	Electric Vehicle Charging Stations	0.18	0.18	0.18	0.18	0.22	0.22	0.19	0.25	0.25	0.30	0.37	0.42	2.93
HT Category at 11 kV		687.23	629.32	640.21	612.47	634.85	643.59	679.50	715.95	710.81	712.42	726.54	707.44	8100.33
HT-I	Industry Segregated	413.50	374.53	390.38	380.27	391.97	392.17	399.94	437.65	447.40	452.04	459.34	431.39	4970.59
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41
HT-II	Others	201.74	189.84	185.12	173.94	179.39	183.50	210.44	213.32	198.80	187.94	194.41	204.67	2323.10
HT-III	Airports, Railways and Bus Stations	0.71	0.18	0.12	0.14	0.43	0.58	0.54	0.72	0.42	0.95	1.09	1.12	7.00
HT-IV	Lift Irrigation & Agriculture and CPWS	26.45	20.16	19.62	20.17	22.34	25.14	25.85	23.28	24.24	29.67	30.47	30.14	297.52
HT-VI	Townships and Residential Colonies	28.36	28.79	28.15	23.30	24.13	24.63	23.23	23.53	22.47	23.28	23.51	22.94	296.32
HT	Temporary Supply	15.81	15.15	16.10	14.03	15.58	16.91	17.50	16.82	16.85	17.94	17.16	16.61	196.47

Category		Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27	Nov-27	Dec-27	Jan-28	Feb-28	Mar-28	Total
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.67	0.67	0.71	0.62	0.61	0.65	1.99	0.63	0.63	0.59	0.55	0.58	8.92
HT Category at 33 kV		751.74	736.62	763.11	719.93	729.22	766.41	868.58	793.97	808.88	814.76	829.09	817.36	9399.68
HT-I	Industry Segregated	524.64	502.34	517.39	494.55	495.17	514.52	655.14	598.48	606.18	610.03	628.92	618.33	6765.70
HT-I(B)	Ferro Alloys	3.67	3.26	3.23	3.42	3.35	3.55	4.59	4.78	4.33	4.24	4.62	4.57	47.62
HT-II	Others	162.18	173.79	186.48	167.67	175.08	186.92	151.41	147.52	144.32	139.39	135.81	137.79	1908.35
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	37.21	33.74	32.02	34.18	34.48	38.24	36.80	23.71	34.50	42.32	41.45	38.08	426.74
HT-VI	Townships and Residential Colonies	20.10	20.91	21.09	16.60	17.30	18.51	15.34	14.44	13.94	13.57	13.51	14.49	199.82
HT	Temporary Supply	3.95	2.58	2.90	3.51	3.83	4.67	5.30	5.04	5.61	5.19	4.78	4.09	51.45
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		955.13	926.22	925.97	915.91	896.55	930.74	948.66	917.10	939.81	962.33	1018.37	1030.81	11367.59
HT-I	Industry Segregated	602.77	579.19	599.94	575.98	548.58	571.71	591.31	572.44	581.28	599.06	655.33	674.31	7151.91
HT-I(B)	Ferro Alloys	23.59	21.60	7.19	11.75	14.92	21.73	17.04	20.39	18.88	24.82	28.98	26.55	237.43
HT-II	Others	3.40	3.14	3.17	2.97	2.81	2.91	5.05	4.92	4.53	4.32	4.61	4.41	46.24
HT-III	Airports, Railways and Bus Stations	2.86	4.71	3.92	5.92	9.49	13.49	12.08	12.62	15.13	10.70	3.72	3.49	98.13
HT-IV	Lift Irrigation & Agriculture and CPWS	257.31	256.52	252.13	255.91	256.65	256.44	258.09	241.19	254.64	258.03	260.19	257.27	3064.38
HT-V	Railway Traction	65.20	61.05	59.62	63.39	64.11	64.46	65.09	65.53	65.33	65.41	65.55	64.78	769.51

Category		Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27	Nov-27	Dec-27	Jan-28	Feb-28	Mar-28	Total
HT-VI	Townships and Residential Colonies	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	Temporary Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		5894.39	4934.78	4738.84	4953.72	5474.12	4984.04	5117.67	4425.75	5080.81	5530.96	5606.70	6640.57	63382.33

Annexure – VIII(B): TSNPDCL-Allowable month wise sales for FY 2027-28(MU)

Category		Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27	Nov-27	Dec-27	Jan-28	Feb-28	Mar-28	Total
LT Category		1633.22	1021.37	919.57	931.03	1401.68	1315.29	1389.46	901.43	1276.11	1439.23	1546.48	2155.86	15930.72
Category I	Domestic	447.94	505.53	514.96	450.17	393.20	428.32	449.25	422.65	371.18	327.25	323.52	351.83	4985.80
Category II	Non-Domestic/Commercial	108.23	109.77	112.67	101.45	89.51	95.12	93.98	95.13	98.70	101.46	95.27	97.82	1199.11
Category III	Industrial	26.95	26.70	27.68	22.51	19.30	21.62	21.13	21.37	25.77	33.25	30.48	25.74	302.50
Category IV	Cottage Industries & Dhobighats	0.93	0.32	0.27	0.72	1.02	0.58	0.49	0.37	0.97	1.38	1.23	1.96	10.25
Category V	Irrigation & Agriculture	1006.45	337.63	225.06	320.74	864.12	731.51	786.06	318.27	734.15	930.66	1054.27	1633.79	8942.69
Category VI	Local Bodies, Street Lighting & PWS	33.93	32.63	31.65	28.21	26.89	29.29	33.70	37.64	37.45	38.23	36.81	36.88	403.30
Category VII	General Purpose	7.60	7.51	5.78	5.86	6.30	7.36	4.09	5.22	7.20	6.10	4.02	6.86	73.89
Category VIII	Temporary Supply	1.18	1.27	1.51	1.36	1.35	1.49	0.75	0.79	0.69	0.90	0.87	0.97	13.13
Category IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
HT Category at 11 kV		368.20	227.99	251.68	227.71	260.35	306.77	254.87	253.11	281.94	336.22	365.82	343.48	3478.14
HT-I	Industry Segregated	119.86	109.24	132.37	99.06	113.49	123.74	123.66	155.17	158.30	158.02	156.32	128.22	1577.45
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Category		Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27	Nov-27	Dec-27	Jan-28	Feb-28	Mar-28	Total
HT-II	Others	22.42	24.94	26.31	19.62	21.94	22.70	17.63	17.91	15.77	14.16	14.32	17.12	234.85
HT-III	Airports, Railways and Bus Stations	0.78	0.76	0.76	0.69	0.71	0.73	0.75	0.80	0.78	0.78	0.76	0.72	9.02
HT-IV	Lift Irrigation & Agriculture and CPWS	45.53	12.87	9.48	17.76	16.46	23.26	17.79	17.69	15.73	28.53	40.59	44.63	290.30
HT-VI	Townships and Residential Colonies	1.26	0.48	0.45	0.77	0.93	0.67	0.56	0.46	0.72	1.19	1.07	1.20	9.74
HT	Temporary Supply	2.08	2.71	2.76	2.51	3.55	3.90	2.78	2.67	2.67	2.84	3.08	2.62	34.16
HT	RESCOs	176.26	77.00	79.55	87.31	103.27	131.76	91.71	58.42	87.98	130.70	149.68	148.97	1322.63
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 33 kV		84.74	60.96	55.93	48.79	82.85	75.06	74.49	64.80	56.67	66.80	61.13	76.21	808.42
HT-I	Industry Segregated	13.59	8.77	8.36	7.77	9.55	11.32	17.00	16.59	15.25	15.00	14.21	12.48	149.87
HT-I(B)	Ferro Alloys	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	20.87
HT-II	Others	1.25	0.46	0.03	0.08	0.53	0.30	0.28	0.22	0.31	0.72	0.97	1.13	6.29
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	65.00	47.16	42.79	36.81	68.76	59.14	51.72	43.02	36.53	46.50	42.18	58.82	598.42
HT-VI	Townships and Residential Colonies	2.46	2.76	2.95	2.36	2.24	2.51	3.12	2.54	2.23	2.23	1.36	1.54	28.30
HT	Temporary Supply	0.70	0.07	0.06	0.04	0.04	0.04	0.62	0.69	0.62	0.61	0.66	0.50	4.66
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		165.82	176.62	214.37	303.46	354.42	418.55	453.31	476.08	467.05	471.31	330.01	245.93	4076.92
HT-I	Industry Segregated	57.50	65.67	62.91	60.94	60.03	64.01	62.88	73.66	60.31	60.69	61.97	48.97	739.54

Category		Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27	Nov-27	Dec-27	Jan-28	Feb-28	Mar-28	Total
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II	Others	0.37	0.34	0.11	0.58	1.77	0.94	1.24	1.31	1.16	1.14	0.61	0.29	9.85
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	30.45	28.67	69.89	170.21	216.68	276.09	319.63	331.50	340.08	337.22	195.84	126.65	2442.91
HT-V	Railway Traction	67.49	70.83	70.85	63.24	66.67	68.90	61.04	61.78	58.71	65.92	64.71	62.26	782.40
HT-VI	Townships and Residential Colonies	9.90	11.02	10.51	8.39	9.16	8.50	8.42	7.74	6.69	6.23	6.78	7.66	101.00
HT	Temporary Supply	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1.23
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		2251.97	1486.94	1441.56	1510.99	2099.30	2115.67	2172.12	1695.42	2081.77	2313.55	2303.43	2821.48	24294.20

Annexure – VI(C): TSDISCOMs-Allowable month wise sales for FY 2027-28(MU)

Category		Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27	Nov-27	Dec-27	Jan-28	Feb-28	Mar-28	Total
LT Category		5133.51	3663.99	3329.11	3636.43	4615.18	3958.58	4010.38	2900.16	3897.43	4480.67	4579.17	6240.81	50445.45
Category I	Domestic	1820.54	1882.25	1699.10	1517.02	1497.25	1459.27	1516.76	1354.44	1261.70	1225.26	1233.97	1620.51	18088.07
Category II	Non-Domestic/Commercial	469.29	432.93	438.30	416.16	421.25	426.83	448.33	437.12	425.58	420.91	434.21	408.83	5179.74
Category III	Industrial	125.43	118.72	123.12	117.48	114.88	109.42	115.69	124.11	141.46	138.95	132.87	131.23	1493.36
Category IV	Cottage Industries & Dhobighats	2.01	1.32	1.28	1.71	1.99	1.55	1.55	1.38	2.05	2.32	2.16	3.08	22.40
Category V	Irrigation & Agriculture	2606.71	1125.49	969.54	1490.86	2484.85	1864.53	1827.36	877.93	1957.35	2586.49	2670.76	3958.56	24420.45
Category VI	Local Bodies, Street Lighting & PWS	78.32	75.10	71.80	67.36	67.49	69.01	78.38	81.58	82.87	82.60	79.51	84.53	918.54
Category VII	General Purpose	18.31	15.87	13.77	14.20	15.32	15.66	12.35	14.08	16.04	13.40	14.38	20.44	183.83

Category VIII	Temporary Supply	12.73	12.12	12.01	11.47	11.93	12.09	9.77	9.27	10.13	10.43	10.94	13.21	136.09
Category IX	Electric Vehicle Charging Stations	0.18	0.18	0.18	0.18	0.22	0.22	0.19	0.25	0.26	0.31	0.37	0.42	2.96
HT Category at 11 kV		1055.42	857.32	891.89	840.18	895.20	950.36	934.37	969.06	992.75	1048.64	1092.36	1050.92	11578.47
HT-I	Industry Segregated	533.36	483.77	522.76	479.33	505.46	515.90	523.60	592.82	605.70	610.07	615.66	559.61	6548.04
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41
HT-II	Others	224.16	214.78	211.43	193.55	201.33	206.20	228.07	231.22	214.57	202.10	208.74	221.79	2557.95
HT-III	Airports, Railways and Bus Stations	1.48	0.94	0.89	0.84	1.14	1.32	1.29	1.51	1.19	1.74	1.84	1.84	16.02
HT-IV	Lift Irrigation & Agriculture and CPWS	71.98	33.03	29.10	37.92	38.79	48.40	43.64	40.97	39.96	58.20	71.06	74.76	587.81
HT-VI	Townships and Residential Colonies	29.62	29.26	28.60	24.07	25.06	25.30	23.79	23.99	23.19	24.46	24.58	24.14	306.05
HT	Temporary Supply	17.89	17.86	18.86	16.54	19.13	20.81	20.28	19.49	19.52	20.78	20.25	19.23	230.63
HT	RESCOs	176.26	77.00	79.55	87.31	103.27	131.76	91.71	58.42	87.98	130.70	149.68	148.97	1322.63
HT-IX	Electric Vehicle Charging Stations	0.67	0.67	0.71	0.62	0.61	0.65	1.99	0.63	0.63	0.59	0.55	0.58	8.92
HT Category at 33 kV		836.48	797.57	819.05	768.72	812.07	841.47	943.07	858.77	865.55	881.56	890.22	893.57	10208.10
HT-I	Industry Segregated	538.23	511.11	525.75	502.32	504.72	525.84	672.14	615.07	621.43	625.03	643.13	630.81	6915.57
HT-I(B)	Ferro Alloys	5.41	5.00	4.97	5.16	5.09	5.29	6.33	6.52	6.07	5.98	6.36	6.31	68.50
HT-II	Others	163.43	174.24	186.51	167.75	175.61	187.22	151.69	147.74	144.63	140.11	136.78	138.92	1914.65
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	102.21	80.89	74.82	70.99	103.24	97.38	88.52	66.72	71.03	88.82	83.63	96.90	1025.15
HT-VI	Townships and Residential Colonies	22.56	23.67	24.05	18.95	19.54	21.02	18.46	16.99	16.18	15.80	14.87	16.03	228.12

HT	Temporary Supply	4.65	2.65	2.96	3.55	3.87	4.72	5.92	5.72	6.22	5.81	5.44	4.59	56.11
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		1120.94	1102.83	1140.34	1219.38	1250.96	1349.29	1401.97	1393.18	1406.86	1433.64	1348.38	1276.74	15444.52
HT-I	Industry Segregated	660.28	644.86	662.85	636.91	608.61	635.72	654.18	646.10	641.60	659.75	717.30	723.27	7891.45
HT-I(B)	Ferro Alloys	23.59	21.60	7.19	11.75	14.92	21.73	17.04	20.39	18.88	24.82	28.98	26.55	237.43
HT-II	Others	3.77	3.48	3.28	3.55	4.58	3.85	6.29	6.23	5.69	5.46	5.22	4.70	56.09
HT-III	Airports, Railways and Bus Stations	2.86	4.71	3.92	5.92	9.49	13.49	12.08	12.62	15.13	10.70	3.72	3.49	98.13
HT-IV	Lift Irrigation & Agriculture and CPWS	287.76	285.19	322.02	426.12	473.34	532.54	577.72	572.69	594.72	595.25	456.03	383.92	5507.29
HT-V	Railway Traction	132.68	131.88	130.47	126.63	130.78	133.36	126.14	127.30	124.04	131.33	130.25	127.04	1551.91
HT-VI	Townships and Residential Colonies	9.90	11.02	10.51	8.39	9.16	8.50	8.42	7.74	6.69	6.23	6.78	7.66	101.00
HT	Temporary Supply	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1.23
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		8146.36	6421.71	6180.39	6464.71	7573.42	7099.71	7289.79	6121.17	7162.59	7844.52	7910.13	9462.04	87676.54

Annexure – VIII(D): Energy Availability for FY 2027-28(MU)

Sl. No.	Name of the Station	Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27	Nov-27	Dec-27	Jan-28	Feb-28	Mar-28	Total
A	TSGenco-Thermal													
1	KTPS-V	271.32	280.37	271.32	230.57	181.51	263.96	280.37	271.32	280.37	280.37	257.84	280.37	3149.68
2	KTPS-VI	265.98	274.85	265.98	274.85	274.85	265.98	274.85	265.98	224.79	233.89	252.81	274.85	3149.68
3	KTPS-VII	340.44	351.78	340.44	351.78	351.78	340.44	351.78	340.44	351.78	351.78	323.40	351.78	4147.64
4	RTS-B	24.73	25.55	24.73	25.55	25.55	24.73	25.55	18.61	16.81	25.55	23.49	25.55	286.41

Sl. No.	Name of the Station	Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27	Nov-27	Dec-27	Jan-28	Feb-28	Mar-28	Total
5	KTPP-I	252.44	260.86	252.44	260.86	260.86	252.44	260.86	252.44	260.86	260.86	239.82	260.86	3075.61
6	KTPP-II	324.14	334.94	151.67	248.71	334.94	324.14	334.94	324.14	334.94	334.94	308.28	334.94	3690.73
7	BTPS	618.46	639.08	618.46	543.66	628.50	618.46	639.08	618.46	585.99	586.17	587.53	639.08	7322.94
8	YTPS	2298.41	2375.02	2298.41	2375.02	2375.02	2298.41	2375.02	2298.41	2375.02	2375.02	2145.18	2375.02	27964.00
	Sub-total	4395.92	4542.47	4223.46	4311.02	4433.02	4388.57	4542.47	4389.81	4430.57	4448.58	4138.35	4542.47	52786.70
B	TSGenco-Inter State													
1	PJHES	-0.06	-0.07	17.29	18.31	58.47	67.13	58.87	28.09	10.63	12.63	-0.06	-0.06	271.17
	Sub-total	-0.06	-0.07	17.29	18.31	58.47	67.13	58.87	28.09	10.63	12.63	-0.06	-0.06	271.17
C	TSGenco-Hydel													
1	Nagarjuna Sagar complex	28.63	20.57	29.82	106.20	213.64	207.18	226.39	141.88	70.65	63.62	45.90	39.27	1193.75
2	SLBHES	23.28	9.90	21.00	109.84	248.98	243.00	235.82	77.00	41.92	58.09	43.38	11.73	1123.94
3	LJHES	0.00	-0.07	9.13	24.86	48.25	67.12	54.90	23.33	9.52	5.84	-0.04	0.07	242.90
4	PCHES	15.52	1.49	0.19	17.37	55.90	65.41	67.76	53.94	24.14	17.95	20.36	19.09	359.13
5	Pochampad II	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Small Hydel (Singur, Nizam, Pochampad I, Palliar)	5.28	-0.03	0.26	5.51	12.21	19.76	21.86	6.75	5.00	10.16	9.62	11.52	107.89
7	Mini Hydel (Peddapalli)	0.26	-0.01	-0.01	-0.01	0.20	0.34	0.33	0.10	0.00	0.36	0.35	0.52	2.44
	Sub-total	72.98	31.84	60.38	263.77	579.18	602.80	607.05	303.01	151.24	156.02	119.58	82.20	3030.05
	Total TSGenco	4468.85	4574.23	4301.14	4593.09	5070.67	5058.50	5208.39	4720.90	4592.44	4617.24	4257.86	4624.60	56087.92
A	CGS-Thermal													
1	NTPC Ramagundam Stage I & II	183.30	189.41	188.67	199.21	199.21	169.06	189.55	180.32	156.01	199.21	178.50	194.54	2226.99
2	NTPC Ramagundam Stage III	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	NTPC Talcher TPS II	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	NTPC Simhadri Stage I	224.65	232.12	194.13	205.47	232.12	224.65	232.12	185.22	205.83	232.12	209.72	232.12	2610.25
5	NTPC Simhadri Stage II	116.89	120.77	85.37	93.23	120.77	116.89	120.77	116.89	120.77	120.77	109.12	120.77	1363.03
6	NTPC Kudgi	70.40	72.75	58.63	72.34	48.50	57.89	72.75	70.40	72.75	72.75	65.71	72.75	807.63
7	NLC TPS II Stage I	2.59	2.68	2.46	1.89	2.23	1.78	2.56	2.14	2.62	2.67	2.46	2.69	28.76
8	NLC TPS II Stage II	3.58	3.55	2.91	3.68	3.29	3.58	2.88	3.10	2.75	3.21	3.40	3.70	39.65

Sl. No.	Name of the Station	Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27	Nov-27	Dec-27	Jan-28	Feb-28	Mar-28	Total
9	NNTPP	34.80	36.06	27.79	35.66	35.66	34.47	27.22	24.80	20.50	31.38	33.11	35.85	377.31
10	Neyveli new Unit-1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Neyveli new Unit-2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	TSTPP Unit 1	142.06	146.80	142.06	293.60	293.60	284.13	639.55	618.92	639.55	985.50	899.60	985.50	6070.88
13	NTECL Vallur TPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	NLC Tamil Nadu Power Ltd.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sub-total	778.28	804.14	702.02	905.08	935.38	892.46	1287.41	1201.80	1220.78	1647.60	1501.62	1647.91	13524.49
B	CGS-Nuclear													
1	NPC Madras APS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	NPC Kaiga APS Units 1 & 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	NPC Kaiga APS Units 3 & 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	NPC Kudankulam	16.25	16.80	16.25	16.80	16.80	16.25	16.80	16.25	12.34	8.18	0.14	8.62	161.46
5	NPC Kudankulam NPP Unit 2	13.46	13.46	13.46	13.46	13.46	13.46	13.46	13.46	13.46	13.46	13.46	13.46	161.46
	Sub-total	29.70	30.25	29.70	30.25	30.25	29.70	30.25	29.70	25.80	21.63	13.60	22.08	322.93
C	Bundled Power (Coal)													
1	JNNSM Phase 1	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	45.56
2	NTPC	66.27	68.48	66.27	68.48	68.48	66.27	68.48	66.27	68.48	68.48	62.92	68.48	807.32
	Sub-total	70.06	72.27	70.06	72.27	72.27	70.06	72.27	70.06	72.27	72.27	66.71	72.27	852.88
	Total CGS	878.05	906.66	801.79	1007.61	1037.91	992.23	1389.93	1301.56	1318.85	1741.51	1581.93	1742.26	14700.29
A	Others													
1	SEIL (LT 1)	165.67	171.19	165.67	171.19	171.19	165.67	171.19	130.47	153.59	171.19	154.62	171.19	1962.83
2	SEIL (LT 2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	STPP	777.70	803.63	777.70	803.63	401.81	466.25	803.63	777.70	803.63	803.63	740.36	803.63	8763.28
4	CSPDCL	528.45	546.07	528.45	546.07	546.07	528.45	546.07	528.45	546.07	546.07	502.02	546.07	6438.33
5	PTC (MT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Others	1471.82	1520.89	1471.82	1520.89	1119.07	1160.37	1520.89	1436.63	1503.29	1520.89	1397.00	1520.89	17164.43
C	NCE													

Sl. No.	Name of the Station	Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27	Nov-27	Dec-27	Jan-28	Feb-28	Mar-28	Total
1	Biomass	3.65	2.37	1.57	2.76	1.50	1.33	4.54	3.90	3.31	4.56	5.06	3.81	38.37
2	Bagasse	0.00	0.00	0.00	0.00	0.00	0.00	13.00	15.74	80.80	86.79	70.41	31.05	297.80
3	Municipal waste	34.38	34.31	34.33	34.31	28.61	34.34	34.26	34.35	26.30	34.84	32.87	31.12	394.02
4	Industrial waste	9.41	13.22	15.38	14.70	12.73	13.25	7.48	2.58	3.87	8.00	10.28	10.59	121.50
5	Wind	19.16	19.75	30.79	33.92	31.00	23.08	12.20	24.42	24.20	20.07	22.62	17.08	278.28
6	Mini Hydel	0.00	0.00	0.00	0.92	1.52	1.87	3.52	2.07	0.73	0.66	0.43	0.00	11.74
7	Solar	601.36	567.79	551.97	415.01	434.89	469.84	477.13	507.70	504.81	518.40	620.67	569.61	6239.18
8	Solar (JNNSM Phase I)	715.81	619.72	525.97	325.29	323.00	387.92	411.22	256.59	330.42	539.55	699.40	869.56	6004.44
9	Solar (NTPC)	103.01	100.57	93.17	70.31	84.14	84.15	85.00	82.37	92.53	92.71	104.80	104.14	1096.90
10	Solar (SECI)	172.45	178.20	268.48	277.43	277.43	268.48	277.43	268.48	277.43	277.43	250.60	277.43	3071.33
11	Solar (NTPC, NHPC CPSU) Tr-III 1545 MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Solar (PM KUSUM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Solar (NTPC CPSU)Tr-I & II 1692 MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Solar (SECI ISTS-IX)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total NCE	1659.25	1535.93	1521.65	1174.65	1194.83	1284.26	1325.79	1198.21	1344.41	1583.02	1817.13	1914.39	17553.54
	Grand total	8477.98	8537.72	8096.40	8296.24	8422.48	8495.36	9445.00	8657.31	8758.98	9462.65	9053.93	9802.14	105506.19

Annexure – VIII(E): Energy Balance for FY 2027-28(MU)

Particular	Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27	Nov-27	Dec-27	Jan-28	Feb-28	Mar-28	Total
Total Energy Requirement at State Periphery TSNPDCL	2523.06	2112.30	2028.43	2120.41	2343.16	2133.39	2190.59	1894.41	2174.81	2367.50	2399.91	2842.45	27130.42
Total Energy Requirement at State Periphery TSSPDCL	6521.33	4305.91	4174.50	4375.57	6079.23	6126.62	6290.09	4909.65	6028.46	6699.66	6670.36	8170.51	70351.90
Total Energy Requirement	9044.39	6418.21	6202.93	6495.98	8422.39	8260.00	8480.68	6804.07	8203.27	9067.16	9070.27	11012.97	97482.32
Energy Availability for TS DISCOM for FY 24-25	8477.98	8537.72	8096.40	8296.24	8422.48	8495.36	9445.00	8657.31	8758.98	9462.65	9053.93	9802.14	105506.19
Energy Surplus/Deficit	-566.41	2119.50	1893.47	1800.26	0.09	235.36	964.32	1853.24	555.71	395.49	-16.34	-1210.83	8023.87

Annexure – IX(A): TSSPDCL-Allowable month wise sales for FY 2028-29(MU)

Category		Apr-28	May-28	Jun-28	Jul-28	Aug-28	Sep-28	Oct-28	Nov-28	Dec-28	Jan-29	Feb-29	Mar-29	Total
LT Category		3683.94	2783.37	2537.46	2847.35	3381.09	2781.93	2758.60	2104.39	2757.75	3198.95	3189.94	4296.91	36321.67
Category I	Domestic	1450.20	1454.56	1251.10	1127.17	1166.48	1089.24	1127.87	984.48	940.87	948.79	961.93	1340.41	13843.08
Category II	Non-Domestic/Commercial	380.14	340.25	342.83	331.34	349.27	349.25	373.08	360.06	344.15	336.34	356.85	327.44	4190.99
Category III	Industrial	103.40	96.62	100.21	99.72	100.36	92.18	99.28	107.88	121.48	110.98	107.51	110.77	1250.40
Category IV	Cottage Industries & Dhobighats	1.13	1.05	1.07	1.04	1.02	1.01	1.11	1.06	1.13	0.99	0.98	1.17	12.77
Category V	Irrigation & Agriculture	1680.27	827.26	781.71	1228.62	1701.77	1189.67	1093.37	587.64	1284.36	1738.63	1697.32	2441.02	16251.64
Category VI	Local Bodies, Street Lighting & PWS	45.28	43.32	40.95	39.93	41.41	40.52	45.57	44.82	46.33	45.26	43.55	48.60	525.54
Category VII	General Purpose	11.19	8.74	8.36	8.72	9.43	8.68	8.63	9.27	9.24	7.64	10.83	14.19	114.92
Category VIII	Temporary Supply	12.13	11.39	11.03	10.61	11.10	11.14	9.46	8.90	9.91	10.00	10.57	12.85	129.10
Category IX	Electric Vehicle Charging Stations	0.19	0.19	0.20	0.20	0.24	0.24	0.21	0.27	0.28	0.33	0.40	0.46	3.22
HT Category at 11 kV		716.35	655.93	667.09	637.99	661.41	670.75	708.15	745.64	740.18	742.23	756.95	737.20	8439.87
HT-I	Industry Segregated	427.72	387.41	403.81	393.35	405.45	405.65	413.69	452.70	462.79	467.59	475.14	446.22	5141.52
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41
HT-II	Others	210.23	197.83	192.92	181.26	186.94	191.23	219.31	222.30	207.17	195.85	202.60	213.29	2420.91
HT-III	Airports, Railways and Bus Stations	0.78	0.20	0.14	0.16	0.47	0.64	0.60	0.79	0.46	1.05	1.20	1.23	7.70
HT-IV	Lift Irrigation & Agriculture and CPWS	29.09	22.18	21.58	22.18	24.57	27.66	28.44	25.61	26.66	32.63	33.52	33.15	327.27
HT-VI	Townships and Residential Colonies	31.20	31.66	30.97	25.63	26.54	27.10	25.55	25.88	24.72	25.60	25.86	25.24	325.95
HT	Temporary Supply	16.60	15.91	16.90	14.73	16.36	17.76	18.38	17.67	17.69	18.84	18.02	17.44	206.29
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.74	0.74	0.78	0.69	0.67	0.72	2.19	0.69	0.70	0.65	0.61	0.64	9.81

Category		Apr-28	May-28	Jun-28	Jul-28	Aug-28	Sep-28	Oct-28	Nov-28	Dec-28	Jan-29	Feb-29	Mar-29	Total
HT Category at 33 kV		795.75	780.48	808.71	762.53	772.68	812.39	916.62	837.83	853.80	860.09	874.76	862.51	9938.14
HT-I	Industry Segregated	546.82	523.57	539.26	515.46	516.11	536.27	682.83	623.78	631.80	635.82	655.51	644.47	7051.69
HT-I(B)	Ferro Alloys	3.74	3.32	3.29	3.49	3.42	3.62	4.68	4.87	4.41	4.33	4.71	4.66	48.54
HT-II	Others	178.01	190.75	204.68	184.04	192.17	205.17	166.19	161.92	158.41	153.00	149.07	151.25	2094.67
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	40.93	37.11	35.23	37.60	37.93	42.07	40.48	26.08	37.95	46.56	45.60	41.89	469.41
HT-VI	Townships and Residential Colonies	22.11	23.00	23.20	18.25	19.03	20.36	16.87	15.89	15.34	14.93	14.86	15.94	219.80
HT	Temporary Supply	4.14	2.71	3.05	3.69	4.02	4.91	5.56	5.29	5.89	5.45	5.02	4.29	54.02
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		1052.48	1020.70	1021.64	1010.10	988.40	1025.64	1045.62	1010.54	1035.73	1060.20	1121.87	1135.88	12528.79
HT-I	Industry Segregated	666.99	640.90	663.86	637.34	607.02	632.62	654.30	633.43	643.22	662.89	725.15	746.15	7913.87
HT-I(B)	Ferro Alloys	24.19	22.15	7.38	12.04	15.29	22.28	17.47	20.91	19.36	25.45	29.72	27.22	243.46
HT-II	Others	3.40	3.14	3.17	2.97	2.81	2.91	5.05	4.92	4.53	4.32	4.61	4.41	46.24
HT-III	Airports, Railways and Bus Stations	3.15	5.18	4.31	6.51	10.44	14.84	13.29	13.88	16.65	11.77	4.09	3.84	107.94
HT-IV	Lift Irrigation & Agriculture and CPWS	283.04	282.17	277.34	281.50	282.32	282.09	283.90	265.31	280.11	283.83	286.21	283.00	3370.82
HT-V	Railway Traction	71.72	67.15	65.59	69.73	70.52	70.90	71.60	72.08	71.86	71.95	72.10	71.26	846.46
HT-VI	Townships and Residential Colonies	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	Temporary Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Category		Apr-28	May-28	Jun-28	Jul-28	Aug-28	Sep-28	Oct-28	Nov-28	Dec-28	Jan-29	Feb-29	Mar-29	Total
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		6248.52	5240.48	5034.90	5257.96	5803.58	5290.71	5428.99	4698.39	5387.46	5861.47	5943.51	7032.50	67228.47

Annexure – IX(B): TSNPDCL-Allowable month wise sales for FY 2028-29(MU)

Category		Apr-28	May-28	Jun-28	Jul-28	Aug-28	Sep-28	Oct-28	Nov-28	Dec-28	Jan-29	Feb-29	Mar-29	Total
LT Category		1691.80	1065.55	961.46	971.04	1451.95	1364.49	1440.96	939.69	1323.10	1489.63	1599.21	2225.17	16524.04
Category I	Domestic	470.69	531.21	541.11	473.04	413.17	450.07	472.07	444.11	390.03	343.87	339.95	369.70	5239.03
Category II	Non-Domestic/Commercial	115.27	116.90	120.00	108.04	95.33	101.30	100.09	101.32	105.12	108.06	101.47	104.18	1277.08
Category III	Industrial	28.30	28.03	29.06	23.63	20.26	22.71	22.19	22.44	27.06	34.91	32.01	27.02	317.62
Category IV	Cottage Industries & Dhobighats	0.97	0.34	0.28	0.75	1.06	0.61	0.51	0.38	1.02	1.43	1.28	2.05	10.68
Category V	Irrigation & Agriculture	1032.55	346.39	230.89	329.06	886.53	750.49	806.44	326.52	753.19	954.79	1081.62	1676.16	9174.64
Category VI	Local Bodies, Street Lighting & PWS	34.81	33.48	32.47	28.94	27.59	30.05	34.57	38.61	38.42	39.22	37.76	37.84	413.78
Category VII	General Purpose	7.96	7.87	6.05	6.14	6.59	7.71	4.29	5.46	7.54	6.38	4.21	7.19	77.39
Category VIII	Temporary Supply	1.24	1.33	1.59	1.43	1.42	1.56	0.79	0.83	0.72	0.95	0.92	1.02	13.79
Category IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
HT Category at 11 kV		393.99	244.69	270.40	244.20	279.03	328.56	273.81	273.33	303.64	361.26	392.87	368.38	3734.16
HT-I	Industry Segregated	131.09	119.47	144.77	108.34	124.12	135.33	135.25	169.71	173.13	172.83	170.96	140.24	1725.23
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II	Others	23.47	26.11	27.54	20.54	22.97	23.77	18.45	18.74	16.51	14.82	14.99	17.93	245.84
HT-III	Airports, Railways and Bus Stations	0.79	0.78	0.78	0.71	0.73	0.75	0.76	0.81	0.80	0.80	0.77	0.74	9.21

Category		Apr-28	May-28	Jun-28	Jul-28	Aug-28	Sep-28	Oct-28	Nov-28	Dec-28	Jan-29	Feb-29	Mar-29	Total
HT-IV	Lift Irrigation & Agriculture and CPWS	50.09	14.16	10.42	19.53	18.10	25.59	19.56	19.46	17.30	31.39	44.65	49.09	319.33
HT-VI	Townships and Residential Colonies	1.28	0.49	0.46	0.78	0.95	0.68	0.57	0.47	0.73	1.21	1.09	1.22	9.93
HT	Temporary Supply	2.19	2.84	2.90	2.63	3.73	4.09	2.92	2.80	2.80	2.98	3.24	2.75	35.87
HT	RESCOs	185.08	80.85	83.52	91.68	108.43	138.35	96.30	61.34	92.37	137.24	157.17	156.42	1388.76
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 33 kV		91.32	65.73	60.27	52.52	89.78	81.02	79.75	69.18	60.40	71.52	65.41	82.14	869.06
HT-I	Industry Segregated	13.59	8.77	8.36	7.77	9.55	11.32	17.00	16.59	15.25	15.00	14.21	12.48	149.87
HT-I(B)	Ferro Alloys	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	20.87
HT-II	Others	1.25	0.46	0.03	0.08	0.53	0.30	0.28	0.22	0.31	0.72	0.97	1.13	6.29
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	71.50	51.87	47.07	40.49	75.63	65.06	56.89	47.32	40.18	51.15	46.40	64.70	658.26
HT-VI	Townships and Residential Colonies	2.51	2.81	3.01	2.40	2.28	2.56	3.18	2.59	2.28	2.27	1.39	1.57	28.87
HT	Temporary Supply	0.74	0.07	0.07	0.04	0.04	0.05	0.66	0.72	0.65	0.64	0.70	0.52	4.89
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		173.70	184.59	226.43	325.05	380.97	451.13	489.75	513.79	505.33	509.76	354.23	263.01	4377.75
HT-I	Industry Segregated	57.72	65.92	63.15	61.17	60.25	64.25	63.11	73.93	60.54	60.92	62.21	49.15	742.31
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II	Others	0.40	0.36	0.12	0.62	1.90	1.01	1.32	1.40	1.24	1.22	0.65	0.31	10.56

Category		Apr-28	May-28	Jun-28	Jul-28	Aug-28	Sep-28	Oct-28	Nov-28	Dec-28	Jan-29	Feb-29	Mar-29	Total
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	33.50	31.53	76.88	187.24	238.35	303.70	351.59	364.65	374.08	370.94	215.42	139.31	2687.20
HT-V	Railway Traction	71.89	75.44	75.46	67.36	71.01	73.39	65.02	65.80	62.54	70.22	68.92	66.32	833.38
HT-VI	Townships and Residential Colonies	10.10	11.24	10.72	8.55	9.34	8.67	8.59	7.90	6.82	6.36	6.91	7.82	103.01
HT	Temporary Supply	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	1.29
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		2350.81	1560.57	1518.56	1592.81	2201.73	2225.21	2284.26	1795.99	2192.47	2432.17	2411.71	2938.70	25505.01

Annexure – IX(C): TSDISCOMs-Allowable month wise sales for FY 2028-29(MU)

Category		Apr-28	May-28	Jun-28	Jul-28	Aug-28	Sep-28	Oct-28	Nov-28	Dec-28	Jan-29	Feb-29	Mar-29	Total
LT Category		5375.74	3848.93	3498.91	3818.39	4833.05	4146.42	4199.55	3044.07	4080.85	4688.58	4789.15	6522.08	52845.71
Category I	Domestic	1920.89	1985.77	1792.21	1600.20	1579.65	1539.31	1599.93	1428.59	1330.90	1292.66	1301.88	1710.11	19082.11
Category II	Non-Domestic/Commercial	495.41	457.15	462.83	439.38	444.60	450.55	473.17	461.38	449.27	444.39	458.32	431.62	5468.07
Category III	Industrial	131.70	124.65	129.27	123.35	120.63	114.89	121.47	130.32	148.53	145.89	139.51	137.79	1568.03
Category IV	Cottage Industries & Dhobighats	2.10	1.39	1.35	1.79	2.08	1.62	1.62	1.45	2.14	2.42	2.26	3.22	23.44
Category V	Irrigation & Agriculture	2712.82	1173.64	1012.60	1557.69	2588.30	1940.16	1899.82	914.17	2037.55	2693.42	2778.93	4117.18	25426.28
Category VI	Local Bodies, Street Lighting & PWS	80.09	76.80	73.42	68.87	69.00	70.56	80.15	83.43	84.75	84.48	81.32	86.44	939.32
Category VII	General Purpose	19.15	16.60	14.41	14.86	16.03	16.39	12.92	14.73	16.78	14.02	15.04	21.38	192.31
Category VIII	Temporary Supply	13.37	12.73	12.62	12.04	12.52	12.70	10.25	9.73	10.63	10.95	11.49	13.87	142.89
Category IX	Electric Vehicle Charging Stations	0.20	0.20	0.20	0.20	0.24	0.25	0.21	0.28	0.28	0.34	0.41	0.46	3.26

Category		Apr-28	May-28	Jun-28	Jul-28	Aug-28	Sep-28	Oct-28	Nov-28	Dec-28	Jan-29	Feb-29	Mar-29	Total
HT Category at 11 kV		1110.34	900.62	937.50	882.20	940.44	999.31	981.96	1018.97	1043.83	1103.49	1149.81	1105.57	12174.04
HT-I	Industry Segregated	558.81	506.88	548.58	501.69	529.57	540.98	548.94	622.41	635.92	640.42	646.10	586.46	6866.75
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41
HT-II	Others	233.70	223.94	220.46	201.79	209.91	214.99	237.76	241.04	223.67	210.68	217.59	231.21	2666.75
HT-III	Airports, Railways and Bus Stations	1.57	0.98	0.92	0.87	1.20	1.39	1.36	1.60	1.25	1.85	1.97	1.97	16.92
HT-IV	Lift Irrigation & Agriculture and CPWS	79.18	36.33	32.01	41.71	42.67	53.24	48.00	45.07	43.96	64.02	78.17	82.24	646.60
HT-VI	Townships and Residential Colonies	32.48	32.15	31.43	26.41	27.49	27.78	26.12	26.35	25.45	26.81	26.95	26.46	335.88
HT	Temporary Supply	18.78	18.75	19.80	17.36	20.09	21.85	21.29	20.47	20.50	21.82	21.26	20.19	242.16
HT	RESCOs	185.08	80.85	83.52	91.68	108.43	138.35	96.30	61.34	92.37	137.24	157.17	156.42	1388.76
HT-IX	Electric Vehicle Charging Stations	0.74	0.74	0.78	0.69	0.67	0.72	2.19	0.69	0.70	0.65	0.61	0.64	9.81
HT Category at 33 kV		887.08	846.21	868.98	815.05	862.45	893.41	996.38	907.01	914.20	931.61	940.16	944.65	10807.20
HT-I	Industry Segregated	560.40	532.34	547.62	523.22	525.65	547.59	699.83	640.37	647.05	650.82	669.72	656.95	7201.56
HT-I(B)	Ferro Alloys	5.48	5.06	5.03	5.23	5.16	5.36	6.42	6.61	6.15	6.06	6.45	6.40	69.42
HT-II	Others	179.26	191.21	204.71	184.12	192.70	205.47	166.47	162.14	158.72	153.72	150.04	152.38	2100.96
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	112.43	88.98	82.30	78.09	113.56	107.12	97.38	73.40	78.13	97.70	92.00	106.59	1127.67
HT-VI	Townships and Residential Colonies	24.62	25.82	26.22	20.66	21.31	22.92	20.05	18.48	17.62	17.20	16.25	17.51	248.67
HT	Temporary Supply	4.88	2.79	3.11	3.73	4.07	4.95	6.22	6.01	6.54	6.10	5.71	4.81	58.91
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Category		Apr-28	May-28	Jun-28	Jul-28	Aug-28	Sep-28	Oct-28	Nov-28	Dec-28	Jan-29	Feb-29	Mar-29	Total
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		1226.18	1205.29	1248.07	1335.15	1369.37	1476.77	1535.36	1524.32	1541.06	1569.96	1476.10	1398.89	16906.54
HT-I	Industry Segregated	724.71	706.82	727.00	698.51	667.28	696.87	717.42	707.37	703.75	723.81	787.36	795.30	8656.18
HT-I(B)	Ferro Alloys	24.19	22.15	7.38	12.04	15.29	22.28	17.47	20.91	19.36	25.45	29.72	27.22	243.46
HT-II	Others	3.79	3.51	3.29	3.59	4.71	3.92	6.38	6.32	5.78	5.54	5.26	4.72	56.80
HT-III	Airports, Railways and Bus Stations	3.15	5.18	4.31	6.51	10.44	14.84	13.29	13.88	16.65	11.77	4.09	3.84	107.94
HT-IV	Lift Irrigation & Agriculture and CPWS	316.54	313.70	354.22	468.74	520.67	585.79	635.49	629.96	654.19	654.77	501.63	422.31	6058.02
HT-V	Railway Traction	143.60	142.59	141.05	137.09	141.53	144.29	136.62	137.88	134.40	142.17	141.02	137.58	1679.83
HT-VI	Townships and Residential Colonies	10.10	11.24	10.72	8.55	9.34	8.67	8.59	7.90	6.82	6.36	6.91	7.82	103.01
HT	Temporary Supply	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	1.29
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		8599.34	6801.05	6553.46	6850.78	8005.31	7515.92	7713.25	6494.38	7579.93	8293.64	8355.23	9971.19	92733.48

Annexure – IX(D): Energy Availability for FY 2028-29(MU)

Sl. No.	Name of the Station	Apr-28	May-28	Jun-28	Jul-28	Aug-28	Sep-28	Oct-28	Nov-28	Dec-28	Jan-29	Feb-29	Mar-29	Total
A	TSGenco-Thermal													
1	KTPS-V	270.58	279.60	270.58	229.94	181.01	263.24	279.60	270.58	279.60	279.60	257.14	279.60	3141.08
2	KTPS-VI	265.26	274.10	265.26	274.10	274.10	265.26	274.10	265.26	224.17	233.25	252.11	274.10	3141.08
3	KTPS-VII	339.51	350.82	339.51	350.82	350.82	339.51	350.82	339.51	350.82	350.82	322.52	350.82	4136.30
4	RTS-B	24.66	25.48	24.66	25.48	25.48	24.66	25.48	18.56	16.77	25.48	23.43	25.48	285.63
5	KTPP-I	251.75	260.15	251.75	260.15	260.15	251.75	260.15	251.75	260.15	260.15	239.16	260.15	3067.21
6	KTPP-II	323.25	334.03	151.26	248.03	334.03	323.25	334.03	323.25	334.03	334.03	307.44	334.03	3680.65

Sl. No.	Name of the Station	Apr-28	May-28	Jun-28	Jul-28	Aug-28	Sep-28	Oct-28	Nov-28	Dec-28	Jan-29	Feb-29	Mar-29	Total
7	BTPS	618.04	638.64	618.04	543.29	628.07	618.04	638.64	618.04	585.59	585.76	587.13	638.64	7317.93
8	YTPS	2292.41	2368.82	2292.41	2368.82	2368.82	2292.41	2368.82	2292.41	2368.82	2368.82	2139.58	2368.82	27891.00
	Sub-total	4385.46	4531.65	4213.47	4300.64	4422.49	4378.12	4531.65	4379.36	4419.95	4437.92	4128.51	4531.65	52660.87
B	TSGenco-Inter State													
1	PJHES	-0.06	-0.07	17.67	18.70	59.73	68.58	60.13	28.69	10.86	12.90	-0.07	-0.07	277.00
	Sub-total	-0.06	-0.07	17.67	18.70	59.73	68.58	60.13	28.69	10.86	12.90	-0.07	-0.07	277.00
C	TSGenco-Hydel													
1	Nagarjuna Sagar complex	30.96	22.24	32.24	114.83	230.99	224.00	244.78	153.40	76.39	68.79	49.63	42.46	1290.69
2	SLBHES	23.28	9.90	21.00	109.84	248.98	243.00	235.82	77.00	41.92	58.09	43.38	11.73	1123.94
3	LJHES	0.00	-0.07	9.13	24.86	48.25	67.12	54.90	23.33	9.52	5.84	-0.04	0.07	242.90
4	PCHES	17.20	1.65	0.21	19.25	61.94	72.48	75.09	59.77	26.75	19.89	22.56	21.16	397.95
5	Pochampad II	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Small Hydel (Singur, Nizam, Pochampad I, Palliar)	5.28	-0.03	0.26	5.51	12.21	19.76	21.86	6.75	5.00	10.16	9.62	11.52	107.90
7	Mini Hydel (Peddapalli)	0.26	-0.01	-0.01	-0.01	0.20	0.34	0.33	0.10	0.00	0.36	0.35	0.52	2.44
	Sub-total	76.99	33.67	62.83	274.27	602.57	626.69	632.77	320.36	159.58	163.13	125.50	87.45	3165.82
	Total TSGenco	4462.39	4565.25	4293.96	4593.61	5084.79	5073.39	5224.55	4728.41	4590.40	4613.95	4253.95	4619.04	56103.69
A	CGS-Thermal													
1	NTPC Ramagundam Stage I & II	182.80	188.89	188.15	198.66	198.66	168.60	189.04	179.83	155.58	198.66	178.01	194.01	2220.90
2	NTPC Ramagundam Stage III	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	NTPC Talcher TPS II	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	NTPC Simhadri Stage I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	NTPC Simhadri Stage II	116.57	120.44	85.14	92.97	120.44	116.57	120.44	116.57	120.44	120.44	108.82	120.44	1359.30
6	NTPC Kudgi	70.21	72.55	58.47	72.14	48.37	57.74	72.55	70.21	72.55	72.55	65.53	72.55	805.42
7	NLC TPS II Stage I	2.58	2.67	2.45	1.88	2.23	1.78	2.55	2.13	2.61	2.66	2.45	2.68	28.69
8	NLC TPS II Stage II	3.57	3.54	2.90	3.67	3.28	3.57	2.88	3.10	2.75	3.20	3.39	3.69	39.54
9	NNTPP	34.71	35.96	27.72	35.57	35.57	34.38	27.15	24.73	20.44	31.29	33.02	35.75	376.28
10	Neyveli new Unit-1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Neyveli new Unit-2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Sl. No.	Name of the Station	Apr-28	May-28	Jun-28	Jul-28	Aug-28	Sep-28	Oct-28	Nov-28	Dec-28	Jan-29	Feb-29	Mar-29	Total
12	TSTPP Unit 1	141.68	146.40	141.68	292.80	292.80	283.35	637.80	617.23	637.80	982.81	897.14	982.81	6054.29
13	NTECL Vallur TPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	NLC Tamil Nadu Power Ltd.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sub-total	552.12	570.46	506.51	697.70	701.34	665.99	1052.41	1013.80	1012.18	1411.62	1288.37	1411.92	10884.42
B	CGS-Nuclear													
1	NPC Madras APS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	NPC Kaiga APS Units 1 & 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	NPC Kaiga APS Units 3 & 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	NPC Kudankulam	16.20	16.75	16.20	16.75	16.75	16.20	16.75	16.20	12.31	8.15	0.14	8.60	161.02
5	NPC Kudankulam NPP Unit 2	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	161.02
	Sub-total	29.62	30.17	29.62	30.17	30.17	29.62	30.17	29.62	25.73	21.57	13.56	22.01	322.04
C	Bundled Power (Coal)													
1	JNNM Phase 1	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	45.43
2	NTPC	66.09	68.29	66.09	68.29	68.29	66.09	68.29	66.09	68.29	68.29	62.74	68.29	805.11
	Sub-total	69.87	72.08	69.87	72.08	72.08	69.87	72.08	69.87	72.08	72.08	66.53	72.08	850.55
	Total CGS	651.62	672.70	606.00	799.94	803.59	765.48	1154.65	1113.30	1109.98	1505.27	1368.46	1506.01	12057.01
A	Others													
1	SEIL (LT 1)	165.21	170.72	165.21	170.72	170.72	165.21	170.72	130.12	153.17	170.72	154.20	170.72	1957.46
2	SEIL (LT 2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	STPP	775.57	801.43	775.57	801.43	400.72	464.98	801.43	775.57	801.43	801.43	738.34	801.43	8739.33
4	CSPDCL	527.01	544.58	527.01	544.58	544.58	527.01	544.58	527.01	544.58	544.58	500.65	544.58	6420.74
5	PTC (MT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Others	1467.80	1516.73	1467.80	1516.73	1116.02	1157.20	1516.73	1432.70	1499.18	1516.73	1393.19	1516.73	17117.54
C	NCE													
1	Biomass	3.64	2.36	1.56	2.76	1.50	1.33	4.53	3.89	3.30	4.55	5.04	3.80	38.26
2	Bagasse	0.00	0.00	0.00	0.00	0.00	0.00	12.97	15.70	80.58	86.55	70.22	30.96	296.98
3	Municipal waste	34.29	34.22	34.24	34.21	28.54	34.25	34.17	34.26	26.22	34.75	32.78	31.03	392.94
4	Industrial waste	9.39	13.18	15.34	14.66	12.69	13.22	7.46	2.57	3.86	7.98	10.25	10.57	121.17

Sl. No.	Name of the Station	Apr-28	May-28	Jun-28	Jul-28	Aug-28	Sep-28	Oct-28	Nov-28	Dec-28	Jan-29	Feb-29	Mar-29	Total
5	Wind	19.11	19.69	30.70	33.82	30.91	23.01	12.17	24.36	24.13	20.01	22.55	17.03	277.52
6	Mini Hydel	0.00	0.00	0.00	0.92	1.51	1.87	3.52	2.06	0.73	0.66	0.43	0.00	11.71
7	Solar	599.72	566.24	550.46	413.87	433.70	468.56	475.82	506.31	503.44	516.98	618.97	568.06	6222.13
8	Solar (JNNSM Phase I)	713.86	618.02	524.53	324.40	322.12	386.86	410.09	255.89	329.52	538.07	697.49	867.18	5988.04
9	Solar (NTPC)	102.73	100.30	92.92	70.12	83.91	83.92	84.77	82.15	92.28	92.46	104.51	103.85	1093.91
10	Solar (SECI)	171.98	177.72	267.75	276.68	276.68	267.75	276.68	267.75	276.68	276.68	249.92	276.68	3062.93
11	Solar (NTPC, NHPC CPSU) Tr-III 1545 MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Solar (PM KUSUM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Solar (NTPC CPSU)Tr-I &II 1692 MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Solar (SECI ISTS-IX)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total NCE	1654.72	1531.74	1517.50	1171.44	1191.56	1280.76	1322.17	1194.94	1340.73	1578.69	1812.17	1909.16	17505.58
	Grand total	8236.52	8286.42	7885.26	8081.73	8195.95	8276.83	9218.10	8469.35	8540.30	9214.64	8827.76	9550.95	102783.82

Annexure – IX(E): Energy Balance for FY 2028-29(MU)

Particular	Apr-28	May-28	Jun-28	Jul-28	Aug-28	Sep-28	Oct-28	Nov-28	Dec-28	Jan-29	Feb-29	Mar-29	Total
Total Energy Requirement at State Periphery TSNPDCL	2643.02	2216.63	2129.68	2224.03	2454.81	2237.88	2296.37	1987.34	2278.80	2479.30	2514.01	2974.63	28436.49
Total Energy Requirement at State Periphery TSSPDCL	6867.18	4558.73	4436.02	4652.92	6431.69	6500.27	6672.78	5246.44	6404.64	7104.85	7045.08	8584.50	74505.10
Total Energy Requirement	9510.20	6775.36	6565.70	6876.95	8886.50	8738.15	8969.15	7233.78	8683.45	9584.15	9559.09	11559.13	102941.59
Energy Availability for TS DISCOM for FY 24-25	8236.52	8286.42	7885.26	8081.73	8195.95	8276.83	9218.10	8469.35	8540.30	9214.64	8827.76	9550.95	102783.82
Energy Surplus/Deficit	-1273.67	1511.06	1319.56	1204.79	-690.55	-461.32	248.96	1235.57	-143.15	-369.51	-731.33	-2008.18	-157.77

Annexure – X(A): TSSPDCL-Allowable month wise sales for FY 2029-30(MU)

Category		Apr-29	May-29	Jun-29	Jul-29	Aug-29	Sep-29	Oct-29	Nov-29	Dec-29	Jan-30	Feb-30	Mar-30	Total
LT Category		3840.92	2904.29	2647.27	2968.73	3524.10	2900.49	2876.44	2195.10	2874.24	3333.15	3323.95	4477.47	37866.14
Category I	Domestic	1517.69	1522.25	1309.32	1179.62	1220.77	1139.94	1180.36	1030.30	984.66	992.95	1006.69	1402.79	14487.35

Category		Apr-29	May-29	Jun-29	Jul-29	Aug-29	Sep-29	Oct-29	Nov-29	Dec-29	Jan-30	Feb-30	Mar-30	Total
Category II	Non-Domestic/Commercial	396.42	354.82	357.52	345.54	364.23	364.21	389.07	375.49	358.90	350.75	372.14	341.47	4370.57
Category III	Industrial	107.54	100.49	104.22	103.71	104.38	95.87	103.26	112.20	126.34	115.42	111.81	115.20	1300.42
Category IV	Cottage Industries & Dhobighats	1.18	1.09	1.11	1.08	1.06	1.05	1.16	1.10	1.17	1.03	1.02	1.22	13.28
Category V	Irrigation & Agriculture	1747.48	860.35	812.98	1277.77	1769.84	1237.26	1137.11	611.15	1335.73	1808.17	1765.21	2538.66	16901.71
Category VI	Local Bodies, Street Lighting & PWS	46.18	44.19	41.77	40.73	42.24	41.33	46.49	45.71	47.26	46.16	44.43	49.57	536.05
Category VII	General Purpose	11.59	9.05	8.66	9.02	9.77	8.98	8.94	9.59	9.57	7.91	11.22	14.69	118.98
Category VIII	Temporary Supply	12.61	11.85	11.47	11.04	11.55	11.58	9.84	9.26	10.31	10.40	10.99	13.37	134.27
Category IX	Electric Vehicle Charging Stations	0.21	0.21	0.21	0.22	0.26	0.27	0.23	0.30	0.30	0.36	0.44	0.50	3.51
HT Category at 11 kV		743.42	680.62	692.13	661.82	686.19	696.04	734.70	773.29	767.66	770.14	785.41	764.91	8756.31
HT-I	Industry Segregated	442.43	400.73	417.70	406.87	419.39	419.60	427.92	468.27	478.70	483.67	491.48	461.57	5318.33
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41
HT-II	Others	216.98	204.18	199.11	187.08	192.94	197.36	226.35	229.44	213.82	202.14	209.10	220.13	2498.63
HT-III	Airports, Railways and Bus Stations	0.84	0.22	0.15	0.17	0.51	0.69	0.65	0.85	0.49	1.13	1.29	1.33	8.32
HT-IV	Lift Irrigation & Agriculture and CPWS	31.42	23.95	23.31	23.96	26.53	29.87	30.71	27.66	28.79	35.25	36.20	35.80	353.45
HT-VI	Townships and Residential Colonies	33.69	34.20	33.44	27.68	28.67	29.26	27.60	27.95	26.70	27.65	27.93	27.25	352.02
HT	Temporary Supply	17.26	16.55	17.58	15.32	17.01	18.47	19.11	18.37	18.40	19.59	18.74	18.14	214.54
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.80	0.80	0.84	0.74	0.72	0.78	2.37	0.75	0.75	0.71	0.66	0.69	10.60
HT Category at 33 kV		834.28	819.07	848.91	799.97	810.96	852.94	958.12	875.81	892.65	899.24	914.10	901.45	10407.50

Category		Apr-29	May-29	Jun-29	Jul-29	Aug-29	Sep-29	Oct-29	Nov-29	Dec-29	Jan-30	Feb-30	Mar-30	Total
HT-I	Industry Segregated	564.46	540.47	556.66	532.09	532.76	553.58	704.87	643.91	652.19	656.34	676.66	665.27	7279.26
HT-I(B)	Ferro Alloys	3.82	3.39	3.35	3.56	3.49	3.69	4.77	4.97	4.49	4.41	4.80	4.75	49.48
HT-II	Others	193.61	207.47	222.62	200.17	209.01	223.15	180.75	176.11	172.30	166.41	162.13	164.50	2278.22
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	44.20	40.08	38.04	40.60	40.96	45.43	43.72	28.16	40.98	50.28	49.25	45.24	506.96
HT-VI	Townships and Residential Colonies	23.88	24.85	25.06	19.72	20.56	21.99	18.22	17.16	16.57	16.13	16.05	17.22	237.39
HT	Temporary Supply	4.31	2.82	3.17	3.84	4.18	5.10	5.79	5.50	6.12	5.67	5.22	4.46	56.18
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		1146.12	1111.49	1113.69	1100.55	1076.45	1116.70	1138.73	1100.32	1127.81	1154.24	1221.62	1237.25	13644.99
HT-I	Industry Segregated	731.38	702.77	727.95	698.87	665.63	693.69	717.47	694.58	705.31	726.88	795.16	818.18	8677.88
HT-I(B)	Ferro Alloys	24.80	22.71	7.56	12.35	15.68	22.84	17.91	21.44	19.85	26.09	30.47	27.91	249.64
HT-II	Others	3.40	3.14	3.17	2.97	2.81	2.91	5.05	4.92	4.53	4.32	4.61	4.41	46.24
HT-III	Airports, Railways and Bus Stations	3.40	5.59	4.65	7.04	11.27	16.03	14.35	14.99	17.98	12.71	4.42	4.15	116.58
HT-IV	Lift Irrigation & Agriculture and CPWS	305.68	304.74	299.53	304.02	304.90	304.65	306.61	286.54	302.52	306.54	309.10	305.64	3640.48
HT-V	Railway Traction	77.45	72.53	70.83	75.31	76.16	76.58	77.33	77.84	77.61	77.71	77.87	76.96	914.17
HT-VI	Townships and Residential Colonies	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	Temporary Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Category		Apr-29	May-29	Jun-29	Jul-29	Aug-29	Sep-29	Oct-29	Nov-29	Dec-29	Jan-30	Feb-30	Mar-30	Total
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		6564.73	5515.48	5302.00	5531.07	6097.69	5566.16	5707.99	4944.52	5662.36	6156.78	6245.08	7381.08	70674.93

Annexure – X(B): TSNPDCL-Allowable month wise sales for FY 2029-30(MU)

Category		Apr-29	May-29	Jun-29	Jul-29	Aug-29	Sep-29	Oct-29	Nov-29	Dec-29	Jan-30	Feb-30	Mar-30	Total
LT Category		1746.54	1104.98	998.42	1006.82	1498.91	1409.95	1488.63	973.99	1366.75	1537.10	1649.21	2291.89	17073.19
Category I	Domestic	489.89	552.88	563.19	492.33	430.02	468.43	491.32	462.23	405.94	357.90	353.82	384.78	5452.73
Category II	Non-Domestic/Commercial	121.61	123.33	126.60	113.99	100.57	106.87	105.59	106.89	110.90	114.00	107.05	109.91	1347.34
Category III	Industrial	29.43	29.15	30.22	24.58	21.07	23.61	23.08	23.34	28.14	36.31	33.29	28.10	330.33
Category IV	Cottage Industries & Dhobighats	1.00	0.35	0.29	0.78	1.09	0.63	0.53	0.40	1.05	1.48	1.32	2.11	11.02
Category V	Irrigation & Agriculture	1059.33	355.37	236.88	337.60	909.52	769.95	827.36	334.99	772.72	979.56	1109.67	1719.63	9412.60
Category VI	Local Bodies, Street Lighting & PWS	35.71	34.35	33.31	29.69	28.30	30.83	35.47	39.62	39.42	40.24	38.74	38.82	424.52
Category VII	General Purpose	8.26	8.16	6.27	6.37	6.84	8.00	4.45	5.67	7.82	6.62	4.36	7.46	80.27
Category VIII	Temporary Supply	1.29	1.39	1.65	1.48	1.48	1.62	0.82	0.86	0.75	0.99	0.95	1.06	14.34
Category IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04
HT Category at 11 kV		417.86	260.30	287.95	259.59	296.41	348.79	291.56	292.57	324.13	384.74	418.20	391.59	3973.70
HT-I	Industry Segregated	142.05	129.47	156.89	117.41	134.51	146.65	146.57	183.91	187.62	187.29	185.27	151.97	1869.59
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II	Others	24.34	27.07	28.56	21.29	23.82	24.64	19.13	19.43	17.12	15.37	15.54	18.59	254.89
HT-III	Airports, Railways and Bus Stations	0.81	0.79	0.80	0.72	0.74	0.76	0.78	0.83	0.81	0.81	0.79	0.75	9.41

Category		Apr-29	May-29	Jun-29	Jul-29	Aug-29	Sep-29	Oct-29	Nov-29	Dec-29	Jan-30	Feb-30	Mar-30	Total
HT-IV	Lift Irrigation & Agriculture and CPWS	54.60	15.43	11.36	21.29	19.73	27.89	21.32	21.21	18.85	34.21	48.67	53.51	348.07
HT-VI	Townships and Residential Colonies	1.31	0.50	0.47	0.80	0.97	0.70	0.58	0.48	0.75	1.23	1.11	1.25	10.13
HT	Temporary Supply	2.27	2.95	3.02	2.74	3.88	4.26	3.03	2.91	2.92	3.10	3.37	2.86	37.30
HT	RESCOs	192.48	84.09	86.86	95.34	112.77	143.89	100.15	63.80	96.07	142.73	163.45	162.68	1444.31
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 33 kV		97.84	70.46	64.57	56.22	96.63	86.93	84.97	73.52	64.09	76.20	69.64	88.02	929.07
HT-I	Industry Segregated	13.59	8.77	8.36	7.77	9.55	11.32	17.00	16.59	15.25	15.00	14.21	12.48	149.87
HT-I(B)	Ferro Alloys	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	20.87
HT-II	Others	1.25	0.46	0.03	0.08	0.53	0.30	0.28	0.22	0.31	0.72	0.97	1.13	6.29
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	77.94	56.54	51.31	44.14	82.44	70.91	62.01	51.58	43.80	55.75	50.57	70.52	717.50
HT-VI	Townships and Residential Colonies	2.56	2.87	3.07	2.45	2.33	2.61	3.25	2.65	2.32	2.32	1.42	1.60	29.45
HT	Temporary Supply	0.76	0.08	0.07	0.04	0.05	0.05	0.68	0.75	0.67	0.67	0.72	0.54	5.09
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		181.13	192.09	237.97	346.06	406.87	483.00	525.47	550.76	542.90	547.46	377.83	279.57	4671.11
HT-I	Industry Segregated	57.93	66.16	63.38	61.40	60.48	64.50	63.35	74.21	60.76	61.15	62.44	49.33	745.09
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II	Others	0.42	0.38	0.13	0.66	2.02	1.07	1.41	1.49	1.32	1.30	0.69	0.33	11.22

Category		Apr-29	May-29	Jun-29	Jul-29	Aug-29	Sep-29	Oct-29	Nov-29	Dec-29	Jan-30	Feb-30	Mar-30	Total
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	36.51	34.37	83.80	204.09	259.80	331.04	383.24	397.46	407.75	404.32	234.81	151.85	2929.05
HT-V	Railway Traction	75.85	79.60	79.62	71.08	74.93	77.44	68.60	69.43	65.99	74.09	72.73	69.97	879.34
HT-VI	Townships and Residential Colonies	10.30	11.46	10.93	8.73	9.53	8.84	8.76	8.05	6.96	6.49	7.05	7.97	105.08
HT	Temporary Supply	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	1.34
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		2443.36	1627.83	1588.92	1668.68	2298.83	2328.66	2390.62	1890.85	2297.86	2545.50	2514.88	3051.07	26647.08

Annexure – X(C): TSDISCOMs-Allowable month wise sales for FY 2029-30(MU)

Category		Apr-29	May-29	Jun-29	Jul-29	Aug-29	Sep-29	Oct-29	Nov-29	Dec-29	Jan-30	Feb-30	Mar-30	Total
LT Category		5587.45	4009.28	3645.69	3975.55	5023.01	4310.43	4365.07	3169.10	4240.99	4870.25	4973.16	6769.36	54939.33
Category I	Domestic	2007.59	2075.13	1872.51	1671.96	1650.79	1608.37	1671.68	1492.53	1390.60	1350.84	1360.51	1787.57	19940.08
Category II	Non-Domestic/Commercial	518.04	478.16	484.13	459.52	464.81	471.08	494.66	482.38	469.80	464.75	479.19	451.38	5717.91
Category III	Industrial	136.97	129.64	134.44	128.29	125.45	119.49	126.33	135.53	154.48	151.73	145.09	143.30	1630.75
Category IV	Cottage Industries & Dhobighats	2.18	1.44	1.40	1.86	2.16	1.68	1.68	1.50	2.22	2.51	2.34	3.33	24.30
Category V	Irrigation & Agriculture	2806.82	1215.72	1049.86	1615.37	2679.36	2007.21	1964.47	946.14	2108.46	2787.73	2874.88	4258.29	26314.30
Category VI	Local Bodies, Street Lighting & PWS	81.90	78.54	75.08	70.42	70.55	72.15	81.96	85.33	86.68	86.40	83.17	88.40	960.57
Category VII	General Purpose	19.85	17.21	14.93	15.39	16.61	16.98	13.39	15.26	17.39	14.53	15.58	22.15	199.26
Category VIII	Temporary Supply	13.90	13.23	13.12	12.52	13.02	13.20	10.66	10.12	11.06	11.39	11.95	14.43	148.61
Category IX	Electric Vehicle Charging Stations	0.21	0.21	0.22	0.22	0.26	0.27	0.23	0.30	0.31	0.37	0.45	0.50	3.55

Category		Apr-29	May-29	Jun-29	Jul-29	Aug-29	Sep-29	Oct-29	Nov-29	Dec-29	Jan-30	Feb-30	Mar-30	Total
HT Category at 11 kV		1161.28	940.92	980.08	921.41	982.60	1044.83	1026.26	1065.86	1091.79	1154.88	1203.60	1156.50	12730.01
HT-I	Industry Segregated	584.48	530.20	574.58	524.28	553.90	566.26	574.48	652.18	666.32	670.96	676.75	613.54	7187.92
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41
HT-II	Others	241.32	231.25	227.66	208.37	216.76	222.01	245.48	248.87	230.93	217.51	224.65	238.72	2753.52
HT-III	Airports, Railways and Bus Stations	1.65	1.01	0.94	0.89	1.25	1.46	1.42	1.68	1.31	1.95	2.08	2.08	17.73
HT-IV	Lift Irrigation & Agriculture and CPWS	86.01	39.38	34.67	45.25	46.26	57.76	52.04	48.87	47.65	69.46	84.87	89.31	701.52
HT-VI	Townships and Residential Colonies	35.00	34.69	33.91	28.48	29.63	29.96	28.17	28.43	27.44	28.89	29.04	28.50	362.15
HT	Temporary Supply	19.53	19.50	20.59	18.06	20.89	22.73	22.14	21.28	21.32	22.69	22.11	21.00	251.85
HT	RESCOs	192.48	84.09	86.86	95.34	112.77	143.89	100.15	63.80	96.07	142.73	163.45	162.68	1444.31
HT-IX	Electric Vehicle Charging Stations	0.80	0.80	0.84	0.74	0.72	0.78	2.37	0.75	0.75	0.71	0.66	0.69	10.60
HT Category at 33 kV		932.12	889.53	913.48	856.19	907.59	939.87	1043.09	949.34	956.74	975.43	983.74	989.46	11336.57
HT-I	Industry Segregated	578.05	549.24	565.02	539.86	542.31	564.89	721.87	660.50	667.44	671.34	690.87	677.75	7429.13
HT-I(B)	Ferro Alloys	5.56	5.13	5.09	5.30	5.22	5.43	6.51	6.71	6.23	6.15	6.54	6.49	70.35
HT-II	Others	194.86	207.93	222.65	200.25	209.54	223.45	181.04	176.33	172.60	167.13	163.10	165.63	2284.51
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	122.14	96.62	89.35	84.74	123.40	116.34	105.74	79.74	84.78	106.03	99.82	115.77	1224.47
HT-VI	Townships and Residential Colonies	26.44	27.72	28.13	22.17	22.88	24.60	21.47	19.81	18.89	18.44	17.47	18.82	266.83
HT	Temporary Supply	5.07	2.90	3.24	3.88	4.23	5.15	6.47	6.25	6.80	6.34	5.94	5.01	61.27
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Category		Apr-29	May-29	Jun-29	Jul-29	Aug-29	Sep-29	Oct-29	Nov-29	Dec-29	Jan-30	Feb-30	Mar-30	Total
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		1327.25	1303.58	1351.67	1446.61	1483.32	1599.70	1664.20	1651.08	1670.70	1701.70	1599.46	1516.82	18316.10
HT-I	Industry Segregated	789.32	768.94	791.33	760.26	726.10	758.19	780.82	768.79	766.08	788.03	857.59	867.52	9422.97
HT-I(B)	Ferro Alloys	24.80	22.71	7.56	12.35	15.68	22.84	17.91	21.44	19.85	26.09	30.47	27.91	249.64
HT-II	Others	3.82	3.53	3.29	3.63	4.83	3.98	6.46	6.41	5.85	5.62	5.30	4.74	57.47
HT-III	Airports, Railways and Bus Stations	3.40	5.59	4.65	7.04	11.27	16.03	14.35	14.99	17.98	12.71	4.42	4.15	116.58
HT-IV	Lift Irrigation & Agriculture and CPWS	342.20	339.12	383.33	508.11	564.71	635.69	689.84	684.00	710.27	710.86	543.91	457.49	6569.53
HT-V	Railway Traction	153.30	152.13	150.46	146.39	151.09	154.01	145.94	147.28	143.60	151.79	150.59	146.93	1793.51
HT-VI	Townships and Residential Colonies	10.30	11.46	10.93	8.73	9.53	8.84	8.76	8.05	6.96	6.49	7.05	7.97	105.08
HT	Temporary Supply	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	1.34
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		9008.10	7143.31	6890.92	7199.75	8396.52	7894.83	8098.61	6835.37	7960.22	8702.27	8759.95	10432.15	97322.01

Annexure – X(D): Energy Availability for FY 2029-30(MU)

Sl. No.	Name of the Station	Apr-29	May-29	Jun-29	Jul-29	Aug-29	Sep-29	Oct-29	Nov-29	Dec-29	Jan-30	Feb-30	Mar-30	Total
A	TSGenco-Thermal													
1	KTPS-V	270.58	279.60	270.58	229.94	181.01	263.24	279.60	270.58	279.60	279.60	257.14	279.60	3141.08
2	KTPS-VI	265.26	274.10	265.26	274.10	274.10	265.26	274.10	265.26	224.17	233.25	252.11	274.10	3141.08
3	KTPS-VII	339.51	350.82	339.51	350.82	350.82	339.51	350.82	339.51	350.82	350.82	322.52	350.82	4136.30
4	RTS-B	24.66	25.48	24.66	25.48	25.48	24.66	25.48	18.56	16.77	25.48	23.43	25.48	285.63
5	KTPP-I	251.75	260.15	251.75	260.15	260.15	251.75	260.15	251.75	260.15	260.15	239.16	260.15	3067.21

Sl. No.	Name of the Station	Apr-29	May-29	Jun-29	Jul-29	Aug-29	Sep-29	Oct-29	Nov-29	Dec-29	Jan-30	Feb-30	Mar-30	Total
6	KTPP-II	323.25	334.03	151.26	248.03	334.03	323.25	334.03	323.25	334.03	334.03	307.44	334.03	3680.65
7	BTPS	618.04	638.64	618.04	543.29	628.07	618.04	638.64	618.04	585.59	585.76	587.13	638.64	7317.93
8	YTPS	2292.41	2368.82	2292.41	2368.82	2368.82	2292.41	2368.82	2292.41	2368.82	2368.82	2139.58	2368.82	27891.00
	Sub-total	4385.46	4531.65	4213.47	4300.64	4422.49	4378.12	4531.65	4379.36	4419.95	4437.92	4128.51	4531.65	52660.87
B	TSGenco-Inter State													
1	PJHES	-0.06	-0.07	17.67	18.70	59.73	68.58	60.13	28.69	10.86	12.90	-0.07	-0.07	277.00
	Sub-total	-0.06	-0.07	17.67	18.70	59.73	68.58	60.13	28.69	10.86	12.90	-0.07	-0.07	277.00
C	TSGenco-Hydel													
1	Nagarjuna Sagar complex	30.96	22.24	32.24	114.83	230.99	224.00	244.78	153.40	76.39	68.79	49.63	42.46	1290.69
2	SLBHES	23.28	9.90	21.00	109.84	248.98	243.00	235.82	77.00	41.92	58.09	43.38	11.73	1123.94
3	LJHES	0.00	-0.07	9.13	24.86	48.25	67.12	54.90	23.33	9.52	5.84	-0.04	0.07	242.90
4	PCHES	17.20	1.65	0.21	19.25	61.94	72.48	75.09	59.77	26.75	19.89	22.56	21.16	397.95
5	Pochampad II	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Small Hydel (Singur, Nizam, Pochampad I, Palliar)	5.28	-0.03	0.26	5.51	12.21	19.76	21.86	6.75	5.00	10.16	9.62	11.52	107.90
7	Mini Hydel (Peddapalli)	0.26	-0.01	-0.01	-0.01	0.20	0.34	0.33	0.10	0.00	0.36	0.35	0.52	2.44
	Sub-total	76.99	33.67	62.83	274.27	602.57	626.69	632.77	320.36	159.58	163.13	125.50	87.45	3165.82
	Total TSGenco	4462.39	4565.25	4293.96	4593.61	5084.79	5073.39	5224.55	4728.41	4590.40	4613.95	4253.95	4619.04	56103.69
A	CGS-Thermal													
1	NTPC Ramagundam Stage I & II	182.80	188.89	188.15	198.66	198.66	168.60	189.04	179.83	155.58	198.66	178.01	194.01	2220.90
2	NTPC Ramagundam Stage III	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	NTPC Talcher TPS II	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	NTPC Simhadri Stage I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	NTPC Simhadri Stage II	116.57	120.44	85.14	92.97	120.44	116.57	120.44	116.57	120.44	120.44	108.82	120.44	1359.30
6	NTPC Kudgi	70.21	72.55	58.47	72.14	48.37	57.74	72.55	70.21	72.55	72.55	65.53	72.55	805.42
7	NLC TPS II Stage I	2.31	2.39	2.19	1.68	1.99	1.59	2.28	1.91	2.33	2.37	2.19	2.39	25.62
8	NLC TPS II Stage II	3.19	3.16	2.59	3.28	2.93	3.19	2.57	2.76	2.45	2.86	3.03	3.29	35.32
9	NNTPP	34.71	35.96	27.72	35.57	35.57	34.38	27.15	24.73	20.44	31.29	33.02	35.75	376.28

Sl. No.	Name of the Station	Apr-29	May-29	Jun-29	Jul-29	Aug-29	Sep-29	Oct-29	Nov-29	Dec-29	Jan-30	Feb-30	Mar-30	Total
10	Neyveli new Unit-1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Neyveli new Unit-2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	TSTPP Unit 1	141.68	146.40	141.68	292.80	292.80	283.35	637.80	617.23	637.80	982.81	897.14	982.81	6054.29
13	NTECL Vallur TPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	NLC Tamil Nadu Power Ltd.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sub-total	551.46	569.79	505.94	697.11	700.76	665.41	1051.83	1013.24	1011.61	1410.99	1287.74	1411.24	10877.13
B	CGS-Nuclear													
1	NPC Madras APS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	NPC Kaiga APS Units 1 & 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	NPC Kaiga APS Units 3 & 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	NPC Kudankulam	16.20	16.75	16.20	16.75	16.75	16.20	16.75	16.20	12.31	8.15	0.14	8.60	161.02
5	NPC Kudankulam NPP Unit 2	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	161.02
	Sub-total	29.62	30.17	29.62	30.17	30.17	29.62	30.17	29.62	25.73	21.57	13.56	22.01	322.04
C	Bundled Power (Coal)													
1	JNNSM Phase 1	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	45.43
2	NTPC	66.09	68.29	66.09	68.29	68.29	66.09	68.29	66.09	68.29	68.29	62.74	68.29	805.11
	Sub-total	69.87	72.08	69.87	72.08	72.08	69.87	72.08	69.87	72.08	72.08	66.53	72.08	850.55
	Total CGS	650.96	672.04	605.43	799.35	803.00	764.91	1154.07	1112.74	1109.41	1504.64	1367.84	1505.33	12049.72
A	Others													
1	SEIL (LT 1)	165.21	170.72	165.21	170.72	170.72	165.21	170.72	130.12	153.17	170.72	154.20	170.72	1957.46
2	SEIL (LT 2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	STPP	775.57	801.43	775.57	801.43	400.72	464.98	801.43	775.57	801.43	801.43	738.34	801.43	8739.33
4	CSPDCL	88.08	91.01	88.08	91.01	91.01	88.08	91.01	88.08	91.01	91.01	83.67	91.01	1073.06
5	PTC (MT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Others	1028.86	1063.17	1028.86	1063.17	662.45	718.26	1063.17	993.77	1045.61	1063.17	976.21	1063.17	11769.85
C	NCE													
1	Biomass	3.64	2.36	1.56	2.76	1.50	1.33	4.53	3.89	3.30	4.55	5.04	3.80	38.26

Sl. No.	Name of the Station	Apr-29	May-29	Jun-29	Jul-29	Aug-29	Sep-29	Oct-29	Nov-29	Dec-29	Jan-30	Feb-30	Mar-30	Total
2	Bagasse	0.00	0.00	0.00	0.00	0.00	0.00	12.97	15.70	80.58	86.55	70.22	30.96	296.98
3	Municipal waste	34.29	34.22	34.24	34.21	28.54	34.25	34.17	34.26	26.22	34.75	32.78	31.03	392.94
4	Industrial waste	9.39	13.18	15.34	14.66	12.69	13.22	7.46	2.57	3.86	7.98	10.25	10.57	121.17
5	Wind	19.11	19.69	30.70	33.82	30.91	23.01	12.17	24.36	24.13	20.01	22.55	17.03	277.52
6	Mini Hydel	0.00	0.00	0.00	0.92	1.51	1.87	3.52	2.06	0.73	0.66	0.43	0.00	11.71
7	Solar	599.72	566.24	550.46	413.87	433.70	468.56	475.82	506.31	503.44	516.98	618.97	568.06	6222.13
8	Solar (JNNSM Phase I)	713.86	618.02	524.53	324.40	322.12	386.86	410.09	255.89	329.52	538.07	697.49	867.18	5988.04
9	Solar (NTPC)	102.73	100.30	92.92	70.12	83.91	83.92	84.77	82.15	92.28	92.46	104.51	103.85	1093.91
10	Solar (SECI)	171.98	177.72	267.75	276.68	276.68	267.75	276.68	267.75	276.68	276.68	249.92	276.68	3062.93
11	Solar (NTPC, NHPC CPSU) Tr-III 1545 MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Solar (PM KUSUM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Solar (NTPC CPSU)Tr-I &II 1692 MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Solar (SECI ISTS-IX)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total NCE	1654.72	1531.74	1517.50	1171.44	1191.56	1280.76	1322.17	1194.94	1340.73	1578.69	1812.17	1909.16	17505.58
	Grand total	7796.93	7832.19	7445.75	7627.57	7741.80	7837.32	8763.96	8029.86	8086.16	8760.45	8410.16	9096.70	97428.84

Annexure – X(E): Energy Balance for FY 2029-30(MU)

Particular	Apr-29	May-29	Jun-29	Jul-29	Aug-29	Sep-29	Oct-29	Nov-29	Dec-29	Jan-30	Feb-30	Mar-30	Total
Total Energy Requirement at State Periphery TSNPDCL	2770.49	2327.68	2237.58	2334.26	2573.39	2349.06	2408.92	2086.72	2389.66	2598.32	2635.58	3115.01	29826.66
Total Energy Requirement at State Periphery TSSPDCL	7238.49	4822.47	4707.20	4943.48	6810.30	6898.69	7082.25	5601.65	6807.45	7541.06	7450.36	9038.84	78942.23
Total Energy Requirement	10008.98	7150.15	6944.78	7277.74	9383.69	9247.76	9491.17	7688.37	9197.11	10139.38	10085.94	12153.85	108768.89
Energy Availability for TS DISCOM for FY 24-25	7796.93	7832.19	7445.75	7627.57	7741.80	7837.32	8763.96	8029.86	8086.16	8760.45	8410.16	9096.70	97428.84
Energy Surplus/Deficit	-2212.05	682.04	500.97	349.83	-1641.89	-1410.44	-727.21	341.49	-1110.95	-1378.93	-1675.78	-3057.14	-11340.05

Annexure – XI(A): TSSPDCL-Allowable month wise sales for FY 2030-31(MU)

Category		Apr-30	May-30	Jun-30	Jul-30	Aug-30	Sep-30	Oct-30	Nov-30	Dec-30	Jan-31	Feb-31	Mar-31	Total
LT Category		4004.64	3030.52	2761.87	3095.33	3673.21	3024.14	2999.36	2289.77	2995.69	3473.03	3463.63	4665.68	39476.89
Category I	Domestic	1588.33	1593.10	1370.26	1234.53	1277.58	1192.99	1235.30	1078.25	1030.48	1039.16	1053.55	1468.08	15161.60
Category II	Non-Domestic/Commercial	413.41	370.03	372.84	360.34	379.84	379.82	405.74	391.58	374.28	365.78	388.09	356.10	4557.84
Category III	Industrial	111.84	104.50	108.39	107.86	108.55	99.71	107.39	116.68	131.39	120.03	116.28	119.81	1352.43
Category IV	Cottage Industries & Dhobighats	1.23	1.14	1.16	1.12	1.11	1.09	1.20	1.15	1.22	1.07	1.06	1.27	13.81
Category V	Irrigation & Agriculture	1817.38	894.76	845.50	1328.88	1840.63	1286.75	1182.59	635.60	1389.16	1880.50	1835.82	2640.20	17577.77
Category VI	Local Bodies, Street Lighting & PWS	47.11	45.07	42.61	41.54	43.09	42.15	47.42	46.63	48.20	47.08	45.31	50.56	546.77
Category VII	General Purpose	12.00	9.36	8.96	9.34	10.11	9.30	9.25	9.93	9.91	8.19	11.61	15.21	123.19
Category VIII	Temporary Supply	13.12	12.32	11.93	11.48	12.01	12.05	10.23	9.63	10.72	10.82	11.43	13.90	139.64
Category IX	Electric Vehicle Charging Stations	0.23	0.23	0.23	0.24	0.28	0.29	0.25	0.32	0.33	0.40	0.48	0.54	3.83
HT Category at 11 kV		771.63	706.35	718.21	686.64	712.00	722.39	762.35	802.07	796.26	799.23	815.06	793.78	9085.95
HT-I	Industry Segregated	457.64	414.51	432.06	420.86	433.81	434.03	442.63	484.37	495.17	500.30	508.38	477.44	5501.23
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41
HT-II	Others	223.95	210.74	205.50	193.08	199.13	203.70	233.61	236.80	220.68	208.63	215.82	227.20	2578.84
HT-III	Airports, Railways and Bus Stations	0.91	0.23	0.16	0.18	0.55	0.75	0.70	0.92	0.53	1.22	1.40	1.44	8.98
HT-IV	Lift Irrigation & Agriculture and CPWS	33.93	25.87	25.18	25.87	28.66	32.26	33.17	29.87	31.10	38.07	39.10	38.66	381.73
HT-VI	Townships and Residential Colonies	36.39	36.93	36.12	29.90	30.96	31.60	29.80	30.19	28.83	29.86	30.16	29.43	380.19
HT	Temporary Supply	17.95	17.21	18.28	15.93	17.69	19.21	19.88	19.11	19.14	20.38	19.49	18.86	223.13
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Category		Apr-30	May-30	Jun-30	Jul-30	Aug-30	Sep-30	Oct-30	Nov-30	Dec-30	Jan-31	Feb-31	Mar-31	Total
HT-IX	Electric Vehicle Charging Stations	0.86	0.86	0.91	0.80	0.78	0.84	2.56	0.81	0.81	0.76	0.71	0.74	11.45
HT Category at 33 kV		875.16	860.06	891.62	839.73	851.62	896.02	1001.99	915.97	933.74	940.62	955.67	942.60	10904.80
HT-I	Industry Segregated	582.68	557.91	574.63	549.26	549.95	571.44	727.62	664.69	673.24	677.52	698.50	686.74	7514.17
HT-I(B)	Ferro Alloys	3.89	3.45	3.42	3.63	3.55	3.76	4.87	5.06	4.58	4.49	4.89	4.84	50.44
HT-II	Others	210.57	225.65	242.13	217.71	227.32	242.71	196.59	191.55	187.39	180.99	176.34	178.91	2477.86
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	47.74	43.29	41.09	43.85	44.24	49.06	47.22	30.42	44.26	54.30	53.19	48.86	547.52
HT-VI	Townships and Residential Colonies	25.79	26.83	27.07	21.29	22.20	23.74	19.68	18.53	17.89	17.42	17.33	18.60	256.38
HT	Temporary Supply	4.48	2.93	3.30	3.99	4.35	5.31	6.02	5.72	6.37	5.90	5.42	4.64	58.43
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		1248.28	1210.54	1214.16	1199.24	1172.49	1216.03	1240.31	1198.27	1228.25	1256.84	1330.47	1347.89	14862.78
HT-I	Industry Segregated	801.99	770.62	798.22	766.34	729.89	760.66	786.74	761.64	773.40	797.05	871.92	897.17	9515.64
HT-I(B)	Ferro Alloys	25.43	23.29	7.76	12.66	16.08	23.42	18.37	21.98	20.36	26.75	31.24	28.62	255.97
HT-II	Others	3.40	3.14	3.17	2.97	2.81	2.91	5.05	4.92	4.53	4.32	4.61	4.41	46.24
HT-III	Airports, Railways and Bus Stations	3.67	6.04	5.03	7.60	12.17	17.31	15.50	16.19	19.42	13.72	4.77	4.48	125.90
HT-IV	Lift Irrigation & Agriculture and CPWS	330.14	329.12	323.49	328.34	329.30	329.03	331.14	309.46	326.72	331.06	333.83	330.09	3931.72
HT-V	Railway Traction	83.65	78.33	76.50	81.33	82.25	82.70	83.52	84.07	83.82	83.92	84.10	83.12	987.31

Category		Apr-30	May-30	Jun-30	Jul-30	Aug-30	Sep-30	Oct-30	Nov-30	Dec-30	Jan-31	Feb-31	Mar-31	Total
HT-VI	Townships and Residential Colonies	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	Temporary Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		6899.70	5807.48	5585.87	5820.94	6409.32	5858.59	6004.01	5206.08	5953.94	6469.72	6564.83	7749.95	74330.42

Annexure – XI(B): TSNPDCL-Allowable month wise sales for FY 2030-31(MU)

Category		Apr-30	May-30	Jun-30	Jul-30	Aug-30	Sep-30	Oct-30	Nov-30	Dec-30	Jan-31	Feb-31	Mar-31	Total
LT Category		1803.18	1145.97	1036.89	1044.00	1547.50	1457.03	1538.00	1009.64	1411.96	1586.21	1700.90	2360.76	17642.02
Category I	Domestic	509.88	575.43	586.16	512.42	447.56	487.54	511.36	481.08	422.50	372.49	368.25	400.48	5675.14
Category II	Non-Domestic/Commercial	128.30	130.12	133.57	120.26	106.11	112.75	111.40	112.77	117.00	120.27	112.94	115.96	1421.47
Category III	Industrial	30.61	30.32	31.43	25.56	21.92	24.56	24.00	24.27	29.26	37.76	34.62	29.23	343.54
Category IV	Cottage Industries & Dhobighats	1.03	0.36	0.30	0.80	1.13	0.65	0.55	0.41	1.08	1.53	1.37	2.18	11.38
Category V	Irrigation & Agriculture	1086.81	364.59	243.03	346.35	933.11	789.92	848.82	343.68	792.77	1004.97	1138.45	1764.24	9656.73
Category VI	Local Bodies, Street Lighting & PWS	36.64	35.24	34.18	30.47	29.04	31.63	36.39	40.65	40.44	41.29	39.75	39.83	435.54
Category VII	General Purpose	8.56	8.47	6.51	6.61	7.09	8.30	4.61	5.88	8.11	6.87	4.53	7.73	83.26
Category VIII	Temporary Supply	1.34	1.44	1.72	1.54	1.54	1.69	0.86	0.89	0.78	1.03	0.99	1.10	14.92
Category IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.05
HT Category at 11 kV		443.39	277.03	306.78	276.07	315.02	370.44	310.60	313.28	346.15	409.93	445.36	416.47	4230.52
HT-I	Industry Segregated	153.94	140.30	170.01	127.23	145.77	158.92	158.83	199.30	203.32	202.96	200.77	164.69	2026.03
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Category		Apr-30	May-30	Jun-30	Jul-30	Aug-30	Sep-30	Oct-30	Nov-30	Dec-30	Jan-31	Feb-31	Mar-31	Total
HT-II	Others	25.23	28.07	29.61	22.08	24.69	25.55	19.84	20.15	17.75	15.93	16.12	19.27	264.28
HT-III	Airports, Railways and Bus Stations	0.83	0.81	0.81	0.74	0.76	0.78	0.79	0.85	0.83	0.83	0.80	0.77	9.61
HT-IV	Lift Irrigation & Agriculture and CPWS	59.51	16.82	12.38	23.21	21.51	30.40	23.24	23.12	20.55	37.29	53.04	58.32	379.39
HT-VI	Townships and Residential Colonies	1.34	0.51	0.48	0.81	0.99	0.71	0.59	0.49	0.76	1.26	1.13	1.27	10.33
HT	Temporary Supply	2.36	3.07	3.14	2.85	4.04	4.43	3.15	3.03	3.03	3.22	3.50	2.97	38.80
HT	RESCOs	200.18	87.45	90.34	99.16	117.28	149.64	104.16	66.35	99.91	148.44	169.99	169.18	1502.08
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 33 kV		104.93	75.61	69.26	60.24	104.10	93.37	90.64	78.25	68.10	81.29	74.25	94.42	994.44
HT-I	Industry Segregated	13.59	8.77	8.36	7.77	9.55	11.32	17.00	16.59	15.25	15.00	14.21	12.48	149.87
HT-I(B)	Ferro Alloys	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	20.87
HT-II	Others	1.25	0.46	0.03	0.08	0.53	0.30	0.28	0.22	0.31	0.72	0.97	1.13	6.29
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	84.95	61.63	55.93	48.11	89.86	77.29	67.60	56.22	47.74	60.77	55.13	76.87	782.08
HT-VI	Townships and Residential Colonies	2.61	2.93	3.13	2.50	2.37	2.67	3.31	2.70	2.37	2.36	1.45	1.63	30.03
HT	Temporary Supply	0.80	0.08	0.07	0.04	0.05	0.05	0.71	0.78	0.70	0.70	0.75	0.57	5.29
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		189.05	200.08	250.37	368.80	434.94	517.55	564.25	590.90	583.69	588.38	403.40	297.47	4988.87

Category		Apr-30	May-30	Jun-30	Jul-30	Aug-30	Sep-30	Oct-30	Nov-30	Dec-30	Jan-31	Feb-31	Mar-31	Total
HT-I	Industry Segregated	58.15	66.41	63.62	61.62	60.70	64.74	63.59	74.49	60.99	61.38	62.67	49.52	747.88
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II	Others	0.45	0.41	0.13	0.70	2.15	1.14	1.50	1.59	1.40	1.38	0.74	0.35	11.93
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	39.80	37.46	91.34	222.45	283.18	360.83	417.73	433.23	444.45	440.71	255.94	165.52	3192.66
HT-V	Railway Traction	80.03	83.99	84.01	75.00	79.06	81.71	72.39	73.26	69.63	78.17	76.74	73.83	927.83
HT-VI	Townships and Residential Colonies	10.51	11.69	11.15	8.90	9.72	9.02	8.94	8.21	7.10	6.62	7.19	8.13	107.18
HT	Temporary Supply	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	1.39
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		2540.56	1698.68	1663.29	1749.11	2401.56	2438.38	2503.49	1992.06	2409.90	2665.81	2623.91	3169.11	27855.86

Annexure – XI(C): TSDISCOMs-Allowable month wise sales for FY 2030-31(MU)

Category		Apr-30	May-30	Jun-30	Jul-30	Aug-30	Sep-30	Oct-30	Nov-30	Dec-30	Jan-31	Feb-31	Mar-31	Total
LT Category		5807.82	4176.49	3798.76	4139.34	5220.71	4481.17	4537.36	3299.41	4407.65	5059.24	5164.52	7026.44	57118.91
Category I	Domestic	2098.21	2168.53	1956.42	1746.94	1725.15	1680.53	1746.66	1559.33	1452.98	1411.65	1421.80	1868.56	20836.74
Category II	Non-Domestic/Commercial	541.72	500.15	506.41	480.60	485.95	492.57	517.14	504.35	491.28	486.05	501.03	472.06	5979.31
Category III	Industrial	142.45	134.82	139.82	133.42	130.47	124.26	131.39	140.95	160.66	157.80	150.90	149.04	1695.98
Category IV	Cottage Industries & Dhobighats	2.26	1.50	1.45	1.92	2.23	1.74	1.75	1.56	2.30	2.60	2.42	3.45	25.18
Category V	Irrigation & Agriculture	2904.19	1259.35	1088.52	1675.23	2773.74	2076.67	2031.41	979.28	2181.93	2885.47	2974.27	4404.44	27234.50
Category VI	Local Bodies, Street Lighting & PWS	83.75	80.31	76.78	72.01	72.13	73.78	83.81	87.27	88.65	88.37	85.06	90.40	982.32

Category		Apr-30	May-30	Jun-30	Jul-30	Aug-30	Sep-30	Oct-30	Nov-30	Dec-30	Jan-31	Feb-31	Mar-31	Total
Category VII	General Purpose	20.56	17.83	15.47	15.95	17.21	17.60	13.87	15.81	18.02	15.06	16.14	22.95	206.46
Category VIII	Temporary Supply	14.46	13.76	13.64	13.02	13.55	13.73	11.09	10.53	11.50	11.84	12.42	15.00	154.55
Category IX	Electric Vehicle Charging Stations	0.23	0.23	0.24	0.24	0.29	0.29	0.25	0.33	0.33	0.40	0.49	0.55	3.87
HT Category at 11 kV		1215.02	983.38	1024.98	962.70	1027.02	1092.83	1072.95	1115.35	1142.41	1209.16	1260.42	1210.25	13316.47
HT-I	Industry Segregated	611.59	554.81	602.07	548.10	579.58	592.96	601.46	683.67	698.48	703.26	709.15	642.13	7527.26
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41
HT-II	Others	249.18	238.81	235.11	215.16	223.83	229.25	253.45	256.95	238.43	224.57	231.93	246.47	2843.12
HT-III	Airports, Railways and Bus Stations	1.73	1.04	0.97	0.92	1.31	1.53	1.49	1.77	1.36	2.06	2.20	2.20	18.59
HT-IV	Lift Irrigation & Agriculture and CPWS	93.44	42.69	37.56	49.08	50.16	62.66	56.41	52.99	51.65	75.35	92.14	96.99	761.12
HT-VI	Townships and Residential Colonies	37.73	37.44	36.60	30.71	31.95	32.31	30.39	30.67	29.59	31.12	31.29	30.71	390.52
HT	Temporary Supply	20.32	20.28	21.42	18.78	21.73	23.64	23.03	22.14	22.17	23.60	23.00	21.83	261.92
HT	RESCOs	200.18	87.45	90.34	99.16	117.28	149.64	104.16	66.35	99.91	148.44	169.99	169.18	1502.08
HT-IX	Electric Vehicle Charging Stations	0.86	0.86	0.91	0.80	0.78	0.84	2.56	0.81	0.81	0.76	0.71	0.74	11.45
HT Category at 33 kV		980.09	935.67	960.88	899.97	955.72	989.39	1092.63	994.22	1001.84	1021.91	1029.92	1037.02	11899.24
HT-I	Industry Segregated	596.27	566.68	582.99	557.03	559.50	582.76	744.61	681.28	688.49	692.52	712.71	699.22	7664.04
HT-I(B)	Ferro Alloys	5.63	5.19	5.16	5.36	5.29	5.50	6.61	6.80	6.32	6.23	6.63	6.58	71.31
HT-II	Others	211.83	226.11	242.16	217.79	227.86	243.01	196.88	191.77	187.70	181.71	177.31	180.05	2484.16
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Category		Apr-30	May-30	Jun-30	Jul-30	Aug-30	Sep-30	Oct-30	Nov-30	Dec-30	Jan-31	Feb-31	Mar-31	Total
HT-IV	Lift Irrigation & Agriculture and CPWS	132.69	104.92	97.01	91.96	134.10	126.36	114.82	86.63	92.00	115.07	108.31	125.73	1329.60
HT-VI	Townships and Residential Colonies	28.40	29.76	30.20	23.79	24.57	26.41	22.99	21.23	20.26	19.78	18.78	20.23	286.41
HT	Temporary Supply	5.28	3.01	3.37	4.03	4.40	5.36	6.73	6.50	7.07	6.60	6.18	5.21	63.72
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		1437.33	1410.62	1464.54	1568.04	1607.43	1733.59	1804.56	1789.17	1811.94	1845.21	1733.87	1645.35	19851.65
HT-I	Industry Segregated	860.14	837.03	861.84	827.96	790.59	825.40	850.32	836.13	834.39	858.43	934.59	946.69	10263.52
HT-I(B)	Ferro Alloys	25.43	23.29	7.76	12.66	16.08	23.42	18.37	21.98	20.36	26.75	31.24	28.62	255.97
HT-II	Others	3.85	3.55	3.30	3.67	4.96	4.05	6.55	6.50	5.94	5.70	5.34	4.76	58.17
HT-III	Airports, Railways and Bus Stations	3.67	6.04	5.03	7.60	12.17	17.31	15.50	16.19	19.42	13.72	4.77	4.48	125.90
HT-IV	Lift Irrigation & Agriculture and CPWS	369.94	366.59	414.83	550.80	612.48	689.86	748.86	742.70	771.17	771.78	589.78	495.61	7124.38
HT-V	Railway Traction	163.68	162.32	160.51	156.33	161.31	164.41	155.91	157.33	153.45	162.10	160.83	156.95	1915.14
HT-VI	Townships and Residential Colonies	10.51	11.69	11.15	8.90	9.72	9.02	8.94	8.21	7.10	6.62	7.19	8.13	107.18
HT	Temporary Supply	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	1.39
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		9440.26	7506.16	7249.16	7570.05	8810.88	8296.97	8507.50	7198.14	8363.83	9135.52	9188.73	10919.06	102186.28

Annexure – XI(D): Energy Availability for FY 2030-31(MU)

Sl. No.	Name of the Station	Apr-30	May-30	Jun-30	Jul-30	Aug-30	Sep-30	Oct-30	Nov-30	Dec-30	Jan-31	Feb-31	Mar-31	Total
A	TSGenco-Thermal													
1	KTPS-V	270.58	279.60	270.58	229.94	181.01	263.24	279.60	270.58	279.60	279.60	257.14	279.60	3141.08
2	KTPS-VI	265.26	274.10	265.26	274.10	274.10	265.26	274.10	265.26	224.17	233.25	252.11	274.10	3141.08
3	KTPS-VII	339.51	350.82	339.51	350.82	350.82	339.51	350.82	339.51	350.82	350.82	322.52	350.82	4136.30
4	RTS-B	24.66	25.48	24.66	25.48	25.48	24.66	25.48	18.56	16.77	25.48	23.43	25.48	285.63
5	KTPP-I	251.75	260.15	251.75	260.15	260.15	251.75	260.15	251.75	260.15	260.15	239.16	260.15	3067.21
6	KTPP-II	323.25	334.03	151.26	248.03	334.03	323.25	334.03	323.25	334.03	334.03	307.44	334.03	3680.65
7	BTPS	618.04	638.64	618.04	543.29	628.07	618.04	638.64	618.04	585.59	585.76	587.13	638.64	7317.93
8	YTPS	2292.41	2368.82	2292.41	2368.82	2368.82	2292.41	2368.82	2292.41	2368.82	2368.82	2139.58	2368.82	27891.00
	Sub-total	4385.46	4531.65	4213.47	4300.64	4422.49	4378.12	4531.65	4379.36	4419.95	4437.92	4128.51	4531.65	52660.87
B	TSGenco-Inter State													
1	PJHES	-0.06	-0.07	17.67	18.70	59.73	68.58	60.13	28.69	10.86	12.90	-0.07	-0.07	277.00
	Sub-total	-0.06	-0.07	17.67	18.70	59.73	68.58	60.13	28.69	10.86	12.90	-0.07	-0.07	277.00
C	TSGenco-Hydel													
1	Nagarjuna Sagar complex	30.96	22.24	32.24	114.83	230.99	224.00	244.78	153.40	76.39	68.79	49.63	42.46	1290.69
2	SLBHES	23.28	9.90	21.00	109.84	248.98	243.00	235.82	77.00	41.92	58.09	43.38	11.73	1123.94
3	LJHES	0.00	-0.07	9.13	24.86	48.25	67.12	54.90	23.33	9.52	5.84	-0.04	0.07	242.90
4	PCHES	17.20	1.65	0.21	19.25	61.94	72.48	75.09	59.77	26.75	19.89	22.56	21.16	397.95
5	Pochampad II	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Small Hydel (Singur, Nizam, Pochampad I, Palliar)	5.28	-0.03	0.26	5.51	12.21	19.76	21.86	6.75	5.00	10.16	9.62	11.52	107.90
7	Mini Hydel (Peddapalli)	0.26	-0.01	-0.01	-0.01	0.20	0.34	0.33	0.10	0.00	0.36	0.35	0.52	2.44
	Sub-total	76.99	33.67	62.83	274.27	602.57	626.69	632.77	320.36	159.58	163.13	125.50	87.45	3165.82
	Total TSGenco	4462.39	4565.25	4293.96	4593.61	5084.79	5073.39	5224.55	4728.41	4590.40	4613.95	4253.95	4619.04	56103.69
A	CGS-Thermal													

Sl. No.	Name of the Station	Apr-30	May-30	Jun-30	Jul-30	Aug-30	Sep-30	Oct-30	Nov-30	Dec-30	Jan-31	Feb-31	Mar-31	Total
1	NTPC Ramagundam Stage I & II	182.80	188.89	188.15	198.66	198.66	168.60	189.04	179.83	155.58	198.66	178.01	194.01	2220.90
2	NTPC Ramagundam Stage III	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	NTPC Talcher TPS II	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	NTPC Simhadri Stage I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	NTPC Simhadri Stage II	116.57	120.44	85.14	92.97	120.44	116.57	120.44	116.57	120.44	120.44	108.82	120.44	1359.30
6	NTPC Kudgi	70.21	72.55	58.47	72.14	48.37	57.74	72.55	70.21	72.55	72.55	65.53	72.55	805.42
7	NLC TPS II Stage I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	NLC TPS II Stage II	3.57	3.54	2.90	3.67	3.28	3.57	2.88	3.10	2.75	3.20	3.39	3.69	39.54
9	NNTPP	34.71	35.96	27.72	35.57	35.57	34.38	27.15	24.73	20.44	31.29	33.02	35.75	376.28
10	Neyveli new Unit-1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Neyveli new Unit-2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	TSTPP Unit 1	141.68	146.40	141.68	292.80	292.80	283.35	637.80	617.23	637.80	982.81	897.14	982.81	6054.29
13	NTECL Vallur TPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	NLC Tamil Nadu Power Ltd.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sub-total	549.54	567.78	504.05	695.82	699.12	664.21	1049.85	1011.67	1009.57	1408.96	1285.91	1409.24	10855.73
B	CGS-Nuclear													
1	NPC Madras APS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	NPC Kaiga APS Units 1 & 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	NPC Kaiga APS Units 3 & 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	NPC Kudankulam	16.20	16.75	16.20	16.75	16.75	16.20	16.75	16.20	12.31	8.15	0.14	8.60	161.02
5	NPC Kudankulam NPP Unit 2	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	161.02
	Sub-total	29.62	30.17	29.62	30.17	30.17	29.62	30.17	29.62	25.73	21.57	13.56	22.01	322.04

Sl. No.	Name of the Station	Apr-30	May-30	Jun-30	Jul-30	Aug-30	Sep-30	Oct-30	Nov-30	Dec-30	Jan-31	Feb-31	Mar-31	Total
C	Bundled Power (Coal)													
1	JNNSM Phase 1	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	45.43
2	NTPC	66.09	68.29	66.09	68.29	68.29	66.09	68.29	66.09	68.29	68.29	62.74	68.29	805.11
	Sub-total	69.87	72.08	69.87	72.08	72.08	69.87	72.08	69.87	72.08	72.08	66.53	72.08	850.55
	Total CGS	649.03	670.03	603.55	798.06	801.36	763.70	1152.10	1111.16	1107.37	1502.61	1366.01	1503.33	12028.32
A	Others													
1	SEIL (LT 1)	165.21	170.72	165.21	170.72	170.72	165.21	170.72	130.12	153.17	170.72	154.20	170.72	1957.46
2	SEIL (LT 2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	STPP	775.57	801.43	775.57	801.43	400.72	464.98	801.43	775.57	801.43	801.43	738.34	801.43	8739.33
4	CSPDCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	PTC (MT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Others	940.79	972.15	940.79	972.15	571.44	630.19	972.15	905.69	954.60	972.15	892.54	972.15	10696.80
C	NCE													
1	Biomass	3.64	2.36	1.56	2.76	1.50	1.33	4.53	3.89	3.30	4.55	5.04	3.80	38.26
2	Bagasse	0.00	0.00	0.00	0.00	0.00	0.00	12.97	15.70	80.58	86.55	70.22	30.96	296.98
3	Municipal waste	34.29	34.22	34.24	34.21	28.54	34.25	34.17	34.26	26.22	34.75	32.78	31.03	392.94
4	Industrial waste	9.39	13.18	15.34	14.66	12.69	13.22	7.46	2.57	3.86	7.98	10.25	10.57	121.17
5	Wind	19.11	19.69	30.70	33.82	30.91	23.01	12.17	24.36	24.13	20.01	22.55	17.03	277.52
6	Mini Hydel	0.00	0.00	0.00	0.92	1.51	1.87	3.52	2.06	0.73	0.66	0.43	0.00	11.71
7	Solar	599.72	566.24	550.46	413.87	433.70	468.56	475.82	506.31	503.44	516.98	618.97	568.06	6222.13
8	Solar (JNNSM Phase I)	713.86	618.02	524.53	324.40	322.12	386.86	410.09	255.89	329.52	538.07	697.49	867.18	5988.04
9	Solar (NTPC)	102.73	100.30	92.92	70.12	83.91	83.92	84.77	82.15	92.28	92.46	104.51	103.85	1093.91
10	Solar (SECI)	171.98	177.72	267.75	276.68	276.68	267.75	276.68	267.75	276.68	276.68	249.92	276.68	3062.93
11	Solar (NTPC, NHPC CPSU) Tr-III 1545 MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Solar (PM KUSUM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Sl. No.	Name of the Station	Apr-30	May-30	Jun-30	Jul-30	Aug-30	Sep-30	Oct-30	Nov-30	Dec-30	Jan-31	Feb-31	Mar-31	Total
13	Solar (NTPC CPSU)Tr-I &II 1692 MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Solar (SECI ISTS-IX)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total NCE	1654.72	1531.74	1517.50	1171.44	1191.56	1280.76	1322.17	1194.94	1340.73	1578.69	1812.17	1909.16	17505.58
	Grand total	7706.93	7739.17	7355.79	7535.27	7649.15	7748.04	8670.97	7940.21	7993.11	8667.41	8324.66	9003.69	96334.39

Annexure – XI(E): Energy Balance for FY 2030-31(MU)

Particular	Apr-30	May-30	Jun-30	Jul-30	Aug-30	Sep-30	Oct-30	Nov-30	Dec-30	Jan-31	Feb-31	Mar-31	Total
Total Energy Requirement at State Periphery TSNPDCL	2906.40	2446.32	2352.96	2451.99	2699.83	2467.85	2529.10	2192.98	2508.01	2725.27	2765.34	3264.55	31310.61
Total Energy Requirement at State Periphery TSSPDCL	7633.23	5103.77	4997.44	5255.27	7215.60	7326.24	7521.85	5985.25	7240.64	8009.54	7883.65	9521.75	83694.24
Total Energy Requirement	10539.63	7550.09	7350.41	7707.26	9915.43	9794.09	10050.96	8178.23	9748.65	10734.82	10648.99	12786.30	115004.85
Energy Availability for TS DISCOM for FY 24-25	7706.93	7739.17	7355.79	7535.27	7649.15	7748.04	8670.97	7940.21	7993.11	8667.41	8324.66	9003.69	96334.39
Energy Surplus/Deficit	-2832.70	189.08	5.39	-171.98	-2266.28	-2046.05	-1379.98	-238.02	-1755.55	-2067.41	-2324.33	-3782.61	-18670.46

Annexure – XII(A): TSSPDCL-Allowable month wise sales for FY 2031-32(MU)

Category		Apr-31	May-31	Jun-31	Jul-31	Aug-31	Sep-31	Oct-31	Nov-31	Dec-31	Jan-32	Feb-32	Mar-32	Total
LT Category		4175.41	3162.28	2881.49	3227.38	3828.68	3153.12	3127.60	2388.57	3122.33	3618.83	3609.23	4861.87	41156.80
Category I	Domestic	1662.25	1667.24	1434.03	1291.98	1337.04	1248.51	1292.79	1128.43	1078.44	1087.52	1102.58	1536.40	15867.24
Category II	Non-Domestic/Commercial	431.12	385.88	388.82	375.78	396.12	396.09	423.12	408.36	390.31	381.45	404.71	371.36	4753.13
Category III	Industrial	116.31	108.68	112.72	112.18	112.89	103.70	111.68	121.35	136.65	124.84	120.93	124.60	1406.53
Category IV	Cottage Industries & Dhobighats	1.27	1.18	1.20	1.16	1.15	1.14	1.25	1.19	1.27	1.11	1.10	1.32	14.36
Category V	Irrigation & Agriculture	1890.08	930.55	879.32	1382.04	1914.26	1338.22	1229.90	661.02	1444.73	1955.72	1909.25	2745.81	18280.89

Category		Apr-31	May-31	Jun-31	Jul-31	Aug-31	Sep-31	Oct-31	Nov-31	Dec-31	Jan-32	Feb-32	Mar-32	Total
Category VI	Local Bodies, Street Lighting & PWS	48.05	45.97	43.46	42.37	43.95	43.00	48.36	47.56	49.17	48.03	46.22	51.57	557.71
Category VII	General Purpose	12.42	9.70	9.28	9.67	10.47	9.63	9.58	10.28	10.26	8.48	12.02	15.75	127.54
Category VIII	Temporary Supply	13.64	12.81	12.40	11.94	12.49	12.53	10.64	10.02	11.15	11.25	11.89	14.46	145.22
Category IX	Electric Vehicle Charging Stations	0.25	0.25	0.25	0.26	0.31	0.32	0.27	0.35	0.36	0.43	0.52	0.59	4.17
HT Category at 11 kV		801.04	733.17	745.38	712.48	738.89	749.86	791.16	832.03	826.04	829.54	845.96	823.87	9429.43
HT-I	Industry Segregated	473.38	428.77	446.92	435.34	448.73	448.96	457.85	501.03	512.19	517.51	525.86	493.86	5690.41
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41
HT-II	Others	231.14	217.50	212.10	199.28	205.53	210.24	241.11	244.40	227.76	215.33	222.75	234.49	2661.63
HT-III	Airports, Railways and Bus Stations	0.98	0.25	0.17	0.20	0.59	0.81	0.75	0.99	0.58	1.32	1.51	1.55	9.70
HT-IV	Lift Irrigation & Agriculture and CPWS	36.64	27.94	27.19	27.94	30.95	34.84	35.82	32.26	33.58	41.11	42.22	41.76	412.26
HT-VI	Townships and Residential Colonies	39.30	39.89	39.01	32.29	33.44	34.13	32.19	32.60	31.14	32.25	32.57	31.79	410.60
HT	Temporary Supply	18.67	17.90	19.01	16.57	18.40	19.98	20.67	19.87	19.90	21.19	20.27	19.62	232.05
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.93	0.93	0.98	0.86	0.84	0.90	2.76	0.87	0.88	0.82	0.77	0.80	12.36
HT Category at 33 kV		918.55	903.64	937.03	881.98	894.85	941.84	1048.38	958.45	977.20	984.41	999.62	986.11	11432.05
HT-I	Industry Segregated	601.48	575.92	593.17	566.99	567.70	589.88	751.10	686.14	694.96	699.38	721.04	708.90	7756.66
HT-I(B)	Ferro Alloys	3.97	3.52	3.48	3.70	3.62	3.83	4.96	5.16	4.67	4.58	4.98	4.93	51.41
HT-II	Others	229.03	245.42	263.34	236.79	247.24	263.97	213.82	208.33	203.82	196.85	191.79	194.59	2695.00
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Category		Apr-31	May-31	Jun-31	Jul-31	Aug-31	Sep-31	Oct-31	Nov-31	Dec-31	Jan-32	Feb-32	Mar-32	Total
HT-IV	Lift Irrigation & Agriculture and CPWS	51.56	46.75	44.37	47.36	47.78	52.99	51.00	32.85	47.80	58.65	57.44	52.77	591.32
HT-VI	Townships and Residential Colonies	27.85	28.98	29.23	23.00	23.98	25.64	21.25	20.02	19.32	18.81	18.72	20.08	276.89
HT	Temporary Supply	4.66	3.05	3.43	4.15	4.53	5.52	6.26	5.95	6.62	6.14	5.64	4.83	60.77
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		1359.75	1318.61	1323.82	1306.93	1277.26	1324.39	1351.14	1305.13	1337.83	1368.76	1449.26	1468.64	16191.52
HT-I	Industry Segregated	879.42	845.02	875.28	840.32	800.35	834.10	862.69	835.17	848.07	874.00	956.10	983.78	10434.29
HT-I(B)	Ferro Alloys	26.07	23.88	7.95	12.98	16.49	24.02	18.84	22.54	20.87	27.43	32.04	29.35	262.46
HT-II	Others	3.40	3.14	3.17	2.97	2.81	2.91	5.05	4.92	4.53	4.32	4.61	4.41	46.24
HT-III	Airports, Railways and Bus Stations	3.97	6.52	5.43	8.21	13.15	18.70	16.74	17.49	20.97	14.82	5.15	4.84	135.97
HT-IV	Lift Irrigation & Agriculture and CPWS	356.55	355.45	349.37	354.61	355.64	355.35	357.63	334.22	352.86	357.55	360.54	356.50	4246.26
HT-V	Railway Traction	90.34	84.59	82.62	87.84	88.83	89.32	90.20	90.80	90.53	90.64	90.83	89.77	1066.29
HT-VI	Townships and Residential Colonies	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	Temporary Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		7254.74	6117.70	5887.73	6128.77	6739.68	6169.21	6318.28	5484.18	6263.40	6801.54	6904.06	8140.50	78209.79

Annexure – XII(B): TSNPDCL-Allowable month wise sales for FY 2031-32(MU)

Category		Apr-31	May-31	Jun-31	Jul-31	Aug-31	Sep-31	Oct-31	Nov-31	Dec-31	Jan-32	Feb-32	Mar-32	Total
LT Category		1861.81	1188.57	1076.91	1082.65	1597.79	1505.81	1589.13	1046.67	1458.78	1637.02	1754.33	2431.84	18231.30
Category I	Domestic	530.67	598.90	610.07	533.32	465.82	507.42	532.22	500.71	439.73	387.69	383.27	416.81	5906.63
Category II	Non-Domestic/Commercial	135.36	137.28	140.92	126.87	111.95	118.96	117.53	118.98	123.44	126.89	119.15	122.34	1499.67
Category III	Industrial	31.84	31.53	32.69	26.58	22.79	25.54	24.96	25.24	30.44	39.27	36.00	30.40	357.28
Category IV	Cottage Industries & Dhobighats	1.07	0.37	0.30	0.83	1.16	0.67	0.56	0.42	1.12	1.58	1.41	2.25	11.74
Category V	Irrigation & Agriculture	1114.99	374.04	249.33	355.34	957.31	810.41	870.84	352.60	813.33	1031.03	1167.98	1809.99	9907.19
Category VI	Local Bodies, Street Lighting & PWS	37.59	36.16	35.06	31.26	29.79	32.45	37.34	41.70	41.49	42.36	40.78	40.87	446.85
Category VII	General Purpose	8.88	8.78	6.75	6.85	7.36	8.61	4.78	6.10	8.41	7.12	4.70	8.02	86.37
Category VIII	Temporary Supply	1.39	1.50	1.79	1.60	1.60	1.75	0.89	0.93	0.81	1.07	1.03	1.14	15.51
Category IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.05
HT Category at 11 kV		470.70	294.96	326.97	293.73	334.95	393.60	331.04	335.58	369.82	436.97	474.51	443.14	4505.98
HT-I	Industry Segregated	166.82	152.04	184.24	137.88	157.96	172.22	172.12	215.97	220.33	219.94	217.57	178.47	2195.57
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II	Others	26.16	29.10	30.70	22.89	25.60	26.49	20.57	20.89	18.40	16.52	16.71	19.98	274.01
HT-III	Airports, Railways and Bus Stations	0.85	0.83	0.83	0.75	0.78	0.80	0.81	0.87	0.85	0.85	0.82	0.78	9.81
HT-IV	Lift Irrigation & Agriculture and CPWS	64.86	18.33	13.50	25.29	23.44	33.14	25.34	25.20	22.40	40.64	57.82	63.57	413.54
HT-VI	Townships and Residential Colonies	1.36	0.52	0.49	0.83	1.01	0.72	0.60	0.50	0.78	1.28	1.16	1.30	10.54
HT	Temporary Supply	2.46	3.20	3.26	2.96	4.20	4.61	3.28	3.15	3.15	3.35	3.64	3.09	40.35
HT	RESCOs	208.19	90.95	93.95	103.12	121.97	155.63	108.32	69.00	103.91	154.37	176.79	175.95	1562.16

Category		Apr-31	May-31	Jun-31	Jul-31	Aug-31	Sep-31	Oct-31	Nov-31	Dec-31	Jan-32	Feb-32	Mar-32	Total
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 33 kV		112.66	81.22	74.35	64.62	112.24	100.38	96.82	83.39	72.47	86.83	79.27	101.39	1065.64
HT-I	Industry Segregated	13.59	8.77	8.36	7.77	9.55	11.32	17.00	16.59	15.25	15.00	14.21	12.48	149.87
HT-I(B)	Ferro Alloys	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	20.87
HT-II	Others	1.25	0.46	0.03	0.08	0.53	0.30	0.28	0.22	0.31	0.72	0.97	1.13	6.29
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	92.60	67.18	60.96	52.44	97.95	84.25	73.68	61.28	52.03	66.23	60.09	83.79	852.46
HT-VI	Townships and Residential Colonies	2.66	2.99	3.20	2.55	2.42	2.72	3.38	2.75	2.42	2.41	1.48	1.67	30.64
HT	Temporary Supply	0.83	0.08	0.07	0.04	0.05	0.05	0.74	0.81	0.73	0.72	0.78	0.59	5.50
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		197.51	208.60	263.70	393.41	465.35	555.03	606.35	634.48	627.99	632.81	431.10	316.81	5333.12
HT-I	Industry Segregated	58.37	66.66	63.86	61.86	60.93	64.98	63.82	74.77	61.22	61.61	62.91	49.70	750.68
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II	Others	0.48	0.43	0.14	0.74	2.28	1.21	1.59	1.68	1.49	1.47	0.78	0.37	12.68
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	43.38	40.84	99.56	242.48	308.67	393.31	455.32	472.23	484.45	480.38	278.98	180.42	3480.00
HT-V	Railway Traction	84.45	88.62	88.65	79.14	83.42	86.22	76.38	77.30	73.47	82.49	80.97	77.91	979.00

Category		Apr-31	May-31	Jun-31	Jul-31	Aug-31	Sep-31	Oct-31	Nov-31	Dec-31	Jan-32	Feb-32	Mar-32	Total
HT-VI	Townships and Residential Colonies	10.72	11.92	11.37	9.08	9.92	9.20	9.11	8.38	7.24	6.75	7.34	8.29	109.32
HT	Temporary Supply	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	1.45
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		2642.68	1773.34	1741.94	1834.41	2510.32	2554.82	2623.34	2100.12	2529.06	2793.62	2739.20	3293.18	29136.05

Annexure – XII(C): TSDISCOMs-Allowable month wise sales for FY 2031-32(MU)

Category		Apr-31	May-31	Jun-31	Jul-31	Aug-31	Sep-31	Oct-31	Nov-31	Dec-31	Jan-32	Feb-32	Mar-32	Total
LT Category		6037.22	4350.85	3958.41	4310.04	5426.47	4658.93	4716.72	3435.24	4581.11	5255.84	5363.56	7293.71	59388.10
Category I	Domestic	2192.92	2266.14	2044.10	1825.30	1802.86	1755.94	1825.01	1629.14	1518.17	1475.21	1485.85	1953.22	21773.86
Category II	Non-Domestic/Commercial	566.49	523.16	529.74	502.66	508.06	515.05	540.65	527.33	513.76	508.34	523.87	493.70	6252.81
Category III	Industrial	148.15	140.22	145.41	138.76	135.69	129.24	136.64	146.59	167.08	164.11	156.93	155.00	1763.82
Category IV	Cottage Industries & Dhobighats	2.34	1.55	1.51	1.99	2.31	1.81	1.81	1.62	2.39	2.69	2.51	3.57	26.10
Category V	Irrigation & Agriculture	3005.07	1304.60	1128.64	1737.37	2871.57	2148.63	2100.73	1013.62	2258.06	2986.75	3077.23	4555.81	28188.08
Category VI	Local Bodies, Street Lighting & PWS	85.64	82.13	78.52	73.63	73.74	75.45	85.70	89.26	90.66	90.38	87.00	92.44	1004.56
Category VII	General Purpose	21.31	18.48	16.03	16.53	17.83	18.23	14.37	16.38	18.67	15.60	16.72	23.77	213.91
Category VIII	Temporary Supply	15.04	14.31	14.19	13.54	14.09	14.28	11.53	10.95	11.96	12.32	12.92	15.60	160.74
Category IX	Electric Vehicle Charging Stations	0.25	0.26	0.26	0.26	0.31	0.32	0.27	0.36	0.36	0.44	0.53	0.60	4.22
HT Category at 11 kV		1271.74	1028.14	1072.36	1006.21	1073.85	1143.46	1122.20	1167.61	1195.86	1266.51	1320.47	1267.01	13935.41
HT-I	Industry Segregated	640.21	580.81	631.16	573.21	606.70	621.18	629.98	717.00	732.53	737.45	743.43	672.33	7885.97
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41

Category		Apr-31	May-31	Jun-31	Jul-31	Aug-31	Sep-31	Oct-31	Nov-31	Dec-31	Jan-32	Feb-32	Mar-32	Total
HT-II	Others	257.30	246.61	242.80	222.17	231.13	236.73	261.68	265.30	246.16	231.85	239.45	254.47	2935.64
HT-III	Airports, Railways and Bus Stations	1.82	1.08	1.00	0.95	1.37	1.61	1.56	1.86	1.42	2.17	2.33	2.34	19.51
HT-IV	Lift Irrigation & Agriculture and CPWS	101.51	46.27	40.69	53.24	54.39	67.98	61.16	57.46	55.98	81.76	100.04	105.33	825.80
HT-VI	Townships and Residential Colonies	40.66	40.40	39.50	33.12	34.44	34.86	32.79	33.10	31.92	33.54	33.73	33.09	421.14
HT	Temporary Supply	21.13	21.09	22.27	19.53	22.60	24.58	23.95	23.02	23.06	24.54	23.92	22.71	272.40
HT	RESCOs	208.19	90.95	93.95	103.12	121.97	155.63	108.32	69.00	103.91	154.37	176.79	175.95	1562.16
HT-IX	Electric Vehicle Charging Stations	0.93	0.93	0.98	0.86	0.84	0.90	2.76	0.87	0.88	0.82	0.77	0.80	12.36
HT Category at 33 kV		1031.21	984.85	1011.39	946.60	1007.08	1042.22	1145.20	1041.84	1049.67	1071.24	1078.89	1087.51	12497.69
HT-I	Industry Segregated	615.07	584.69	601.53	574.75	577.25	601.20	768.10	702.73	710.21	714.39	735.25	721.38	7906.53
HT-I(B)	Ferro Alloys	5.70	5.26	5.22	5.43	5.36	5.57	6.70	6.90	6.41	6.32	6.72	6.67	72.28
HT-II	Others	230.28	245.88	263.37	236.87	247.78	264.28	214.10	208.55	204.12	197.57	192.76	195.72	2701.29
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	144.15	113.93	105.33	99.80	145.72	137.24	124.68	94.13	99.84	124.88	117.53	136.56	1443.79
HT-VI	Townships and Residential Colonies	30.52	31.97	32.43	25.55	26.40	28.36	24.63	22.77	21.74	21.22	20.20	21.75	307.52
HT	Temporary Supply	5.49	3.13	3.50	4.19	4.58	5.57	7.00	6.76	7.35	6.86	6.42	5.42	66.27
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		1557.25	1527.21	1587.52	1700.34	1742.61	1879.42	1957.50	1939.61	1965.82	2001.57	1880.35	1785.45	21524.64
HT-I	Industry Segregated	937.78	911.67	939.14	902.18	861.28	899.08	926.51	909.94	909.29	935.61	1019.00	1033.49	11184.96

Category		Apr-31	May-31	Jun-31	Jul-31	Aug-31	Sep-31	Oct-31	Nov-31	Dec-31	Jan-32	Feb-32	Mar-32	Total
HT-I(B)	Ferro Alloys	26.07	23.88	7.95	12.98	16.49	24.02	18.84	22.54	20.87	27.43	32.04	29.35	262.46
HT-II	Others	3.87	3.58	3.31	3.72	5.09	4.12	6.64	6.60	6.02	5.79	5.39	4.78	58.92
HT-III	Airports, Railways and Bus Stations	3.97	6.52	5.43	8.21	13.15	18.70	16.74	17.49	20.97	14.82	5.15	4.84	135.97
HT-IV	Lift Irrigation & Agriculture and CPWS	399.93	396.29	448.93	597.09	664.31	748.65	812.95	806.44	837.31	837.92	639.52	536.91	7726.26
HT-V	Railway Traction	174.79	173.22	171.27	166.97	172.25	175.53	166.58	168.10	163.99	173.12	171.79	167.67	2045.29
HT-VI	Townships and Residential Colonies	10.72	11.92	11.37	9.08	9.92	9.20	9.11	8.38	7.24	6.75	7.34	8.29	109.32
HT	Temporary Supply	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	1.45
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		9897.42	7891.04	7629.67	7963.18	9250.01	8724.03	8941.62	7584.31	8792.46	9595.16	9643.26	11433.67	107345.84

Annexure – XII(D): Energy Availability for FY 2031-32(MU)

Sl. No.	Name of the Station	Apr-31	May-31	Jun-31	Jul-31	Aug-31	Sep-31	Oct-31	Nov-31	Dec-31	Jan-32	Feb-32	Mar-32	Total
A	TSGenco-Thermal													
1	KTPS-V	271.32	280.37	271.32	230.57	181.51	263.96	280.37	271.32	280.37	280.37	257.84	280.37	3149.68
2	KTPS-VI	265.98	274.85	265.98	274.85	274.85	265.98	274.85	265.98	224.79	233.89	252.81	274.85	3149.68
3	KTPS-VII	340.44	351.78	340.44	351.78	351.78	340.44	351.78	340.44	351.78	351.78	323.40	351.78	4147.64
4	RTS-B	24.73	25.55	24.73	25.55	25.55	24.73	25.55	18.61	16.81	25.55	23.49	25.55	286.41
5	KTPP-I	252.44	260.86	252.44	260.86	260.86	252.44	260.86	252.44	260.86	260.86	239.82	260.86	3075.61
6	KTPP-II	324.14	334.94	151.67	248.71	334.94	324.14	334.94	324.14	334.94	334.94	308.28	334.94	3690.73
7	BTPS	618.46	639.08	618.46	543.66	628.50	618.46	639.08	618.46	585.99	586.17	587.53	639.08	7322.94
8	YTPS	2298.41	2375.02	2298.41	2375.02	2375.02	2298.41	2375.02	2298.41	2375.02	2375.02	2145.18	2375.02	27964.00
	Sub-total	4395.92	4542.47	4223.46	4311.02	4433.02	4388.57	4542.47	4389.81	4430.57	4448.58	4138.35	4542.47	52786.70
B	TSGenco-Inter State													
1	PJHES	-0.06	-0.07	17.67	18.70	59.73	68.58	60.13	28.69	10.86	12.90	-0.07	-0.07	277.00
	Sub-total	-0.06	-0.07	17.67	18.70	59.73	68.58	60.13	28.69	10.86	12.90	-0.07	-0.07	277.00

Sl. No.	Name of the Station	Apr-31	May-31	Jun-31	Jul-31	Aug-31	Sep-31	Oct-31	Nov-31	Dec-31	Jan-32	Feb-32	Mar-32	Total
C	TSGenco-Hydel													
1	Nagarjuna Sagar complex	30.96	22.24	32.24	114.83	230.99	224.00	244.78	153.40	76.39	68.79	49.63	42.46	1290.69
2	SLBHES	23.28	9.90	21.00	109.84	248.98	243.00	235.82	77.00	41.92	58.09	43.38	11.73	1123.94
3	LJHES	0.00	-0.07	9.13	24.86	48.25	67.12	54.90	23.33	9.52	5.84	-0.04	0.07	242.90
4	PCHES	17.20	1.65	0.21	19.25	61.94	72.48	75.09	59.77	26.75	19.89	22.56	21.16	397.95
5	Pochampad II	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Small Hydel (Singur, Nizam, Pochampad I, Palliar)	5.28	-0.03	0.26	5.51	12.21	19.76	21.86	6.75	5.00	10.16	9.62	11.52	107.90
7	Mini Hydel (Peddapalli)	0.26	-0.01	-0.01	-0.01	0.20	0.34	0.33	0.10	0.00	0.36	0.35	0.52	2.44
	Sub-total	76.99	33.67	62.83	274.27	602.57	626.69	632.77	320.36	159.58	163.13	125.50	87.45	3165.82
	Total TSGenco	4472.85	4576.06	4303.95	4603.99	5095.32	5083.84	5235.37	4738.86	4601.01	4624.62	4263.79	4629.85	56229.52
A	CGS-Thermal													
1	NTPC Ramagundam Stage I & II	183.30	189.41	188.67	199.21	199.21	169.06	189.55	180.32	156.01	199.21	178.50	194.54	2226.99
2	NTPC Ramagundam Stage III	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	NTPC Talcher TPS II	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	NTPC Simhadri Stage I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	NTPC Simhadri Stage II	116.89	120.77	85.37	93.23	120.77	116.89	120.77	116.89	120.77	120.77	109.12	120.77	1363.03
6	NTPC Kudgi	70.40	72.75	58.63	72.34	48.50	57.89	72.75	70.40	72.75	72.75	65.71	72.75	807.63
7	NLC TPS II Stage I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	NLC TPS II Stage II	3.58	3.55	2.91	3.68	3.29	3.58	2.88	3.10	2.75	3.21	3.40	3.70	39.65
9	NNTPP	34.80	36.06	27.79	35.66	35.66	34.47	27.22	24.80	20.50	31.38	33.11	35.85	377.31
10	Neyveli new Unit-1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Neyveli new Unit-2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	TSTPP Unit 1	142.06	146.80	142.06	293.60	293.60	284.13	639.55	618.92	639.55	985.50	899.60	985.50	6070.88
13	NTECL Vallur TPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	NLC Tamil Nadu Power Ltd.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sub-total	551.04	569.34	505.44	697.73	701.03	666.03	1052.73	1014.44	1012.34	1412.82	1289.44	1413.11	10885.48

Sl. No.	Name of the Station	Apr-31	May-31	Jun-31	Jul-31	Aug-31	Sep-31	Oct-31	Nov-31	Dec-31	Jan-32	Feb-32	Mar-32	Total
B	CGS-Nuclear													
1	NPC Madras APS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	NPC Kaiga APS Units 1 & 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	NPC Kaiga APS Units 3 & 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	NPC Kudankulam	16.25	16.80	16.25	16.80	16.80	16.25	16.80	16.25	12.34	8.18	0.14	8.62	161.46
5	NPC Kudankulam NPP Unit 2	13.46	13.46	13.46	13.46	13.46	13.46	13.46	13.46	13.46	13.46	13.46	13.46	161.46
	Sub-total	29.70	30.25	29.70	30.25	30.25	29.70	30.25	29.70	25.80	21.63	13.60	22.08	322.93
C	Bundled Power (Coal)													
1	JNNM Phase 1	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	45.56
2	NTPC	66.27	68.48	66.27	68.48	68.48	66.27	68.48	66.27	68.48	68.48	62.92	68.48	807.32
	Sub-total	70.06	72.27	70.06	72.27	72.27	70.06	72.27	70.06	72.27	72.27	66.71	72.27	852.88
	Total CGS	650.81	671.86	605.20	800.25	803.56	765.79	1155.26	1114.21	1110.41	1506.73	1369.75	1507.45	12061.28
A	Others													
1	SEIL (LT 1)	165.67	171.19	165.67	171.19	171.19	165.67	171.19	130.47	153.59	171.19	154.62	171.19	1962.83
2	SEIL (LT 2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	STPP	777.70	803.63	777.70	803.63	401.81	466.25	803.63	777.70	803.63	803.63	740.36	803.63	8763.28
4	CSPDCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	PTC (MT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Others	943.36	974.82	943.36	974.82	573.00	631.91	974.82	908.17	957.22	974.82	894.98	974.82	10726.10
C	NCE													
1	Biomass	3.65	2.37	1.57	2.76	1.50	1.33	4.54	3.90	3.31	4.56	5.06	3.81	38.37
2	Bagasse	0.00	0.00	0.00	0.00	0.00	0.00	13.00	15.74	80.80	86.79	70.41	31.05	297.80
3	Municipal waste	34.38	34.31	34.33	34.31	28.61	34.34	34.26	34.35	26.30	34.84	32.87	31.12	394.02
4	Industrial waste	9.41	13.22	15.38	14.70	12.73	13.25	7.48	2.58	3.87	8.00	10.28	10.59	121.50
5	Wind	19.16	19.75	30.79	33.92	31.00	23.08	12.20	24.42	24.20	20.07	22.62	17.08	278.28
6	Mini Hydel	0.00	0.00	0.00	0.92	1.52	1.87	3.52	2.07	0.73	0.66	0.43	0.00	11.74
7	Solar	601.36	567.79	551.97	415.01	434.89	469.84	477.13	507.70	504.81	518.40	620.67	569.61	6239.18
8	Solar (JNNM Phase I)	715.81	619.72	525.97	325.29	323.00	387.92	411.22	256.59	330.42	539.55	699.40	869.56	6004.44

Sl. No.	Name of the Station	Apr-31	May-31	Jun-31	Jul-31	Aug-31	Sep-31	Oct-31	Nov-31	Dec-31	Jan-32	Feb-32	Mar-32	Total
9	Solar (NTPC)	103.01	100.57	93.17	70.31	84.14	84.15	85.00	82.37	92.53	92.71	104.80	104.14	1096.90
10	Solar (SECI)	172.45	178.20	268.48	277.43	277.43	268.48	277.43	268.48	277.43	277.43	250.60	277.43	3071.33
11	Solar (NTPC, NHPC CPSU) Tr-III 1545 MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Solar (PM KUSUM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Solar (NTPC CPSU) Tr-I & II 1692 MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Solar (SECI ISTS-IX)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total NCE	1659.25	1535.93	1521.65	1174.65	1194.83	1284.26	1325.79	1198.21	1344.41	1583.02	1817.13	1914.39	17553.54
	Grand total	7726.28	7758.68	7374.18	7553.71	7666.71	7765.81	8691.23	7959.46	8013.05	8689.18	8345.65	9026.52	96570.44

Annexure – XII(E): Energy Balance for FY 2031-32(MU)

Particular	Apr-31	May-31	Jun-31	Jul-31	Aug-31	Sep-31	Oct-31	Nov-31	Dec-31	Jan-32	Feb-32	Mar-32	Total
Total Energy Requirement at State Periphery TSNPDCL	3051.11	2572.91	2476.19	2577.56	2834.49	2594.57	2657.27	2306.47	2634.18	2860.51	2903.63	3423.63	32892.52
Total Energy Requirement at State Periphery TSSPDCL	8052.29	5403.40	5307.73	5589.47	7648.99	7784.58	7993.34	6399.11	7706.08	8512.20	8346.38	10034.35	88777.91
Total Energy Requirement	11103.40	7976.30	7783.91	8167.03	10483.48	10379.15	10650.61	8705.58	10340.26	11372.71	11250.01	13457.98	121670.42
Energy Availability for TS DISCOM for FY 24-25	7726.28	7758.68	7374.18	7553.71	7666.71	7765.81	8691.23	7959.46	8013.05	8689.18	8345.65	9026.52	96570.44
Energy Surplus/Deficit	-3377.12	-217.63	-409.74	-613.32	-2816.77	-2613.34	-1959.38	-746.12	-2327.22	-2683.53	-2904.35	-4431.46	-25099.99

Annexure – XIII(A): TSSPDCL-Allowable month wise sales for FY 2032-33(MU)

Category		Apr-32	May-32	Jun-32	Jul-32	Aug-32	Sep-32	Oct-32	Nov-32	Dec-32	Jan-33	Feb-33	Mar-33	Total
LT Category		4353.52	3299.82	3006.34	3365.12	3990.79	3287.65	3261.36	2491.67	3254.38	3770.80	3761.01	5066.38	42908.85
Category I	Domestic	1739.61	1744.84	1500.78	1352.11	1399.27	1306.62	1352.96	1180.95	1128.64	1138.14	1153.89	1607.91	16605.71
Category II	Non-Domestic/Commercial	449.60	402.42	405.48	391.88	413.09	413.06	441.25	425.85	407.04	397.79	422.06	387.27	4956.80

Category		Apr-32	May-32	Jun-32	Jul-32	Aug-32	Sep-32	Oct-32	Nov-32	Dec-32	Jan-33	Feb-33	Mar-33	Total
Category III	Industrial	120.96	113.03	117.23	116.66	117.41	107.84	116.15	126.20	142.11	129.83	125.77	129.58	1462.79
Category IV	Cottage Industries & Dhobighats	1.33	1.23	1.25	1.21	1.20	1.18	1.30	1.24	1.32	1.16	1.14	1.37	14.93
Category V	Irrigation & Agriculture	1965.68	967.77	914.49	1437.32	1990.83	1391.74	1279.09	687.46	1502.52	2033.95	1985.62	2855.64	19012.12
Category VI	Local Bodies, Street Lighting & PWS	49.01	46.89	44.33	43.22	44.83	43.86	49.33	48.51	50.15	48.99	47.14	52.61	568.86
Category VII	General Purpose	12.86	10.04	9.61	10.02	10.84	9.97	9.92	10.65	10.62	8.78	12.45	16.31	132.05
Category VIII	Temporary Supply	14.19	13.33	12.90	12.42	12.99	13.03	11.07	10.42	11.59	11.70	12.37	15.04	151.03
Category IX	Electric Vehicle Charging Stations	0.27	0.27	0.28	0.28	0.34	0.34	0.29	0.38	0.39	0.47	0.57	0.65	4.55
HT Category at 11 kV		831.71	761.14	773.71	739.42	766.92	778.50	821.20	863.24	857.06	861.14	878.17	855.24	9787.44
HT-I	Industry Segregated	489.66	443.51	462.29	450.31	464.16	464.40	473.60	518.26	529.81	535.30	543.95	510.84	5886.09
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41
HT-II	Others	238.56	224.48	218.91	205.68	212.12	216.99	248.85	252.25	235.08	222.24	229.90	242.02	2747.08
HT-III	Airports, Railways and Bus Stations	1.06	0.27	0.19	0.21	0.64	0.87	0.81	1.07	0.62	1.43	1.63	1.68	10.48
HT-IV	Lift Irrigation & Agriculture and CPWS	39.58	30.17	29.37	30.18	33.43	37.63	38.69	34.84	36.27	44.40	45.60	45.10	445.24
HT-VI	Townships and Residential Colonies	42.44	43.08	42.13	34.87	36.11	36.86	34.76	35.21	33.63	34.83	35.18	34.33	443.45
HT	Temporary Supply	19.42	18.61	19.77	17.23	19.14	20.77	21.50	20.67	20.70	22.04	21.08	20.40	241.33
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	1.01	1.00	1.06	0.93	0.91	0.98	2.98	0.94	0.95	0.89	0.83	0.86	13.35
HT Category at 33 kV		964.65	949.98	985.34	926.89	940.82	990.60	1097.48	1003.41	1023.21	1030.76	1046.11	1032.16	11991.41
HT-I	Industry Segregated	620.90	594.50	612.32	585.28	586.02	608.92	775.33	708.28	717.39	721.95	744.31	731.78	8006.98

Category		Apr-32	May-32	Jun-32	Jul-32	Aug-32	Sep-32	Oct-32	Nov-32	Dec-32	Jan-33	Feb-33	Mar-33	Total
HT-I(B)	Ferro Alloys	4.04	3.59	3.55	3.77	3.69	3.91	5.06	5.26	4.76	4.67	5.08	5.03	52.40
HT-II	Others	249.10	266.93	286.42	257.54	268.91	287.11	232.56	226.59	221.68	214.10	208.60	211.64	2931.16
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	55.68	50.49	47.92	51.15	51.60	57.23	55.08	35.48	51.63	63.34	62.04	56.99	638.63
HT-VI	Townships and Residential Colonies	30.08	31.30	31.57	24.84	25.90	27.70	22.95	21.62	20.87	20.31	20.22	21.69	299.04
HT	Temporary Supply	4.85	3.17	3.56	4.32	4.71	5.74	6.51	6.19	6.89	6.38	5.87	5.02	63.20
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		1481.37	1436.52	1443.52	1424.43	1391.56	1442.59	1472.07	1421.73	1457.38	1490.87	1578.89	1600.45	17641.39
HT-I	Industry Segregated	964.32	926.59	959.78	921.44	877.62	914.62	945.97	915.80	929.94	958.38	1048.40	1078.76	11441.62
HT-I(B)	Ferro Alloys	26.74	24.49	8.16	13.31	16.91	24.63	19.31	23.11	21.40	28.13	32.85	30.09	269.12
HT-II	Others	3.40	3.14	3.17	2.97	2.81	2.91	5.05	4.92	4.53	4.32	4.61	4.41	46.24
HT-III	Airports, Railways and Bus Stations	4.28	7.04	5.86	8.86	14.20	20.19	18.08	18.89	22.65	16.01	5.56	5.22	146.85
HT-IV	Lift Irrigation & Agriculture and CPWS	385.07	383.89	377.32	382.98	384.09	383.78	386.24	360.96	381.08	386.15	389.38	385.02	4585.96
HT-V	Railway Traction	97.57	91.36	89.23	94.86	95.94	96.46	97.42	98.06	97.77	97.89	98.09	96.95	1151.59
HT-VI	Townships and Residential Colonies	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	Temporary Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Category	Apr-32	May-32	Jun-32	Jul-32	Aug-32	Sep-32	Oct-32	Nov-32	Dec-32	Jan-33	Feb-33	Mar-33	Total
Total	7631.25	6447.46	6208.91	6455.86	7090.09	6499.34	6652.11	5780.06	6592.02	7153.57	7264.18	8554.22	82329.09

Annexure – XIII(B): TSNPDCL-Allowable month wise sales for FY 2032-33(MU)

Category	Apr-32	May-32	Jun-32	Jul-32	Aug-32	Sep-32	Oct-32	Nov-32	Dec-32	Jan-33	Feb-33	Mar-33	Total
LT Category	1922.49	1232.85	1118.57	1122.82	1649.84	1556.35	1642.09	1085.16	1507.28	1689.58	1809.57	2505.21	18841.82
Category I Domestic	552.32	623.33	634.95	555.07	484.82	528.12	553.93	521.13	457.67	403.50	398.90	433.82	6147.56
Category II Non-Domestic/Commercial	142.81	144.83	148.67	133.85	118.11	125.50	124.00	125.52	130.23	133.87	125.71	129.07	1582.18
Category III Industrial	33.11	32.79	34.00	27.64	23.70	26.56	25.96	26.25	31.65	40.85	37.44	31.61	371.57
Category IV Cottage Industries & Dhobighats	1.10	0.38	0.31	0.86	1.20	0.69	0.58	0.44	1.15	1.63	1.46	2.32	12.12
Category V Irrigation & Agriculture	1143.91	383.75	255.80	364.55	982.14	831.43	893.42	361.74	834.42	1057.77	1198.27	1856.94	10164.15
Category VI Local Bodies, Street Lighting & PWS	38.57	37.10	35.98	32.07	30.57	33.29	38.31	42.78	42.57	43.46	41.84	41.93	458.45
Category VII General Purpose	9.22	9.11	7.00	7.11	7.63	8.93	4.96	6.32	8.73	7.39	4.87	8.32	89.59
Category VIII Temporary Supply	1.45	1.56	1.86	1.67	1.66	1.82	0.93	0.97	0.85	1.11	1.07	1.19	16.13
Category IX Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.06
HT Category at 11 kV	499.93	314.20	348.65	312.66	356.31	418.41	352.97	359.60	395.26	465.99	505.79	471.74	4801.53
HT-I Industry Segregated	180.78	164.76	199.66	149.41	171.18	186.63	186.52	234.05	238.77	238.35	235.77	193.40	2379.29
HT-I(B) Ferro Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II Others	27.13	30.17	31.83	23.73	26.55	27.47	21.32	21.66	19.08	17.13	17.32	20.71	284.10
HT-III Airports, Railways and Bus Stations	0.86	0.84	0.85	0.77	0.79	0.81	0.83	0.89	0.87	0.87	0.84	0.80	10.02

Category		Apr-32	May-32	Jun-32	Jul-32	Aug-32	Sep-32	Oct-32	Nov-32	Dec-32	Jan-33	Feb-33	Mar-33	Total
HT-IV	Lift Irrigation & Agriculture and CPWS	70.70	19.98	14.71	27.57	25.55	36.12	27.62	27.47	24.42	44.30	63.02	69.29	450.76
HT-VI	Townships and Residential Colonies	1.39	0.53	0.50	0.85	1.03	0.74	0.61	0.51	0.79	1.31	1.18	1.32	10.75
HT	Temporary Supply	2.56	3.32	3.40	3.08	4.36	4.79	3.41	3.28	3.28	3.49	3.79	3.21	41.96
HT	RESCOs	216.51	94.59	97.71	107.25	126.85	161.85	112.66	71.76	108.07	160.55	183.86	182.99	1624.65
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 33 kV		121.08	87.32	79.91	69.39	121.10	108.02	103.55	88.99	77.23	92.87	84.74	108.99	1143.20
HT-I	Industry Segregated	13.59	8.77	8.36	7.77	9.55	11.32	17.00	16.59	15.25	15.00	14.21	12.48	149.87
HT-I(B)	Ferro Alloys	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	20.87
HT-II	Others	1.25	0.46	0.03	0.08	0.53	0.30	0.28	0.22	0.31	0.72	0.97	1.13	6.29
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	100.93	73.22	66.44	57.16	106.76	91.83	80.31	66.79	56.72	72.20	65.49	91.33	929.19
HT-VI	Townships and Residential Colonies	2.72	3.05	3.26	2.60	2.47	2.77	3.44	2.81	2.46	2.46	1.50	1.70	31.25
HT	Temporary Supply	0.86	0.09	0.08	0.04	0.05	0.05	0.77	0.84	0.76	0.75	0.81	0.61	5.72
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		206.54	217.68	278.03	420.06	498.30	595.69	652.07	681.80	676.12	681.05	461.10	337.72	5706.17
HT-I	Industry Segregated	58.59	66.91	64.10	62.09	61.16	65.22	64.06	75.05	61.45	61.84	63.14	49.89	753.49
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II	Others	0.51	0.46	0.15	0.79	2.43	1.29	1.69	1.79	1.59	1.56	0.83	0.39	13.47

Category		Apr-32	May-32	Jun-32	Jul-32	Aug-32	Sep-32	Oct-32	Nov-32	Dec-32	Jan-33	Feb-33	Mar-33	Total
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	47.29	44.51	108.52	264.30	336.45	428.70	496.30	514.73	528.05	523.61	304.09	196.65	3793.20
HT-V	Railway Traction	89.10	93.51	93.54	83.50	88.02	90.97	80.59	81.56	77.52	87.04	85.43	82.20	1032.99
HT-VI	Townships and Residential Colonies	10.93	12.16	11.60	9.26	10.11	9.38	9.30	8.55	7.38	6.88	7.48	8.46	111.51
HT	Temporary Supply	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.51
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		2750.05	1852.05	1825.16	1924.94	2625.55	2678.47	2750.68	2215.56	2655.89	2929.49	2861.20	3423.66	30492.70

Annexure – XIII(C): TSDISCOMs-Allowable month wise sales for FY 2032-33(MU)

Category		Apr-32	May-32	Jun-32	Jul-32	Aug-32	Sep-32	Oct-32	Nov-32	Dec-32	Jan-33	Feb-33	Mar-33	Total
LT Category		6276.01	4532.67	4124.91	4487.94	5640.63	4844.00	4903.45	3576.83	4761.66	5460.39	5570.58	7571.59	61750.67
Category I	Domestic	2291.93	2368.17	2135.73	1907.18	1884.09	1834.74	1906.88	1702.08	1586.30	1541.64	1552.80	2041.72	22753.27
Category II	Non-Domestic/Commercial	592.41	547.25	554.15	525.74	531.20	538.56	565.25	551.38	537.27	531.67	547.77	516.34	6538.98
Category III	Industrial	154.07	145.83	151.23	144.31	141.11	134.40	142.11	152.46	173.76	170.67	163.21	161.20	1834.37
Category IV	Cottage Industries & Dhobighats	2.43	1.61	1.56	2.07	2.40	1.87	1.88	1.68	2.47	2.79	2.60	3.69	27.05
Category V	Irrigation & Agriculture	3109.60	1351.52	1170.28	1801.87	2972.97	2223.17	2172.51	1049.20	2336.94	3091.72	3183.89	4712.58	29176.28
Category VI	Local Bodies, Street Lighting & PWS	87.58	83.99	80.30	75.29	75.40	77.15	87.64	91.30	92.72	92.44	88.98	94.53	1027.32
Category VII	General Purpose	22.08	19.15	16.61	17.12	18.47	18.90	14.88	16.97	19.35	16.17	17.32	24.63	221.64
Category VIII	Temporary Supply	15.64	14.89	14.76	14.08	14.65	14.85	12.00	11.38	12.44	12.81	13.44	16.23	167.16
Category IX	Electric Vehicle Charging Stations	0.28	0.28	0.28	0.28	0.34	0.35	0.30	0.39	0.40	0.48	0.58	0.65	4.60

Category		Apr-32	May-32	Jun-32	Jul-32	Aug-32	Sep-32	Oct-32	Nov-32	Dec-32	Jan-33	Feb-33	Mar-33	Total
HT Category at 11 kV		1331.65	1075.34	1122.36	1052.08	1123.23	1196.92	1174.17	1222.85	1252.32	1327.13	1383.96	1326.97	14588.97
HT-I	Industry Segregated	670.44	608.27	661.94	599.72	635.35	651.03	660.12	752.30	768.58	773.65	779.72	704.24	8265.38
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41
HT-II	Others	265.68	254.66	250.74	229.41	238.67	244.45	270.18	273.91	254.15	239.37	247.22	262.74	3031.18
HT-III	Airports, Railways and Bus Stations	1.92	1.12	1.03	0.98	1.43	1.69	1.64	1.96	1.49	2.30	2.47	2.48	20.50
HT-IV	Lift Irrigation & Agriculture and CPWS	110.28	50.16	44.08	57.75	58.98	73.74	66.30	62.31	60.69	88.70	108.62	114.39	896.00
HT-VI	Townships and Residential Colonies	43.83	43.61	42.63	35.72	37.14	37.60	35.38	35.72	34.42	36.14	36.36	35.66	454.20
HT	Temporary Supply	21.97	21.94	23.17	20.31	23.50	25.56	24.91	23.94	23.98	25.53	24.87	23.62	283.30
HT	RESCOs	216.51	94.59	97.71	107.25	126.85	161.85	112.66	71.76	108.07	160.55	183.86	182.99	1624.65
HT-IX	Electric Vehicle Charging Stations	1.01	1.00	1.06	0.93	0.91	0.98	2.98	0.94	0.95	0.89	0.83	0.86	13.35
HT Category at 33 kV		1085.73	1037.30	1065.25	996.28	1061.93	1098.61	1201.03	1092.41	1100.44	1123.63	1130.84	1141.15	13134.60
HT-I	Industry Segregated	634.48	603.27	620.67	593.05	595.57	620.23	792.33	724.87	732.64	736.96	758.52	744.26	8156.85
HT-I(B)	Ferro Alloys	5.78	5.33	5.29	5.51	5.43	5.65	6.79	7.00	6.50	6.41	6.82	6.77	73.28
HT-II	Others	250.35	267.39	286.45	257.62	269.44	287.41	232.84	226.81	221.98	214.82	209.57	212.78	2937.46
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	156.61	123.71	114.37	108.31	158.36	149.06	135.39	102.27	108.35	135.53	127.53	148.32	1567.81
HT-VI	Townships and Residential Colonies	32.80	34.34	34.83	27.44	28.36	30.47	26.40	24.43	23.33	22.77	21.72	23.39	330.29
HT	Temporary Supply	5.71	3.26	3.64	4.36	4.76	5.80	7.28	7.03	7.65	7.13	6.68	5.63	68.92
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Category		Apr-32	May-32	Jun-32	Jul-32	Aug-32	Sep-32	Oct-32	Nov-32	Dec-32	Jan-33	Feb-33	Mar-33	Total
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		1687.91	1654.20	1721.55	1844.50	1889.86	2038.28	2124.14	2103.53	2133.49	2171.92	2040.00	1938.17	23347.55
HT-I	Industry Segregated	1022.90	993.50	1023.88	983.53	938.77	979.84	1010.03	990.84	991.39	1020.22	1111.54	1128.65	12195.10
HT-I(B)	Ferro Alloys	26.74	24.49	8.16	13.31	16.91	24.63	19.31	23.11	21.40	28.13	32.85	30.09	269.12
HT-II	Others	3.90	3.60	3.32	3.76	5.23	4.19	6.74	6.71	6.12	5.88	5.44	4.80	59.71
HT-III	Airports, Railways and Bus Stations	4.28	7.04	5.86	8.86	14.20	20.19	18.08	18.89	22.65	16.01	5.56	5.22	146.85
HT-IV	Lift Irrigation & Agriculture and CPWS	432.36	428.40	485.84	647.28	720.54	812.48	882.54	875.68	909.13	909.76	693.47	581.67	8379.16
HT-V	Railway Traction	186.67	184.87	182.77	178.36	183.96	187.43	178.01	179.63	175.29	184.92	183.52	179.15	2184.58
HT-VI	Townships and Residential Colonies	10.93	12.16	11.60	9.26	10.11	9.38	9.30	8.55	7.38	6.88	7.48	8.46	111.51
HT	Temporary Supply	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.51
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		10381.30	8299.51	8034.07	8380.80	9715.64	9177.81	9402.79	7995.62	9247.92	10083.07	10125.39	11977.88	112821.79

Annexure – XIII(D): Energy Availability for FY 2032-33(MU)

Sl. No.	Name of the Station	Apr-32	May-32	Jun-32	Jul-32	Aug-32	Sep-32	Oct-32	Nov-32	Dec-32	Jan-33	Feb-33	Mar-33	Total
A	TSGenco-Thermal													
1	KTPS-V	270.58	279.60	270.58	229.94	181.01	263.24	279.60	270.58	279.60	279.60	257.14	279.60	3141.08
2	KTPS-VI	265.26	274.10	265.26	274.10	274.10	265.26	274.10	265.26	224.17	233.25	252.11	274.10	3141.08
3	KTPS-VII	339.51	350.82	339.51	350.82	350.82	339.51	350.82	339.51	350.82	350.82	322.52	350.82	4136.30
4	RTS-B	24.66	25.48	24.66	25.48	25.48	24.66	25.48	18.56	16.77	25.48	23.43	25.48	285.63
5	KTPP-I	251.75	260.15	251.75	260.15	260.15	251.75	260.15	251.75	260.15	260.15	239.16	260.15	3067.21

Sl. No.	Name of the Station	Apr-32	May-32	Jun-32	Jul-32	Aug-32	Sep-32	Oct-32	Nov-32	Dec-32	Jan-33	Feb-33	Mar-33	Total
6	KTPP-II	323.25	334.03	151.26	248.03	334.03	323.25	334.03	323.25	334.03	334.03	307.44	334.03	3680.65
7	BTPS	618.04	638.64	618.04	543.29	628.07	618.04	638.64	618.04	585.59	585.76	587.13	638.64	7317.93
8	YTPS	2292.41	2368.82	2292.41	2368.82	2368.82	2292.41	2368.82	2292.41	2368.82	2368.82	2139.58	2368.82	27891.00
	Sub-total	4385.46	4531.65	4213.47	4300.64	4422.49	4378.12	4531.65	4379.36	4419.95	4437.92	4128.51	4531.65	52660.87
B	TSGenco-Inter State													
1	PJHES	-0.06	-0.07	17.67	18.70	59.73	68.58	60.13	28.69	10.86	12.90	-0.07	-0.07	277.00
	Sub-total	-0.06	-0.07	17.67	18.70	59.73	68.58	60.13	28.69	10.86	12.90	-0.07	-0.07	277.00
C	TSGenco-Hydel													
1	Nagarjuna Sagar complex	30.96	22.24	32.24	114.83	230.99	224.00	244.78	153.40	76.39	68.79	49.63	42.46	1290.69
2	SLBHES	23.28	9.90	21.00	109.84	248.98	243.00	235.82	77.00	41.92	58.09	43.38	11.73	1123.94
3	LJHES	0.00	-0.07	9.13	24.86	48.25	67.12	54.90	23.33	9.52	5.84	-0.04	0.07	242.90
4	PCHES	17.20	1.65	0.21	19.25	61.94	72.48	75.09	59.77	26.75	19.89	22.56	21.16	397.95
5	Pochampad II	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Small Hydel (Singur, Nizam, Pochampad I, Palliar)	5.28	-0.03	0.26	5.51	12.21	19.76	21.86	6.75	5.00	10.16	9.62	11.52	107.90
7	Mini Hydel (Peddapalli)	0.26	-0.01	-0.01	-0.01	0.20	0.34	0.33	0.10	0.00	0.36	0.35	0.52	2.44
	Sub-total	76.99	33.67	62.83	274.27	602.57	626.69	632.77	320.36	159.58	163.13	125.50	87.45	3165.82
	Total TSGenco	4462.39	4565.25	4293.96	4593.61	5084.79	5073.39	5224.55	4728.41	4590.40	4613.95	4253.95	4619.04	56103.69
A	CGS-Thermal													
1	NTPC Ramagundam Stage I & II	182.80	188.89	188.15	198.66	198.66	168.60	189.04	179.83	155.58	198.66	178.01	194.01	2220.90
2	NTPC Ramagundam Stage III	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	NTPC Talcher TPS II	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	NTPC Simhadri Stage I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	NTPC Simhadri Stage II	116.57	120.44	85.14	92.97	120.44	116.57	120.44	116.57	120.44	120.44	108.82	120.44	1359.30
6	NTPC Kudgi	70.21	72.55	58.47	72.14	48.37	57.74	72.55	70.21	72.55	72.55	65.53	72.55	805.42
7	NLC TPS II Stage I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	NLC TPS II Stage II	3.57	3.54	2.90	3.67	3.28	3.57	2.88	3.10	2.75	3.20	3.39	3.69	39.54
9	NNTPP	34.71	35.96	27.72	35.57	35.57	34.38	27.15	24.73	20.44	31.29	33.02	35.75	376.28

Sl. No.	Name of the Station	Apr-32	May-32	Jun-32	Jul-32	Aug-32	Sep-32	Oct-32	Nov-32	Dec-32	Jan-33	Feb-33	Mar-33	Total
10	Neyveli new Unit-1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Neyveli new Unit-2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	TSTPP Unit 1	141.68	146.40	141.68	292.80	292.80	283.35	637.80	617.23	637.80	982.81	897.14	982.81	6054.29
13	NTECL Vallur TPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	NLC Tamil Nadu Power Ltd.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sub-total	549.54	567.78	504.05	695.82	699.12	664.21	1049.85	1011.67	1009.57	1408.96	1285.91	1409.24	10855.73
B	CGS-Nuclear													
1	NPC Madras APS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	NPC Kaiga APS Units 1 & 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	NPC Kaiga APS Units 3 & 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	NPC Kudankulam	16.20	16.75	16.20	16.75	16.75	16.20	16.75	16.20	12.31	8.15	0.14	8.60	161.02
5	NPC Kudankulam NPP Unit 2	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	161.02
	Sub-total	29.62	30.17	29.62	30.17	30.17	29.62	30.17	29.62	25.73	21.57	13.56	22.01	322.04
C	Bundled Power (Coal)													
1	JNNSM Phase 1	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	45.43
2	NTPC	66.09	68.29	66.09	68.29	68.29	66.09	68.29	66.09	68.29	68.29	62.74	68.29	805.11
	Sub-total	69.87	72.08	69.87	72.08	72.08	69.87	72.08	69.87	72.08	72.08	66.53	72.08	850.55
	Total CGS	649.03	670.03	603.55	798.06	801.36	763.70	1152.10	1111.16	1107.37	1502.61	1366.01	1503.33	12028.32
A	Others													
1	SEIL (LT 1)	165.21	170.72	165.21	170.72	170.72	165.21	170.72	130.12	153.17	170.72	154.20	170.72	1957.46
2	SEIL (LT 2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	STPP	775.57	801.43	775.57	801.43	400.72	464.98	801.43	775.57	801.43	801.43	738.34	801.43	8739.33
4	CSPDCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	PTC (MT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Others	940.79	972.15	940.79	972.15	571.44	630.19	972.15	905.69	954.60	972.15	892.54	972.15	10696.80
C	NCE													
1	Biomass	3.64	2.36	1.56	2.76	1.50	1.33	4.53	3.89	3.30	4.55	5.04	3.80	38.26
2	Bagasse	0.00	0.00	0.00	0.00	0.00	0.00	12.97	15.70	80.58	86.55	70.22	30.96	296.98

Sl. No.	Name of the Station	Apr-32	May-32	Jun-32	Jul-32	Aug-32	Sep-32	Oct-32	Nov-32	Dec-32	Jan-33	Feb-33	Mar-33	Total
3	Municipal waste	34.29	34.22	34.24	34.21	28.54	34.25	34.17	34.26	26.22	34.75	32.78	31.03	392.94
4	Industrial waste	9.39	13.18	15.34	14.66	12.69	13.22	7.46	2.57	3.86	7.98	10.25	10.57	121.17
5	Wind	19.11	19.69	30.70	33.82	30.91	23.01	12.17	24.36	24.13	20.01	22.55	17.03	277.52
6	Mini Hydel	0.00	0.00	0.00	0.92	1.51	1.87	3.52	2.06	0.73	0.66	0.43	0.00	11.71
7	Solar	599.72	566.24	550.46	413.87	433.70	468.56	475.82	506.31	503.44	516.98	618.97	568.06	6222.13
8	Solar (JNNSM Phase I)	713.86	618.02	524.53	324.40	322.12	386.86	410.09	255.89	329.52	538.07	697.49	867.18	5988.04
9	Solar (NTPC)	102.73	100.30	92.92	70.12	83.91	83.92	84.77	82.15	92.28	92.46	104.51	103.85	1093.91
10	Solar (SECI)	171.98	177.72	267.75	276.68	276.68	267.75	276.68	267.75	276.68	276.68	249.92	276.68	3062.93
11	Solar (NTPC, NHPC CPSU) Tr-III 1545 MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Solar (PM KUSUM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Solar (NTPC CPSU)Tr-I & II 1692 MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Solar (SECI ISTS-IX)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total NCE	1654.72	1531.74	1517.50	1171.44	1191.56	1280.76	1322.17	1194.94	1340.73	1578.69	1812.17	1909.16	17505.58
	Grand total	7706.93	7739.17	7355.79	7535.27	7649.15	7748.04	8670.97	7940.21	7993.11	8667.41	8324.66	9003.69	96334.39

Annexure – XIII(E): Energy Balance for FY 2032-33(MU)

Particular	Apr-32	May-32	Jun-32	Jul-32	Aug-32	Sep-32	Oct-32	Nov-32	Dec-32	Jan-33	Feb-33	Mar-33	Total
Total Energy Requirement at State Periphery TSNPDCL	3204.97	2707.80	2607.62	2711.33	2977.70	2729.59	2793.75	2427.51	2768.52	3004.35	3050.81	3592.60	34576.54
Total Energy Requirement at State Periphery TSSPDCL	8496.54	5722.10	5639.01	5947.28	8111.89	8275.40	8498.49	6845.18	8205.64	9050.96	8839.97	10577.72	94210.17
Total Energy Requirement	11701.51	8429.90	8246.63	8658.61	11089.59	11004.99	11292.24	9272.69	10974.15	12055.31	11890.78	14170.32	128786.71
Energy Availability for TS DISCOM for FY 24-25	7706.93	7739.17	7355.79	7535.27	7649.15	7748.04	8670.97	7940.21	7993.11	8667.41	8324.66	9003.69	96334.39
Energy Surplus/Deficit	-3586.98	-397.32	-604.77	-817.48	-3047.70	-2864.86	-2207.45	-989.84	-2580.11	-2937.86	-3126.94	-4646.25	-27807.55

Annexure – XIV(A): TSSPDCL-Allowable month wise sales for FY 2033-34(MU)

Category		Apr-33	May-33	Jun-33	Jul-33	Aug-33	Sep-33	Oct-33	Nov-33	Dec-33	Jan-34	Feb-34	Mar-34	Total
LT Category		4539.29	3443.40	3136.65	3508.79	4159.82	3427.97	3400.90	2599.28	3392.06	3929.22	3919.23	5279.56	44736.17
Category I	Domestic	1820.58	1826.05	1570.62	1415.04	1464.39	1367.43	1415.92	1235.92	1181.16	1191.11	1207.60	1682.74	17378.55
Category II	Non-Domestic/Commercial	468.86	419.66	422.85	408.68	430.79	430.76	460.16	444.10	424.48	414.84	440.14	403.87	5169.19
Category III	Industrial	125.80	117.55	121.92	121.33	122.11	112.16	120.79	131.25	147.80	135.02	130.80	134.77	1521.31
Category IV	Cottage Industries & Dhobighats	1.38	1.28	1.30	1.26	1.24	1.23	1.35	1.29	1.37	1.21	1.19	1.43	15.53
Category V	Irrigation & Agriculture	2044.31	1006.48	951.07	1494.81	2070.46	1447.41	1330.26	714.96	1562.62	2115.31	2065.04	2969.87	19772.61
Category VI	Local Bodies, Street Lighting & PWS	49.99	47.83	45.22	44.09	45.73	44.73	50.32	49.48	51.15	49.97	48.09	53.66	580.24
Category VII	General Purpose	13.32	10.39	9.95	10.37	11.22	10.32	10.27	11.02	10.99	9.09	12.89	16.88	136.72
Category VIII	Temporary Supply	14.76	13.86	13.41	12.91	13.51	13.55	11.51	10.83	12.06	12.17	12.86	15.64	157.07
Category IX	Electric Vehicle Charging Stations	0.30	0.30	0.30	0.31	0.37	0.38	0.32	0.42	0.43	0.51	0.62	0.71	4.96
HT Category at 11 kV		863.72	790.30	803.24	767.49	796.15	808.38	852.51	895.76	889.37	894.09	911.76	887.95	10160.70
HT-I	Industry Segregated	506.50	458.76	478.18	465.79	480.12	480.37	489.89	536.08	548.03	553.71	562.65	528.41	6088.51
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41
HT-II	Others	246.21	231.69	225.94	212.28	218.93	223.95	256.84	260.35	242.62	229.38	237.28	249.79	2835.27
HT-III	Airports, Railways and Bus Stations	1.14	0.30	0.20	0.23	0.69	0.94	0.88	1.16	0.67	1.54	1.76	1.81	11.32
HT-IV	Lift Irrigation & Agriculture and CPWS	42.74	32.59	31.71	32.59	36.10	40.64	41.78	37.63	39.17	47.95	49.25	48.71	480.86
HT-VI	Townships and Residential Colonies	45.84	46.53	45.50	37.66	39.00	39.81	37.55	38.03	36.32	37.62	37.99	37.08	478.93
HT	Temporary Supply	20.19	19.36	20.56	17.92	19.90	21.61	22.36	21.49	21.53	22.92	21.93	21.22	250.99
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Category		Apr-33	May-33	Jun-33	Jul-33	Aug-33	Sep-33	Oct-33	Nov-33	Dec-33	Jan-34	Feb-34	Mar-34	Total
HT-IX	Electric Vehicle Charging Stations	1.09	1.08	1.15	1.01	0.98	1.06	3.22	1.02	1.03	0.96	0.90	0.93	14.42
HT Category at 33 kV		1013.64	999.29	1036.77	974.67	989.76	1042.50	1149.48	1051.04	1071.96	1079.86	1095.32	1080.91	12585.21
HT-I	Industry Segregated	640.93	613.69	632.08	604.17	604.93	628.57	800.36	731.14	740.54	745.25	768.33	755.39	8265.37
HT-I(B)	Ferro Alloys	4.12	3.66	3.62	3.84	3.76	3.98	5.15	5.36	4.85	4.76	5.18	5.13	53.41
HT-II	Others	270.93	290.32	311.52	280.11	292.47	312.27	252.93	246.44	241.10	232.86	226.88	230.19	3188.02
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	60.14	54.53	51.76	55.24	55.73	61.81	59.48	38.32	55.76	68.41	67.00	61.55	689.72
HT-VI	Townships and Residential Colonies	32.49	33.80	34.09	26.82	27.97	29.91	24.79	23.35	22.54	21.94	21.84	23.43	322.96
HT	Temporary Supply	5.04	3.30	3.71	4.49	4.90	5.97	6.77	6.43	7.17	6.64	6.10	5.22	65.73
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		1614.10	1565.18	1574.18	1552.67	1516.25	1571.55	1604.02	1548.96	1587.82	1624.11	1720.38	1744.33	19223.54
HT-I	Industry Segregated	1057.41	1016.05	1052.44	1010.40	962.34	1002.92	1037.30	1004.21	1019.72	1050.90	1149.61	1182.90	12546.19
HT-I(B)	Ferro Alloys	27.41	25.11	8.36	13.65	17.34	25.25	19.80	23.70	21.95	28.84	33.68	30.85	275.95
HT-II	Others	3.40	3.14	3.17	2.97	2.81	2.91	5.05	4.92	4.53	4.32	4.61	4.41	46.24
HT-III	Airports, Railways and Bus Stations	4.63	7.61	6.33	9.57	15.33	21.81	19.53	20.40	24.46	17.29	6.01	5.64	158.60
HT-IV	Lift Irrigation & Agriculture and CPWS	415.88	414.60	407.51	413.62	414.82	414.48	417.14	389.83	411.57	417.04	420.53	415.82	4952.84
HT-V	Railway Traction	105.37	98.67	96.37	102.45	103.61	104.18	105.21	105.91	105.59	105.72	105.94	104.70	1243.72
HT-VI	Townships and Residential Colonies	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Category		Apr-33	May-33	Jun-33	Jul-33	Aug-33	Sep-33	Oct-33	Nov-33	Dec-33	Jan-34	Feb-34	Mar-34	Total
HT	Temporary Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		8030.75	6798.18	6550.84	6803.61	7461.98	6850.40	7006.92	6095.04	6941.20	7527.27	7646.69	8992.75	86705.64

Annexure – XIV(B): TSNPDCL-Allowable month wise sales for FY 2033-34(MU)

Category		Apr-33	May-33	Jun-33	Jul-33	Aug-33	Sep-33	Oct-33	Nov-33	Dec-33	Jan-34	Feb-34	Mar-34	Total
LT Category		1985.31	1278.89	1161.92	1164.58	1703.72	1608.72	1696.95	1125.15	1557.52	1743.98	1866.69	2580.95	19474.39
Category I	Domestic	574.85	648.75	660.85	577.71	504.60	549.66	576.52	542.39	476.33	419.96	415.18	451.51	6398.31
Category II	Non-Domestic/Commercial	150.67	152.80	156.85	141.22	124.60	132.41	130.82	132.43	137.40	141.24	132.63	136.17	1669.23
Category III	Industrial	34.43	34.10	35.36	28.75	24.65	27.62	27.00	27.30	32.92	42.48	38.94	32.88	386.44
Category IV	Cottage Industries & Dhobighats	1.14	0.39	0.32	0.88	1.24	0.71	0.60	0.45	1.19	1.68	1.50	2.40	12.51
Category V	Irrigation & Agriculture	1173.58	393.70	262.43	374.01	1007.62	852.99	916.59	371.12	856.07	1085.21	1229.35	1905.10	10427.78
Category VI	Local Bodies, Street Lighting & PWS	39.57	38.06	36.91	32.90	31.36	34.16	39.30	43.89	43.68	44.59	42.92	43.02	470.36
Category VII	General Purpose	9.56	9.45	7.26	7.37	7.92	9.26	5.15	6.56	9.05	7.67	5.05	8.63	92.93
Category VIII	Temporary Supply	1.51	1.62	1.93	1.73	1.73	1.90	0.96	1.01	0.88	1.16	1.11	1.24	16.78
Category IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.06
HT Category at 11 kV		531.23	334.84	371.93	332.96	379.19	444.99	376.52	385.49	422.63	497.16	539.38	502.41	5118.74
HT-I	Industry Segregated	195.91	178.55	216.36	161.92	185.51	202.25	202.13	253.63	258.75	258.29	255.50	209.58	2578.39
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Category		Apr-33	May-33	Jun-33	Jul-33	Aug-33	Sep-33	Oct-33	Nov-33	Dec-33	Jan-34	Feb-34	Mar-34	Total
HT-II	Others	28.12	31.29	33.00	24.61	27.52	28.48	22.11	22.46	19.78	17.76	17.96	21.48	294.56
HT-III	Airports, Railways and Bus Stations	0.88	0.86	0.87	0.79	0.81	0.83	0.85	0.90	0.88	0.89	0.86	0.82	10.23
HT-IV	Lift Irrigation & Agriculture and CPWS	77.07	21.78	16.04	30.05	27.85	39.37	30.10	29.94	26.61	48.29	68.69	75.53	491.33
HT-VI	Townships and Residential Colonies	1.42	0.54	0.51	0.86	1.05	0.75	0.63	0.52	0.81	1.33	1.20	1.35	10.96
HT	Temporary Supply	2.66	3.46	3.53	3.20	4.54	4.98	3.55	3.41	3.41	3.63	3.94	3.34	43.64
HT	RESCOs	225.17	98.37	101.62	111.54	131.92	168.33	117.16	74.63	112.39	166.97	191.22	190.31	1689.63
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 33 kV		130.25	93.98	85.96	74.59	130.76	116.34	110.87	95.10	82.42	99.45	90.69	117.27	1227.68
HT-I	Industry Segregated	13.59	8.77	8.36	7.77	9.55	11.32	17.00	16.59	15.25	15.00	14.21	12.48	149.87
HT-I(B)	Ferro Alloys	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	20.87
HT-II	Others	1.25	0.46	0.03	0.08	0.53	0.30	0.28	0.22	0.31	0.72	0.97	1.13	6.29
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	110.01	79.81	72.42	62.30	116.37	100.10	87.54	72.80	61.82	78.69	71.39	99.55	1012.81
HT-VI	Townships and Residential Colonies	2.77	3.11	3.32	2.66	2.52	2.83	3.51	2.87	2.51	2.51	1.53	1.73	31.87
HT	Temporary Supply	0.89	0.09	0.08	0.05	0.05	0.06	0.80	0.88	0.79	0.78	0.85	0.64	5.95
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		216.18	227.37	293.44	448.93	534.02	639.81	701.72	733.19	728.40	733.45	493.63	360.34	6110.48
HT-I	Industry Segregated	58.81	67.16	64.34	62.32	61.39	65.47	64.30	75.33	61.68	62.07	63.38	50.08	756.31

Category		Apr-33	May-33	Jun-33	Jul-33	Aug-33	Sep-33	Oct-33	Nov-33	Dec-33	Jan-34	Feb-34	Mar-34	Total
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II	Others	0.54	0.49	0.16	0.84	2.58	1.37	1.80	1.90	1.68	1.66	0.88	0.42	14.32
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	51.54	48.52	118.29	288.08	366.73	467.29	540.97	561.05	575.58	570.74	331.46	214.35	4134.59
HT-V	Railway Traction	94.02	98.67	98.70	88.11	92.88	95.99	85.04	86.06	81.79	91.83	90.14	86.74	1089.96
HT-VI	Townships and Residential Colonies	11.15	12.41	11.83	9.45	10.32	9.57	9.48	8.72	7.53	7.02	7.63	8.63	113.74
HT	Temporary Supply	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.57
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		2862.98	1935.08	1913.25	2021.06	2747.70	2809.86	2886.07	2338.93	2790.97	3074.03	2990.39	3560.97	31931.29

Annexure – XIV(C): TSDISCOMs-Allowable month wise sales for FY 2033-34(MU)

Category		Apr-33	May-33	Jun-33	Jul-33	Aug-33	Sep-33	Oct-33	Nov-33	Dec-33	Jan-34	Feb-34	Mar-34	Total
LT Category		6524.60	4722.29	4298.57	4673.37	5863.54	5036.69	5097.86	3724.43	4949.58	5673.19	5785.92	7860.51	64210.56
Category I	Domestic	2395.43	2474.80	2231.47	1992.75	1968.99	1917.09	1992.45	1778.30	1657.50	1611.07	1622.77	2134.25	23776.87
Category II	Non-Domestic/Commercial	619.53	572.46	579.70	549.90	555.39	563.17	590.98	576.53	561.88	556.08	572.77	540.04	6838.41
Category III	Industrial	160.24	151.66	157.28	150.08	146.76	139.78	147.79	158.55	180.72	177.50	169.74	167.64	1907.74
Category IV	Cottage Industries & Dhobighats	2.52	1.67	1.63	2.14	2.48	1.94	1.95	1.74	2.56	2.88	2.69	3.82	28.04
Category V	Irrigation & Agriculture	3217.89	1400.18	1213.50	1868.82	3078.08	2300.41	2246.85	1086.08	2418.69	3200.52	3294.40	4874.97	30200.39
Category VI	Local Bodies, Street Lighting & PWS	89.56	85.89	82.12	76.99	77.09	78.89	89.62	93.38	94.83	94.55	91.01	96.67	1050.60
Category VII	General Purpose	22.88	19.84	17.21	17.74	19.14	19.58	15.42	17.58	20.05	16.75	17.94	25.52	229.65

Category		Apr-33	May-33	Jun-33	Jul-33	Aug-33	Sep-33	Oct-33	Nov-33	Dec-33	Jan-34	Feb-34	Mar-34	Total
Category VIII	Temporary Supply	16.26	15.48	15.35	14.65	15.24	15.45	12.47	11.84	12.94	13.32	13.97	16.88	173.85
Category IX	Electric Vehicle Charging Stations	0.30	0.30	0.31	0.31	0.37	0.38	0.33	0.42	0.43	0.52	0.63	0.71	5.02
HT Category at 11 kV		1394.95	1125.14	1175.17	1100.45	1175.34	1253.37	1229.03	1281.24	1312.00	1391.25	1451.13	1390.36	15279.44
HT-I	Industry Segregated	702.41	637.31	694.55	627.71	665.63	682.62	692.02	789.71	806.78	812.01	818.16	738.00	8666.89
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41
HT-II	Others	274.34	262.98	258.93	236.89	246.46	252.43	278.95	282.81	262.40	247.14	255.24	271.27	3129.83
HT-III	Airports, Railways and Bus Stations	2.02	1.16	1.07	1.02	1.50	1.77	1.72	2.06	1.56	2.43	2.61	2.63	21.55
HT-IV	Lift Irrigation & Agriculture and CPWS	119.81	54.37	47.75	62.65	63.95	80.01	71.88	67.57	65.79	96.24	117.94	124.23	972.19
HT-VI	Townships and Residential Colonies	47.26	47.06	46.01	38.52	40.05	40.57	38.17	38.54	37.13	38.95	39.20	38.43	489.89
HT	Temporary Supply	22.85	22.81	24.09	21.12	24.44	26.59	25.91	24.90	24.94	26.55	25.87	24.56	294.63
HT	RESCOs	225.17	98.37	101.62	111.54	131.92	168.33	117.16	74.63	112.39	166.97	191.22	190.31	1689.63
HT-IX	Electric Vehicle Charging Stations	1.09	1.08	1.15	1.01	0.98	1.06	3.22	1.02	1.03	0.96	0.90	0.93	14.42
HT Category at 33 kV		1143.90	1093.27	1122.73	1049.26	1120.52	1158.85	1260.36	1146.14	1154.37	1179.30	1186.01	1198.18	13812.89
HT-I	Industry Segregated	654.52	622.46	640.43	611.94	614.48	639.88	817.36	747.73	755.79	760.25	782.54	767.87	8415.24
HT-I(B)	Ferro Alloys	5.86	5.40	5.36	5.58	5.50	5.72	6.89	7.10	6.59	6.50	6.92	6.87	74.29
HT-II	Others	272.18	290.78	311.55	280.19	293.01	312.57	253.22	246.66	241.41	233.59	227.85	231.32	3194.31
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV	Lift Irrigation & Agriculture and CPWS	170.15	134.34	124.18	117.54	172.10	161.90	147.02	111.12	117.58	147.10	138.39	161.10	1702.53

Category		Apr-33	May-33	Jun-33	Jul-33	Aug-33	Sep-33	Oct-33	Nov-33	Dec-33	Jan-34	Feb-34	Mar-34	Total
HT-VI	Townships and Residential Colonies	35.26	36.91	37.42	29.48	30.48	32.74	28.30	26.21	25.05	24.45	23.37	25.16	354.83
HT	Temporary Supply	5.94	3.39	3.79	4.53	4.95	6.03	7.57	7.31	7.95	7.42	6.95	5.86	71.68
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV & above		1830.29	1792.55	1867.62	2001.59	2050.27	2211.36	2305.74	2282.15	2316.21	2357.56	2214.01	2104.67	25334.02
HT-I	Industry Segregated	1116.22	1083.21	1116.78	1072.72	1023.73	1068.39	1101.60	1079.53	1081.40	1112.97	1212.99	1232.98	13302.50
HT-I(B)	Ferro Alloys	27.41	25.11	8.36	13.65	17.34	25.25	19.80	23.70	21.95	28.84	33.68	30.85	275.95
HT-II	Others	3.93	3.63	3.33	3.81	5.39	4.27	6.85	6.82	6.22	5.98	5.49	4.83	60.56
HT-III	Airports, Railways and Bus Stations	4.63	7.61	6.33	9.57	15.33	21.81	19.53	20.40	24.46	17.29	6.01	5.64	158.60
HT-IV	Lift Irrigation & Agriculture and CPWS	467.42	463.12	525.79	701.70	781.55	881.76	958.11	950.88	987.15	987.78	751.99	630.17	9087.43
HT-V	Railway Traction	199.39	197.34	195.06	190.56	196.49	200.17	190.25	191.97	187.38	197.55	196.08	191.44	2333.68
HT-VI	Townships and Residential Colonies	11.15	12.41	11.83	9.45	10.32	9.57	9.48	8.72	7.53	7.02	7.63	8.63	113.74
HT	Temporary Supply	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.57
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IX	Electric Vehicle Charging Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		10893.73	8733.25	8464.09	8824.68	10209.68	9660.26	9892.99	8433.97	9732.17	10601.30	10637.08	12553.72	118636.92

Annexure – XIV(D): Energy Availability for FY 2033-34(MU)

Sl. No.	Name of the Station	Apr-33	May-33	Jun-33	Jul-33	Aug-33	Sep-33	Oct-33	Nov-33	Dec-33	Jan-34	Feb-34	Mar-34	Total
A	TSGenco-Thermal													
1	KTPS-V	270.58	279.60	270.58	229.94	181.01	263.24	279.60	270.58	279.60	279.60	257.14	279.60	3141.08

Sl. No.	Name of the Station	Apr-33	May-33	Jun-33	Jul-33	Aug-33	Sep-33	Oct-33	Nov-33	Dec-33	Jan-34	Feb-34	Mar-34	Total
2	KTPS-VI	265.26	274.10	265.26	274.10	274.10	265.26	274.10	265.26	224.17	233.25	252.11	274.10	3141.08
3	KTPS-VII	339.51	350.82	339.51	350.82	350.82	339.51	350.82	339.51	350.82	350.82	322.52	350.82	4136.30
4	RTS-B	24.66	25.48	24.66	25.48	25.48	24.66	25.48	18.56	16.77	25.48	23.43	25.48	285.63
5	KTPP-I	251.75	260.15	251.75	260.15	260.15	251.75	260.15	251.75	260.15	260.15	239.16	260.15	3067.21
6	KTPP-II	323.25	334.03	151.26	248.03	334.03	323.25	334.03	323.25	334.03	334.03	307.44	334.03	3680.65
7	BTPS	618.04	638.64	618.04	543.29	628.07	618.04	638.64	618.04	585.59	585.76	587.13	638.64	7317.93
8	YTPS	2292.41	2368.82	2292.41	2368.82	2368.82	2292.41	2368.82	2292.41	2368.82	2368.82	2139.58	2368.82	27891.00
	Sub-total	4385.46	4531.65	4213.47	4300.64	4422.49	4378.12	4531.65	4379.36	4419.95	4437.92	4128.51	4531.65	52660.87
B	TSGenco-Inter State													
1	PJHES	-0.06	-0.07	17.67	18.70	59.73	68.58	60.13	28.69	10.86	12.90	-0.07	-0.07	277.00
	Sub-total	-0.06	-0.07	17.67	18.70	59.73	68.58	60.13	28.69	10.86	12.90	-0.07	-0.07	277.00
C	TSGenco-Hydel													
1	Nagarjuna Sagar complex	30.96	22.24	32.24	114.83	230.99	224.00	244.78	153.40	76.39	68.79	49.63	42.46	1290.69
2	SLBHES	23.28	9.90	21.00	109.84	248.98	243.00	235.82	77.00	41.92	58.09	43.38	11.73	1123.94
3	LJHES	0.00	-0.07	9.13	24.86	48.25	67.12	54.90	23.33	9.52	5.84	-0.04	0.07	242.90
4	PCHES	17.20	1.65	0.21	19.25	61.94	72.48	75.09	59.77	26.75	19.89	22.56	21.16	397.95
5	Pochampad II	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Small Hydel (Singur, Nizam, Pochampad I, Palliar)	5.28	-0.03	0.26	5.51	12.21	19.76	21.86	6.75	5.00	10.16	9.62	11.52	107.90
7	Mini Hydel (Peddapalli)	0.26	-0.01	-0.01	-0.01	0.20	0.34	0.33	0.10	0.00	0.36	0.35	0.52	2.44
	Sub-total	76.99	33.67	62.83	274.27	602.57	626.69	632.77	320.36	159.58	163.13	125.50	87.45	3165.82
	Total TSGenco	4462.39	4565.25	4293.96	4593.61	5084.79	5073.39	5224.55	4728.41	4590.40	4613.95	4253.95	4619.04	56103.69
A	CGS-Thermal													
1	NTPC Ramagundam Stage I & II	182.80	188.89	188.15	198.66	198.66	168.60	189.04	179.83	155.58	198.66	178.01	194.01	2220.90
2	NTPC Ramagundam Stage III	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	NTPC Talcher TPS II	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	NTPC Simhadri Stage I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	NTPC Simhadri Stage II	116.57	120.44	85.14	92.97	120.44	116.57	120.44	116.57	120.44	120.44	108.82	120.44	1359.30

Sl. No.	Name of the Station	Apr-33	May-33	Jun-33	Jul-33	Aug-33	Sep-33	Oct-33	Nov-33	Dec-33	Jan-34	Feb-34	Mar-34	Total
6	NTPC Kudgi	70.21	72.55	58.47	72.14	48.37	57.74	72.55	70.21	72.55	72.55	65.53	72.55	805.42
7	NLC TPS II Stage I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	NLC TPS II Stage II	3.57	3.54	2.90	3.67	3.28	3.57	2.88	3.10	2.75	3.20	3.39	3.69	39.54
9	NNTPP	34.71	35.96	27.72	35.57	35.57	34.38	27.15	24.73	20.44	31.29	33.02	35.75	376.28
10	Neyveli new Unit-1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Neyveli new Unit-2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	TSTPP Unit 1	141.68	146.40	141.68	292.80	292.80	283.35	637.80	617.23	637.80	982.81	897.14	982.81	6054.29
13	NTECL Vallur TPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	NLC Tamil Nadu Power Ltd.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sub-total	549.54	567.78	504.05	695.82	699.12	664.21	1049.85	1011.67	1009.57	1408.96	1285.91	1409.24	10855.73
B	CGS-Nuclear													
1	NPC Madras APS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	NPC Kaiga APS Units 1 & 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	NPC Kaiga APS Units 3 & 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	NPC Kudankulam	16.20	16.75	16.20	16.75	16.75	16.20	16.75	16.20	12.31	8.15	0.14	8.60	161.02
5	NPC Kudankulam NPP Unit 2	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	13.42	161.02
	Sub-total	29.62	30.17	29.62	30.17	30.17	29.62	30.17	29.62	25.73	21.57	13.56	22.01	322.04
C	Bundled Power (Coal)													
1	JNNSM Phase 1	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	45.43
2	NTPC	66.09	68.29	66.09	68.29	68.29	66.09	68.29	66.09	68.29	68.29	62.74	68.29	805.11
	Sub-total	69.87	72.08	69.87	72.08	72.08	69.87	72.08	69.87	72.08	72.08	66.53	72.08	850.55
	Total CGS	649.03	670.03	603.55	798.06	801.36	763.70	1152.10	1111.16	1107.37	1502.61	1366.01	1503.33	12028.32
A	Others													
1	SEIL (LT 1)	165.21	170.72	165.21	170.72	170.72	165.21	170.72	130.12	153.17	170.72	154.20	170.72	1957.46
2	SEIL (LT 2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	STPP	775.57	801.43	775.57	801.43	400.72	464.98	801.43	775.57	801.43	801.43	738.34	801.43	8739.33
4	CSPDCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	PTC (MT)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Sl. No.	Name of the Station	Apr-33	May-33	Jun-33	Jul-33	Aug-33	Sep-33	Oct-33	Nov-33	Dec-33	Jan-34	Feb-34	Mar-34	Total
	Total Others	940.79	972.15	940.79	972.15	571.44	630.19	972.15	905.69	954.60	972.15	892.54	972.15	10696.80
C	NCE													
1	Biomass	3.64	2.36	1.56	2.76	1.50	1.33	4.53	3.89	3.30	4.55	5.04	3.80	38.26
2	Bagasse	0.00	0.00	0.00	0.00	0.00	0.00	12.97	15.70	80.58	86.55	70.22	30.96	296.98
3	Municipal waste	34.29	34.22	34.24	34.21	28.54	34.25	34.17	34.26	26.22	34.75	32.78	31.03	392.94
4	Industrial waste	9.39	13.18	15.34	14.66	12.69	13.22	7.46	2.57	3.86	7.98	10.25	10.57	121.17
5	Wind	19.11	19.69	30.70	33.82	30.91	23.01	12.17	24.36	24.13	20.01	22.55	17.03	277.52
6	Mini Hydel	0.00	0.00	0.00	0.92	1.51	1.87	3.52	2.06	0.73	0.66	0.43	0.00	11.71
7	Solar	599.72	566.24	550.46	413.87	433.70	468.56	475.82	506.31	503.44	516.98	618.97	568.06	6222.13
8	Solar (JNNSM Phase I)	713.86	618.02	524.53	324.40	322.12	386.86	410.09	255.89	329.52	538.07	697.49	867.18	5988.04
9	Solar (NTPC)	102.73	100.30	92.92	70.12	83.91	83.92	84.77	82.15	92.28	92.46	104.51	103.85	1093.91
10	Solar (SECI)	171.98	177.72	267.75	276.68	276.68	267.75	276.68	267.75	276.68	276.68	249.92	276.68	3062.93
11	Solar (NTPC, NHPC CPSU) Tr-III 1545 MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Solar (PM KUSUM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Solar (NTPC CPSU)Tr-I & II 1692 MW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Solar (SECI ISTS-IX)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total NCE	1654.72	1531.74	1517.50	1171.44	1191.56	1280.76	1322.17	1194.94	1340.73	1578.69	1812.17	1909.16	17505.58
	Grand total	7706.93	7739.17	7355.79	7535.27	7649.15	7748.04	8670.97	7940.21	7993.11	8667.41	8324.66	9003.69	96334.39

Annexure – XIV(E): Energy Balance for FY 2033-34(MU)

Particular	Apr-33	May-33	Jun-33	Jul-33	Aug-33	Sep-33	Oct-33	Nov-33	Dec-33	Jan-34	Feb-34	Mar-34	Total
Total Energy Requirement at State Periphery TSNPDCL	3369.36	2852.22	2748.45	2854.50	3130.72	2874.13	2939.80	2557.21	2912.23	3158.12	3208.22	3772.97	36377.93
Total Energy Requirement at State Periphery TSSPDCL	8969.54	6062.47	5994.09	6331.86	8608.37	8803.10	9041.87	7327.72	8743.93	9630.74	9368.71	11156.30	100038.70
Total Energy Requirement	12338.89	8914.70	8742.54	9186.36	11739.09	11677.23	11981.67	9884.94	11656.16	12788.86	12576.93	14929.27	136416.63

Particular	Apr-33	May-33	Jun-33	Jul-33	Aug-33	Sep-33	Oct-33	Nov-33	Dec-33	Jan-34	Feb-34	Mar-34	Total
Energy Availability for TS DISCOM for FY 24-25	7706.93	7739.17	7355.79	7535.27	7649.15	7748.04	8670.97	7940.21	7993.11	8667.41	8324.66	9003.69	96334.39
Energy Surplus/Deficit	-4631.96	-1175.53	-1386.74	-1651.09	-4089.94	-3929.19	-3310.70	-1944.73	-3663.05	-4121.46	-4252.28	-5925.57	-40082.24