



# **Telangana State Electricity Regulatory Commission**

**5<sup>th</sup>Floor, Singareni Bhavan, Red Hills, Lakdi-ka-pul,  
Hyderabad 500004.**

## **TARIFF ORDER**

### **Retail Supply Tariffs for FY 2015-16**

In the Supply Areas of  
Northern Power Distribution Company of Telangana Limited (TSNPDCL)  
And  
Southern Power Distribution Company of Telangana Limited (TSSPDCL)

**27<sup>th</sup>, March, 2015**



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**TELANGANA STATE ELECTRICITY REGULATORY COMMISSION HYDERABAD**

**Present**

**Sri Ismail Ali Khan, Chairman**  
**Sri H. Srinivasulu, Member**  
**Sri L. Manohar Reddy, Member**

Dated 27<sup>th</sup> March, 2015

**O.P. No.077 of 2015**

Northern Power Distribution Company of Telangana Limited (TSNPDCL)

**O.P.No.076 of 2015**

Southern Power Distribution Company of Telangana Limited (TSSPDCL)

**... Applicants**

The Northern Power Distribution Company of Telangana Limited (TSNPDCL) and Southern Power Distribution Company of Telangana Limited (TSSPDCL) filed the Petitions under Sections 64 of the Electricity Act, 2003, before the Telangana State Electricity Regulatory Commission (TSERC or the Commission) on 7<sup>th</sup> February, 2015 for approval of Aggregate Revenue Requirement (ARR) and Tariff proposal for Retail Supply Business for FY 2015-16. The Petitions were admitted by the Commission and assigned O.P. Numbers 077 of 2015 & 076 of 2015 respectively. The Commission held the public hearings on the Petitions at Warangal (TSNPDCL) on 12-03-2015 and Hyderabad (TSSPDCL) on 13-03-2015 & 14-03-2015. The Commission in exercise of the power vested in it by the Electricity Act, 2003 and Andhra Pradesh Electricity Regulatory Commission (Terms & Conditions for determination of tariff for Wheeling and Retail Sale of electricity) Regulation No. 4 of 2005, adopted by TSERC vide its Regulation No. 1 of 2014, and after taking into consideration all the submissions made by Petitioners, all the suggestions and objections of the public, responses of Licensees, issues raised during the Public Hearing, and all other relevant material, issued the following common Order.

**ORDER**  
**CHAPTER-1**  
**INTRODUCTION**

**1.1. BACKGROUND**

1.1.1. With the enactment of Andhra Pradesh Reorganization Act, 2014, the Telangana state has been carved out from the undivided Andhra Pradesh on 02.06.2014. The 2 districts, Anantapur and Kurnool are delinked from APCPDCL and merged with APSPDCL and 7 Mandals of Khammam district of APNPDCL have been delinked and merged in APEPDCL in accordance with the provisions of AP Reorganisation Act, 2014 as per ordinance framed by the Government of India on 28.05.2014 vide G.O. Ms. No. 24, dated 29.05.2014. Due to State bifurcation, the name of Northern Power Distribution Company of Andhra Pradesh Limited has been changed to Northern Power Distribution Company of Telangana Limited (TSNPDCL). Further, the name of Central Power Distribution Company of Andhra Pradesh Limited has been changed to Southern power Distribution Company of Telangana Limited (TSSPDCL). Thus, there are two Distribution Licensees in the State of Telangana i.e., Northern Power Distribution Company of Telangana Limited (TSNPDCL) and Southern power Distribution Company of Telangana Limited (TSSPDCL).

1.1.2. Telangana State Electricity Regulatory Commission (herein referred to as TSERC or Commission) was constituted by the Government of Telangana in terms of the provisions of Schedule XII (C) (3) of the A.P. Reorganisation Act of 2014, read with Section 82 of the Electricity Act of 2003 vide G.O.Ms.No.3, (Energy) (Budget) Department Dt:26.07.2014.



1.1.3. TSERC is a statutory body under proviso to Section 82(1) of the Electricity Act, 2003 (herein referred to as the Act) has been authorized in terms of Section 86 & Section 62(1) of the Act to determine the tariff for (1) Supply of electricity by a generating company to a Distribution Licensee (2) Transmission of electricity (3) Wheeling of electricity and (4) Retail Sale of Electricity as the case may be within the state of Telangana.

1.1.4. The erstwhile Regulatory Commission of the undivided state of Andhra Pradesh has issued Regulation No. 3 of 2014 (Reorganisation) Regulation, 2014 on 26.05.2014 consequent to the framing of Andhra Pradesh Reorganisation Act, 2014 notified by Government of India on 01.03.2014. Clause 3 of the Regulation states as follows:

*“All the notified regulations as well as their supplementary regulations/amendments, rules, orders, proceedings, guidelines, memos, notifications, other instruments issued immediately before 2nd June 2014 by the APERC for conduct of business and other matters shall fully & completely apply to the whole of the states of Telangana and Andhra Pradesh and shall similarly apply in relation to all matters falling within the jurisdiction of the Commission until they altered, repealed or amended by the respective State Electricity Regulatory Commissions.”*

1.1.5. The TSERC issued its first regulation, Regulation No. 1 of 2014, on 10.12.2014 (Adoption of Previously Subsisting Regulations, Decisions, Directions or Orders, Licenses and Practice of Directions). Clause 2 of the Regulation states 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."*

- 1.1.6. In accordance with the above Regulations, all the regulations framed by erstwhile APERC will continue to apply for the state of Telangana. The two (2) Distribution Companies (hereinafter referred to as the 'Distribution Licensees' or 'Licensees' or DISCOMS') namely, the Northern Power Distribution Company of Telangana Limited (hereinafter referred to as "TSNPDCL" or "NPDCL") and the Southern Power Distribution Company of Telangana Limited (hereinafter referred to as "TSSPDCL" or "SPDCL") filed the ARR and Tariff Petitions for Retail Supply Business for FY 2015-16 on 7th February, 2015.
- 1.1.7. The Licensees had to file ARR & proposals for Retail Supply Tariff for the entire Control Period. But they sought permission from the Commission to file ARR for Retail Supply Business for FY 2015-16 on annual basis in view of the projection of energy availability and estimation of power purchase cost for the entire control period and Tariff uncertainty, the Commission granted permission for filing Retail Supply Business (RSB) only for FY 2015-16 vide its letter. No. TSERC/DD (T-Engg)/T-03 of 2014/D.No.122 /14 dated 15<sup>th</sup> December 2014.
- 1.1.8. The Licensees were to file their ARR & Tariff proposals for the year FY 2015-16 by 30<sup>th</sup> November, 2014 so that 120 days are available to the Commission as per statute to determine the Tariff for FY 2015-16 commencing from 1<sup>st</sup> April, 2015. The Licensees however did not file ARR & Tariff proposals by 30<sup>th</sup> November, 2014 explaining the delay was due to certain unavoidable circumstances viz., delay in receipt of information of power availability and cost thereon from various sources. They sought extension of time from time to time. The Commission has granted extension of time upto 31<sup>st</sup> January, 2015. The Licensees have filed the ARR proposals on 7<sup>th</sup> February, 2015. The delay is neither willful nor wanton therefore the delay in filing upto 7<sup>th</sup> February, 2015 is condoned by the Commission in this Order.

## **1.2. ADMISSION OF THE PETITIONS AND REGULATORY PROCESS**

1.2.1. The Petitions for approval of ARR and Tariff for Retail Supply Business for FY 2015-16 submitted by the Distribution Licensees were scrutinized and found to be generally in order as required under the APERC (Conduct of Business) Regulations, 1999, as adopted by TSERC vide its Regulation 1 of 2014. The Commission admitted the filings and the same were taken on record by assigning the following Original Petition (O.P.) numbers:

- O.P. No. 77 of 2015 for TSNPDCL
- O.P. No. 76 of 2015 for TSSPDCL

1.2.2. The Commission directed the Licensees to issue a Public Notice for inviting objections/suggestions on the Petitions.

1.2.3. Based on the scrutiny of the ARR and tariff proposals submitted by the Licensees, the Commission identified certain data gaps/additional information requirement in the Petition. Subsequently, the Licensees have furnished the additional information and data gaps. The Licensees were directed to place the additional information on their websites and same has been placed on their websites.

1.2.4. The Licensees, as directed by the commission, published a Public Notice in two English newspapers (in English), two Telugu newspapers (in Telugu) and one Urdu newspaper (in Urdu), on 11.02.2015 as shown in Annexure-I informing the general public that the Licensees have filed before the Commission their ARR and Tariff proposals in respect of their retail sale of electricity for FY 2015-16 and copies of their filings together with supporting materials were available in the offices of the Chief General Manager/RAC of the respective Licensees at their headquarters and also with all the Superintending Engineer/Operation circles. The filings were also made available on the websites of the Licensees as well as the Commission. This was to facilitate inspection/perusal/purchase of the ARR filings and tariff proposals by interested person(s). Interested person(s) and stakeholders were requested to file their objections/suggestions on the ARR filings and Tariff proposals by 7<sup>th</sup> March 2015. A copy was also required to be served on the licensee(s) for its/their response. In the meanwhile, the Commission has conducted the State Advisory Committee (SAC) Meeting on 4<sup>th</sup> March, 2015 on the ARR & Tariff filings of the Licensees.

1.2.5. In pursuance of Public Notice, several consumers, representatives of various consumer organizations, political parties and other stakeholders (Total 170 Objectors) submitted objections/suggestions which were replied to by the Licensees. The list of stakeholders who submitted the objections/suggestions is enclosed at Annexure-II. The details regarding number of objections / suggestions received are given in the Table below.

**Table 1.2-1: Number of Objections/ Suggestions received**

Sl. No.	NPDCCL	SPDCCL	Total
Objections pertaining to individual DISCOMS	9	46	55
Common Objections	115		115
Total			170

1.2.6. The Licensees were also directed to arrange their written replies to all the objectors by 11<sup>th</sup> March, 2015, before the scheduled public hearing of the concerned Licensee. The replies were also to be posted on their respective websites and the copies of these replies were to be made available to the Commission also. The Commission invited all the Objectors who have filed their objections/suggestions to attend the Public Hearings.

1.2.7. For direct interaction with all stakeholders and public at large so as to give them an opportunity of being heard, the Commission conducted three public hearings. The 'Schedule of Public Hearings' as given in Table below was informed to the Licensees, all the Objectors, Government of Telangana and was also adequately publicized through press release.

**Table 1.2-2: Schedule of Public Hearings on ARR/Tariff Filings by Licensees**

Licensee	Date	Time	Place	Venue
TSNPDCL	12.03.2015	10:30 hrs to 13:30 hrs	Warangal	ZillaParishad Hall, Warangal
TSSPDCL	13.03.2015 & 14.03.2015	& 14:30 hrs to 17:30 hrs	Hyderabad	RTC Kala Bhavan, Baghlingampally, Hyderabad

1.2.8. During the hearings, the Licensees (DISCOMS) made a brief presentation on their respective filings and then the Commission heard the objectors desiring to be heard in person. At the hearings, apart from the registered objectors, the persons/ organizations that had turned up at the venue directly were also heard and their petitions/suggestions were also considered. At the end, as per the directions of the Commission, the respective Licensees have responded on the issues raised by the objectors during the hearing.

- 1.2.9. The State Advisory Committee (SAC) meeting was conducted on 4<sup>th</sup> March, 2015 to elicit the views of the members of the SAC on the ARR & Tariff Proposals of TSNPDCL & TSSPDCL. The views of the members were taken into consideration while determining Retail Supply Tariffs for FY 2015-16.
- 1.2.10. All the issues as raised by the stakeholders and Petitioner's response on the same are detailed in Chapter 4 of this Order. In this context it is also to underline that while finalizing the Tariff Order, the Commission has, as far as possible, tried to address the issues as raised by the stakeholders.
- 1.2.11. The commission would like to place on record its appreciation for the awareness and public spirit exhibited in the form of large number of letters / suggestions / objections received. While all the views and opinions expressed and objections / suggestions made by the consumers / objectors may not have been specifically reflected in this order, the Commission has made every effort to capture the spirit and essence of the objections / suggestions and made earnest attempts to respond to them.

### **1.3. DATA GAPS AND LICENSEE'S RESPONSES**

- 1.3.1. Based on the scrutiny of the ARR and tariff proposals submitted by the Licensees, the Commission identified certain data gaps/additional information requirement in the Petition. Accordingly, following additional information/clarification from the Petitioner were sought by the Commission
- Submission of all complete forms related to ARR and Tariff in workable excel formats with formulas and linkages.
  - Submission of all complete forms related to Category wise Cost of Supply in workable excel formats with formulas and linkages.
  - Audited accounts for FY 2013-14 along with supplementary audit report of CAG.
  - Justification for this discrepancy in numbers with reconciliation of numbers.

- Actual month wise consumer category wise sales for FY 2013-14.
- Actual power purchase (MU) from each generating source for FY 2013-14 along with the corresponding power purchase cost giving the details of fixed cost, variable cost, incentive etc.
- Actual power purchase (MU) from each generating source for first nine months of FY 2014-15 (April to December 2014) along with the corresponding power purchase cost.
- Actual consumer category wise sales for FY 2014-15 for each month from April, 2014 to December, 2014.
- Basis of projecting energy availability from Hinduja National Power Corporation Ltd. with supporting documents and status.
- Current Status of New Projects from which the power procurement has been proposed in FY 2015-16.
- Status of PPAs with various IPPs

1.3.2. The Licensees submitted most of the information sought by the Commission which has been considered by the Commission while analyzing the ARR for FY 2015-16.

#### **1.4. COMMUNICATION WITH GoTS REGARDING SUBSIDY**

1.4.1. The Commission addressed a letter to Govt. of Telangana State vide Letter No. TSERC/Secy/EAS/2015 dated 23.03.2015 informing that the Commission after examining the projected sales, the percentage of losses in the system, the availability of power, the cost of power purchases, the proposed tariffs, the present level of cross subsidy existing in the proposed tariffs and the objections and suggestions received from the consumers and general public, had determined the Revenue Requirement for FY 2015-16.

1.4.2. In this letter the GoTS was informed that the Commission had prepared a Full Cost Recovery Tariff Schedule (FCRTS) to enable recovery of determined revenue requirement. The GoTS was further informed that if the GoTS wished to further reduce any of the Tariffs of the Retail Supply Tariff Schedule then the consequential additional subsidy would have to be borne by the GoTS and that a communication u/s 65 of Electricity Act, 2003 would have to be sent by GoTS, to enable the Commission to release the Tariff Order for FY 2015-16.

1.4.3. In response to the Commission's letter dated 23.03.2015, the State Government vide Letter No. 399/Budget/2015 dated 26.03.2015 of the Secretary to Government, Energy Department, issued directions u/s 108 of the Electricity Act, 2003 to maintain uniform retail supply tariff for all categories of consumer across both the DISCOMs of the State for FY 2015-16 and communicated the Subsidy to be provided by the State Government under Section 65 of EA, 2003.

## 1.5. STRUCTURE OF THE ORDER

1.5.1. This Order is organised in the following seven Chapters:

- **Chapter 1 (this Chapter)** provides a background and the details of quasi-judicial regulatory process undertaken by the Commission. For the sake of convenience, a list of abbreviations with their expanded forms has been included.
- **Chapter 2** provides the summary of Filings for ARR and Licensee's Proposed Tariff.
- **Chapter 3** deals with the True Up for FY 2013-14 and Provisional True Up for FY 2014-15.
- **Chapter 4** summarizes the interaction with Stakeholders including issues raised by Stakeholders, Licensee's responses, Commission's Views and communication with the State Govt. of Telangana regarding subsidy.
- **Chapter 5** deals with the Analysis of ARR and Cost of Service for FY 2015-16.
- **Chapter 6** deals with the Retail Tariff Design including Retail Supply Tariffs and Charges.



- **Chapter 7** of the Order summarises the directions given by the Commission to the Licensees.

## CHAPTER-2

### 2. SUMMARY OF FILINGS FOR ARR & LICENSEE PROPOSED TARIFFS

The salient features of the Petitions filed by the Licensees for projecting the various elements of ARR and Tariffs proposed by the Licensees are summarised in this section of the Order.

#### 2.1. SALES PROJECTIONS

2.1.1. The two Licensees projected the sale of energy to different consumer categories in their respective licensed area of supply at 44236.71 MU during FY 2015-16. The Licensees stated that they have followed both trend and end user methods, and forecasted the sales volumes for FY 2015-16. The summary of category-wise sales for different consumer categories as projected by the Licensees for FY 2015-16 are given in Table below.

**Table 2.1-1: Sales Projections for FY 2015-16 filed by the Licensees**

Consumer Category	Licensee		TOTAL (MU)
	NPDCL (MU)	SPDCL (MU)	
LT-I : Domestic	2780.32	6654.96	<b>9435.28</b>
LT-II : Non Domestic / Commercial	577.85	2009.79	<b>2587.64</b>
LT-III : Industrial	280.83	808.81	<b>1089.64</b>
LT-IV : Cottage Industries	6.92	9.19	<b>16.11</b>
LT-V : Agricultural	4903.82	7528.19	<b>12432.00</b>
LT-VI : Local Bodies	310.22	790.72	<b>1100.94</b>
LT-VII : General	36.47	56.11	<b>92.58</b>
LT-VIII : Temporary	0.00	0.77	<b>0.77</b>
HT-I : Industrial	1323.70	10268.46	<b>11592.16</b>
HT-I(B): Ferro Alloys	47.03	215.21	<b>262.24</b>
HT-II : Others	111.88	1905.59	<b>2017.46</b>
HT-III : Airports, Bus Stations and Railway Stations	8.63	82.78	<b>91.41</b>
HT-IV : Irrigation and Agriculture	502.15	1271.43	<b>1773.58</b>
HT-V : Railway Traction	470.83	249.53	<b>720.35</b>
HT-VI : Townships and colonies	149.41	121.49	<b>270.90</b>

Consumer Category	Licensee		TOTAL (MU)
	NPDCL (MU)	SPDCL (MU)	
HT-VII : Green Power	0.00	0.00	<b>0.00</b>
Rural Elec. Cooperatives	713.42	0.00	<b>713.42</b>
Temporary	0.00	40.22	<b>40.22</b>
Total	<b>12223.48</b>	<b>32013.23</b>	<b>44236.71</b>

### **Basis of Category-wise Sales Projections for FY 2015-16**

2.1.2. The Licensees considered the actual sales for previous years and for first half of FY 2014-15 (April to September 2014) for projecting the sales for second half of FY 2014-15 (October 2014 to March 2015) and for FY 2015-16. The assumptions considered by the Licensees for projecting sales for different consumer categories are discussed below:

#### **LT-I: Domestic Category**

2.1.3. TSSPDCL considered 4-year CAGR for projecting the sales for second half of FY 2014-15. For FY 2015-16, TSSPDCL considered moderate growth rate of 8.25% to project sales for this category. Further, as the sales projected based on the past trends are restricted sales, the licensee has further added load relief quantum under this category for projecting the unrestricted sales for FY 2015-16.

2.1.4. TSNPDCL considered 4 years CAGR for projecting the sales for second half of FY 2014-15. For FY 2015-16, TSNPDCL considered moderate growth rate of 6.93% to project sales for the domestic category. Further, as the sales projected based on the past trends are restricted sales, the licensee has further added load relief quantum under this category for projecting the unrestricted sales for FY 2015-16.

#### **LT-II: Non-Domestic/Commercial**

2.1.5. TSSPDCL considered growth rate of 5.69% equivalent to 4 years CAGR for projecting the sales for second half of FY 2014-15. For FY 2015-16, TSSPDCL considered moderate growth rate of 5.57% to project sales for this category. Further, as the sales projected based on the past trends are restricted sales, the licensee has further added load relief quantum under this category for projecting the unrestricted sales for FY 2015-16.

2.1.6. TSNPDCL considered growth rate of 7.33% for projecting the sales for second half of FY 2014-15. For FY 2015-16, TSNPDCL considered moderate growth rate of 7.09% to project sales for this category. Further, as the sales projected based on the past trends are restricted sales, the licensee has further added load relief quantum under this category for projecting the unrestricted sales for FY 2015-16.

#### **LT-III: Industrial**

2.1.7. TSSPDCL submitted that the CAGR for last 4 years for this category is only 1.94%. However, during the FY 2013-14 a significant growth of 5.79% was recorded over FY 2012-13 despite severe power shortage in the state. Hence looking forward to more industrial growth in the state, new policies of Govt. to encourage industries last year growth rate of 5.79% has been considered for projecting sales for second half of FY 2014-15. Similarly, the CAGR growth rate of FY 2014-15 over FY 2012-13 of 4.75% is considered for projecting FY 2015-16 sales and to arrive at unrestricted demand, load relief has been added to projected sales.

2.1.8. In case of TSNPDCL CAGR for the same period observed was negative. Considering this trend an optimistic growth of 2% after adding the load relief quantum has been considered for 2015-16.

#### **LT-IV: Cottage Industries**

2.1.9. TSSPDCL, projected sales of 9.19MU for FY2015-16 and TSNPDCL projected sales of 6.92 MU for FY2015-16 for this category based on past trends.

#### **LT-V Agriculture**

2.1.10. The Licensees submitted that the Agricultural consumption is being estimated as per ISI methodology from October 2013 onwards and same is being furnished to the Hon'ble Commission. In 2013-14, the agricultural consumption increased by around 7.20% in case of TSNPDCL and by 7.46% growth in case of TSSPDCL due to release of new agricultural service connections and increase in specific consumption per service. The Licensees further submitted that in FY 2015-16, the availability of power is expected to improve on account of upcoming new generation power plants i.e., KTHP Stage-II, lower Jurala, Pulichinthala, Tuticorn, Krishanpatnam Stage-I, HNPCL and short term power procurement and hence the licensee shall be able to provide 7 Hrs power supply to the agriculture consumers. Considering these aspects, TSSPDCL projected the agriculture consumption of 7528.19 MU for FY 2015-16 TSNPDCL projected the agriculture consumption of 4,903.82 MU for the FY 2015-16.

#### **LT-VI Public Lighting &PWS Schemes:**

2.1.11. For TSNPDCL, in FY 2013-14, the consumption of this category decreased by 9.5 % from FY 2012-13 levels. This happened on account of load relief and energy conservation methods adopted by the local bodies. The licensee projected sales for FY 2015-16 at a growth rate of 3.89% (which is the growth rate of first half of FY 2014-15). The licensee added load relief quantum under this category for FY 2015-16 to the above projected sales.

2.1.12. TSSPDCL based on past 4-years CAGR and year-on-year growth rates considered a moderate growth rate of 10.83% for projecting the sales for FY 2015-16 for this category. Further, as the sales projected based on the past trends are restricted sales, the licensee has further added load relief quantum under this category for projecting the unrestricted sales for FY 2015-16.

#### **LT VII - General Purpose**

- 2.1.13. TSSPDCL based on past 5 years CAGR and annual growth rate of FY 2014-15 over FY 2013-14 considered a moderate growth rate of 4.39% for projecting the sales for FY 2015-16 for this category. Further, as the sales projected based on the past trends are restricted sales, the licensee has further added load relief quantum under this category for projecting the unrestricted sales for FY 2015-16.
- 2.1.14. TSNPDCL has considered 5years CAGR of 6.02% for projecting sales for FY 2015-16. Further, as the sales projected based on the past trends are restricted sales, the licensee has further added load relief quantum under this category for projecting the unrestricted sales for FY 2015-16.

### **HT-I Industrial**

- 2.1.15. The Licensees submitted that due to imposition of R&C measures during FY 2012-13 and first 4 months of FY 2013-14 negative growth rates have been recorded in power consumption of the Industrial segment.
- 2.1.16. In case of TSSPDCL, the Licensee has considered the new Industrial and ITIR policy in the State and anticipated that more industries are expected to start-up in the state and hence the Licensee has considered a positive growth rate of 8.88%, 18.20%, and 7.48% for HT – 11 KV, 33 KV and 132 KV respectively for projecting the sales for FY 2015-16.
- 2.1.17. In case of TSNPDCL, the licensee has estimated projections based on trend and partial end use method. The major industries considered include Singareni Collieries, Cement Industry, Paper and Ferro Alloy Industry. The estimated sales for FY15-16 are 1370.73 MU.

### **HT-II**

- 2.1.18. TSSPDCL based on earlier sales trajectory considered growth rates of 7.98%, 9.32% and 8.77% for 11 KV, 33 KV and 132 KV respectively for projecting the sales for FY 2015-16. At 132 KV level, an additional sales of 24.63 MU has been considered by Licensee anticipating L&T-Hyderabad Metro Rail commercial services operations. The Licensee has further added load relief of 35.25 MU to arrive at unrestricted sales for FY 2015-16.

2.1.19. For TSNPDCL, the consumption of this category is mainly contributed by 11 KV consumers. The licensee has adopted the historical growth rate of 10% for projecting unrestricted sales for FY 2015-16. The licensee has further added load relief quantum to arrive at unrestricted sales for FY 2015-16.

#### **HT-III Airport, Bus Stations and Railway Station**

2.1.20. TSSPDCL considered a moderate growth rate of 6% for projecting the sales at 132 KV for second half of 2014-15 and of 2015-16. In addition 14.78 MU has been considered by the Licensee towards L&T-Hyderabad Metro Rail station loads anticipated in FY 2015-16. The licensee has further added load relief quantum to arrive at unrestricted sales for FY 2015-16.

2.1.21. TSNPDCL has projected the sales for this category based on past trends and after duly adjusting with the load relief quantum.

#### **HT-IV Irrigation and Agriculture**

2.1.22. The Licensee collected the information regarding upcoming Lift Irrigation projects and energy requirement details from Irrigation Department and accordingly projected the sales for FY 2015-16.

#### **HT-V Railway Traction**

2.1.23. TSSPDCL has considered 5 years CAGR of 10.24% for projecting the sales for FY 2015-16. TSNPDCL has considered the 5 years CAGR of 3.70% for projecting the sales for FY 2015-16.

#### **HT-VI Townships and Residential Colonies**

2.1.24. TSSPDCL based on the 3-years CAGR and an annual growth rate of 14-15 over FY 2013-14 considered growth rates of 6.51% and 15.71% for projecting the sales at 11kv and 33kv level respectively for FY 2015-16.

2.1.25. For TSNPDCL, townships of Singareni Collieries' consumption contribute about 84% of the total category's consumption. The Licensee has projected the sales for this category based on past trends and after adjusting the load relief quantum.

## 2.2. LOSSES CONSIDERED FOR PROJECTING ENERGY REQUIREMENT

2.2.1. The Licensees have considered the following voltage wise Losses as approved by the then Hon'ble ERC in its tariff Order dated 9th May, 2014 for projecting energy requirement for the FY 2015-16.

**Table 2.2-1: Voltage wise losses for FY 2015-16 filed by Licensees**

Voltage level	TSSPDCL	TSNPDCL
33kV	3.99%	4.00%
11kV	5.00%	4.25%
LT	6.50%	6.00%

### Transco Losses

2.2.2. The Licensees have considered the transmission losses as per approved Transmission Loss levels in MYT Tariff Order (FY 2014-15 & FY 2018-19), as 4.02%.

### PGCIL Losses

2.2.3. The Licensees have submitted that PGCIL losses are estimated to be equal to that of TSTRANCO losses which is 4.02% and the same have been considered which are applicable for Procurement of power from CGS, other medium & short term sources.

## 2.3. ENERGY REQUIREMENT

2.3.1. The Licensees have estimated the energy requirement for FY 2015-16 by grossing up the sales of the licensee with transmission and distribution losses. The external loss on the power purchased from CGS only has also been factored to arrive at the energy requirement. The month-wise energy requirement projected by the Licensees is given in the Table below:

**Table 2.3-1: Month wise energy requirement filed by Licensees**



<b>FY 15-16 Monthly Energy Requirement (MU)</b>													
	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Total</b>
<b>TSNPDCL</b>	1,271	937	958	1,180	1,331	1,399	1,211	1,000	1,161	1,371	1,315	1,341	<b>14,476</b>
<b>TSSPDCL</b>	3,174	2,944	2,983	3,063	3,455	3,410	3,110	2,623	2,878	3,289	3,247	3,447	<b>37,624</b>
<b>Total</b>	<b>4,445</b>	<b>3,882</b>	<b>3,942</b>	<b>4,243</b>	<b>4,786</b>	<b>4,809</b>	<b>4,322</b>	<b>3,623</b>	<b>4,039</b>	<b>4,660</b>	<b>4,563</b>	<b>4,788</b>	<b>52,100</b>

2.3.2. Hence, the Energy Requirement for TSNPDCL has been projected as 14,476 MU and 37,624 MU for TSSPDCL

## **2.4. ENERGY AVAILABILITY & SURPLUS OR SHORTAGE**

### **Sources of Power for the State of Telangana**

2.4.1. The Licensees submitted that before the bifurcation of united Andhra Pradesh, with the implementation of Multi-Buyer Model (MBM) in the state from June 9, 2005, each of the four Discoms of united Andhra Pradesh had been allocated a certain share of the generating stations contracted by APTRANSCO as give below.

- i.** APCPDCL-- 46.06%
- ii.** APNPDCL-- 15.87%
- iii.** APEPDCL-- 15.80%
- iv.** APSPDCL-- 22.27%

2.4.2. Based on the last 5 years' average consumption of Anantapur and Kurnool districts, 17.45% of power earlier allocated to the erstwhile APCPDCL had been transferred to APSPDCL. Accordingly, 8.037% (i.e. 17.45% of allocated share of 46.06%) of power was transferred from APCPDCL to APSPDCL. Hence, the allocation of power to CPDCL (TSSPDCL) from various generating stations has reduced to 38.03 % from the earlier 46.06%. Power allocation percentages for Telangana Discoms and Andhra Pradesh Discoms were modified accordingly. Telangana has been allocated a percentage of 53.89% of the erstwhile Andhra Pradesh share.

2.4.3. Of the total power allocated to united Andhra Pradesh from Machkund and Tungabhadra which are Inter-state Hydel stations, power to Telangana has been allocated in proportion of 53.89% (revised under additional information).

## **Basis of estimation of power availability for FY 15-16**

- 2.4.4. The basis and assumptions considered by the Licensees for projecting the energy availability from various sources are discussed below:
- 2.4.5. **TSGENCO & APGENCO:** Energy availability has been projected based on the projections made by TSGENCO & APGENCO and maintenance schedules of the plants. The following GENCO plants have been assumed to be commissioned in FY 2015-16:
- a. COD of Damodaram Sanjeevaiah Thermal power plant unit I (800 MW) expected in Jan' 2015
  - b. COD of Damodaram Sanjeevaiah Thermal power plant unit II (800 MW) expected in April'15
  - c. Kakatiya Thermal Power Plant Stage II (600 MW) will be synchronized in Sep' 2015
  - d. The 1st unit of Lower Jurala is expected to be commissioned in Apr'2015, 2<sup>nd</sup> unit in May'15, 3<sup>rd</sup> unit in during June'2015 and 4<sup>th</sup> unit is in Sep'2015
- 2.4.6. **Hydro Energy:** Last 10 year average of hydel energy availability has been considered by the Licensees for projecting the energy availability for FY 2015-16.
- 2.4.7. **Central Generating Stations:** For FY 15-16, the energy availability has been projected based on the projected performance estimated by CGS and maintenance schedules of the plants.
- 2.4.8. **APGPCL:** The actual energy generation till October, 2014 has been factored while estimating energy availability for FY 15-16.

- 2.4.9. **IPPs:** The availability of power from the generating stations of GVK, Spectrum, Lanco Kondapalli and Reliance (BSES) has been projected based on the current gas supply levels. Existing PPA of the Licensees with GVK would expire in June 2015 and with Lanco Kondapalli would expire in December 2015. The actual generation till September, 2014, current gas supply levels and PPA expiry has been factored while estimating energy availability for FY 15-16. The Licensees have not factored energy availability from any new IPPs.
- 2.4.10. **Non- Conventional Energy:** The energy availability projections from NCE - Biomass Plants, Bagasse Plants, Industrial Waste of Energy, Municipal waste of energy, Mini Hydel, Solar Energy and NCL Energy has been projected based on the actual energy from these sources during first half of 2014- 15. The energy availability for upcoming solar Energy has been projected by considering 19% PLF and 23% PLF respectively for Solar PV and Solar CSP (thermal) power projects. The energy availability from upcoming Wind power Station of 760 MW has been considered while projecting the total energy availability from NCE sources.
- 2.4.11. **Long/ Medium Term Power Purchases:** The licensees have signed PPA's with M/s Thermal Power Tech Ltd for supply of power through long term basis starting from April - 15 for a period of 25 years . It is estimated that 2,012 MU will be available from M/s Thermal Power Tech Ltd for FY 2015-16. The licensees have signed PPA's with KSK Mahanadi and Corporate Power for supply of power through medium term basis starting from June - 2013 for a period of 3 years i.e. up to June-16. The energy availability from KSK Mahanadi Power Ltd is estimated at 1609 MU for FY 2015-16 and no power is expected to be available from M/s Corporate power Ltd.

2.4.12. **HNPCL:** The Licensees submitted that the erstwhile GoAP has directed the united APDISCOMs as the successor entities of erstwhile APSEB to enter into a continuation agreement to the PPA of 1998 with M/s. HNPCL. It has been assumed that the power plant would be commissioned in FY 2015-16. A unit of 520 MW is expected to be commissioned by April 2015 and another unit of 520 MW by July, 2015. TSDISCOMs are having 53.89% of share from this project as per AP Reorganization Act 2014. It is estimated that 3,449 MU would be available from HNPCL for FY 2015-16.

2.4.13. **Bilateral/Short Term Purchases:** The Licensees submitted that they propose to procure power from bilateral / short term sources to bridge the month wise energy deficit. The existing contract from bilateral sources to the tune of around 800 MU every month will expire by May, 2015. Therefore 800 MU every month till May 2015 and 800 MW (~525 MU every month) for the period June, 2015 to March, 2016 has been considered by the Licensees and the same translates to an energy availability of 6,853 MU for FY 2015-16.

2.4.14. Based on the above, the total Energy availability from all sources in FY 2015-16 is projected as 60,250 MU while the energy requirement is 52,100 MU resulting in a surplus of 8150 MU. The Licensees submitted that the energy dispatch for FY 15-16 has been considered by applying the merit order dispatch principle i.e., based on the cheapest power source first approach. The table below lists down the Energy availability from various sources and Energy dispatch from various sources as projected by the Licensees for FY 15-16.

**Table 2.4-1: Energy Availability & Dispatch for FY 2015-16**

Generating Station	FY 15-16 Energy Availability and Dispatch (MU)	
	Energy Availability	Energy Dispatch
TS& AP Genco - Thermal	24,451	23,099
TS& AP Genco - Hydel	3,614	3,614
CGS	13814	13,814
NCE	21261	1,803
IPPs	1,482	1,413
APGPCL	94	92
Medium Term	1,609	1,609

Generating Station	FY 15-16 Energy Availability and Dispatch (MU)	
	Energy Availability	Energy Dispatch
Hinduja Plant	3,449	3,449
Thermal Power Tech	2,012	2,012
Bilateral sources	7598	1,194
<b>Total</b>	<b>60,250</b>	<b>52,100</b>

## 2.5. POWER PURCHASE COST PROJECTIONS

2.5.1. The Licensees in their Petitions have projected the Power Purchase Cost from various sources as discussed below.

### TS & AP GENCO

2.5.2. The Licensees have considered the annual fixed charges for all TS & AP GENCO stations for FY 2013-14 provisionally as approved by APERC in Tariff Order FY 2013-14. For projecting the variable charges for FY 2015-16, the Licensees have considered an escalation of 2% on actual variable cost per unit for first half of

FY 2014-15. Further, the Licensees have computed the incentives at a flat rate of 25 paise/kWh for ex-bus scheduled energy corresponding to scheduled generation in excess of ex-bus energy corresponding to target Plant Load Factor in accordance with APERC Regulation No 1 of 2008.

### Central Generating Stations (CGS)

2.5.3. The Licensees have considered the Fixed charges based on the CERC approved charges for FY 2013-14 in the absence of approved Fixed Charges for FY 2015-16. For projecting the variable charges for FY 2015-16, the Licensees have considered an escalation of 2% on actual variable cost per unit for first half of FY 2014-15. Further, as per CERC Regulations, 2014 the Licensees have considered incentive payable as 50 paise per unit based on the actual PLF above threshold level of 83%.

### EXISTING IPPs

2.5.4. The Licensees have considered the fixed charges for FY 2015-16 as per the provisions of PPA and the variable charges based on gas supplies by GAIL from ONGC, Ravva Satellite Fields and Reliance Gas for FY 15-16.

**Non-Conventional Energy (NCE) Sources**

2.5.5. The weighted average costs per unit (or Tariff Order rates) for NCE sources as considered by Licensees for FY 2015-16 are given in the table below:

**Table 2.5-1: Average Rate of NCE sources as considered by the Licensees**

<b>Project Type</b>	<b>Weighted average Cost Considered for FY 15-16 (Rs. / kWh)</b>
NCE - Bio-mass	5.85
NCE - Bagasse	4.11
NCE - Municipal Waste to Energy	4.48
NCE - Industrial Waste based power project	5.85
NCE - Wind Power	4.63
NCE - Mini Hydel	2.22
NCE - NCL Energy Ltd.	2.22
NCE - Solar Power	4.69

**HNPCL**

2.5.6. The Licensees submitted that M/s. HNPCL has submitted the tariff proposals for 1040 MW Coal based Thermal Power Plant under cost plus basis before Hon'ble APERC and the tariff is yet to be approved by APERC. The Licensees have considered the fixed charges Rs. 638 Crs towards the share of TSDISCOMS for FY 15-16. The licensees have considered a variable cost of Rs. 2.29/Unit for FY 15-16.

**Long Term - Thermal Power Tech Corporation India Limited**

2.5.7. The Licensees submitted that the variable cost per unit of Rs.1.82/kWh (towards Energy charges) and fixed cost of Rs. 352 Crs (towards capacity charges) have been considered for FY 2015-16 based on the tariff quoted by the bidder while participating in Case-I Long Term tender

**Medium Term - KSK Mahanadi**

2.5.8. The Licensees submitted that the Variable cost per unit of Rs.2.35/kWh (towards energy charges) and fixed cost of Rs. 241.40 Crs (towards capacity charges) have been considered for FY 2015-16 based on the tariff quoted by the bidder while participating in Case-I Medium Term tender.

**Bilateral Purchases**

2.5.9. The Licensees have estimated the month-wise shortfall based on the availability and requirement and the part of this deficit would be met from external sources such as power traders and power exchange. The licensees have considered Rs.6.00/unit for bilateral purchases and Rs.5.50/Unit for power from NTPC-Jhajjhar for FY 15-16.

**D-to-D Energy Transfer**

2.5.10. The Licensees submitted that the month-wise availability of each TS Discom has been calculated based on PPA allocation. The requirement of each Discom at TSTRANSCO periphery has been calculated, by grossing up the sales with losses. The D-to-D purchases / sales for each Discom have been estimated after taking into account the respective allocations to each Discom as per the Final Transfer Scheme. The D-to-D pool price has been considered Rs. 6.00/kWh for FY 2015-16 (price of energy from bilateral purchases).

2.5.11. Based on the availability, requirement and costs for each source, the summary of power purchase cost for Telangana for FY 2015-16 projected by the Licensees is as follows:

**Table 2.5-2: Power Purchase cost and Quantum for FY 2014-15 and FY 2015-16**

Generating Station	FY 2015-16	
	Power Purchase (MU)	Total Power Purchase Costs(Rs. Cr)
GENCO Thermal	23,099	9,451
GENCO Hydel	3,614	746
CGS Excl Simhadri	7,927	2,505
NTPC Simhadri	5,887	2,274

Generating Station	FY 2015-16	
	Power Purchase (MU)	Total Power Purchase Costs(Rs. Cr)
APGPCL	92	31
IPPs	1,413	579
NCE	1,803	970
Others*	7,070	2,766
Market	1,194	695
<b>Total</b>	<b>52,100</b>	<b>20,016</b>

*\*Others include Srivathsa, Long term and Medium term purchases, Hinduja*

2.5.12. As per the sales forecast and projected losses, NPDCL would require 14,476 MU energy for 2015-16 for sale of power to various categories and the total power purchase cost projected by TSNPDCL for FY 2015-16 is Rs.5,385 Cr after considering net of Pool transactions.

2.5.13. Similarly TSSPDCL would require 37624 MUs of energy for 2015-16 for sale to various categories aggregated by energy losses and the total power purchase cost projected by TSSPDCL for FY 2015-16 is Rs. 14631 Cr after considering net of Pool transactions.

## **2.6. OTHER ELEMENTS OF ARR AND SUMMARY OF ARR**

### **PGCIL/CTU Charges, POSOCO Charges**

2.6.1. The Licensees have projected the fixed charges of PGCIL, POSOCO/ULDC by considering 10% escalation on the charges applicable for September 2014, as certain additional inter-state transmission lines would be commissioned by PGCIL.

### **Distribution Cost**

2.6.2. TSNPDCL has considered the Distribution cost as approved in the MYT Order for the years 2014-15 (excluding true down of 1<sup>st</sup> control period) and 2015-16 for the Distribution Business of third control period duly excluding the distribution cost portion of 7 Mandals which were transferred from Khammam District (Telangana State) to residuary State of A.P under A.P. Reorganisation Act, 2014.



2.6.3. For TSSPDCL, in Tariff Order of FY13-14, (for erstwhile APCPDCL) the Distribution Cost of Anantapur & Kurnool Circles was also covered. Hence the licensee has segregated the approved Distribution Costs element wise based on the actual of FY 2013-14 between TSSPDCL and Anantapur & Kurnool circles.

#### **TS Transco & SLDC charges**

2.6.4. The Licensees have adopted the Transmission capacity contracted and rate of Transmission charges for FY 2014-15 and FY 2015-16 as per the approved figures in the MYT Transmission Tariff Order 2014-15 to 2018-19.

#### **Interest on CSD**

2.6.5. The licensees have considered the 9% rate of interest which is notified by the Reserve Bank of India for estimation of interest on consumer security deposits for 2015-16.

#### **Supply Margin**

2.6.6. The licensees have proposed 2% on equity portion of approved regulatory rate base (RRB) in MYT order for the third control period as Supply Margin in Retail Supply Business.

#### **SUMMARY OF ARR FOR FY 2015-16 AND COST OF SERVICE**

2.6.7. Based on the above, the summary of Aggregate Revenue Requirement (ARR) (the revenue required to meet the supply cost, for the supply of the forecasted sales volume) has been estimated and filed by the Licensees for FY 2015-16 at Rs 26473.76 Crs. The details of the estimated revenue requirement as filed by the Licensees are given in Table below.

**Table 2.6-1: Revenue Requirement as per Filings for FY2015-16 (Rs. Cr)**

ARR/Cost Item	Name of the Licensee		Total for TS State
	TSNPDCL	TSSPDCL	
Distribution Cost	1206.74	1647.94	2854.68
Power Purchase Cost	5385.35	14631.13	20016.48
Transmission Cost	341.26	820.55	1161.81
SLDC Charges	10.98	26.41	37.39

ARR/Cost Item	Name of the Licensee		Total for TS State
	TSNPDCL	TSSPDCL	
PGCIL Charges	104.84	257.62	362.46
ULDC Charges	6.69	16.44	23.13
Interest on CSD	52.36	203.43	255.79
Supply Margin	8.14	8.61	16.75
Other Expenses	482.57	1262.70	1745.26
Revenue Requirement	<b>7598.95</b>	<b>18874.81</b>	<b>26473.76</b>

2.6.8. The Licensees have computed the Cost of Service for each Category based on the Embedded Cost Methodology. The Category wise CoS filed as given below:

**Table 2.6-2: Category wise Cost of Service as filed by the Licensees (Rs./kWh)**

Cost of Service	TSNPDCL	TSSPDCL
LT	Rs./kWh	Rs./kWh
LT Cat I - Domestic	6.83	6.71
LT Cat II - Non-domestic	6.97	6.74
LT Cat III (A & B) - Industrial	6.22	6.42
LT Cat IV - Cottage Industries & Dhobighats	6.59	6.58
LT Cat V - Irrigation and Agriculture	6.54	6.20
LT Cat VI - Local Bodies, St. Lighting & PWS	5.83	7.19
LT Cat VII - General Purpose	6.10	7.38
LT Cat VIII - Temporary	0.00	7.22
<b>HT</b>		
HT Cat I - Industry - General (11 kV)	6.13	5.59
HT Cat I - Industry - General (33 kV)	5.22	4.84
HT Cat I - Industry - General (220/132 kV)	4.99	4.69
HT Cat II - Industry - Other (11 kV)	6.22	5.86
HT Cat II - Industry - Other (33 kV)	5.77	5.36
HT Cat II - Industry - Other (220/132 kV)	35.03	4.97
HT Cat IV - Irrigation & Agriculture (11 kV)	7.30	6.80
HT Cat IV - Irrigation & Agriculture (33 kV)	5.10	12.55
HT Cat IV - Irrigation & Agriculture (132 kV)	4.86	4.89
HT Cat V - Railway Traction (EHT)	5.33	5.07
HT Cat VI - Colony Consumption (11 kV)	5.61	5.57
HT Cat VI - Colony Consumption (33 kV)	7.58	4.66
HT Cat VI - Colony Consumption (132 kV)	4.22	0.00
Temporary	-	5.93
HT Rural Co-operatives	4.05	-
<b>TOTAL</b>	<b>6.22</b>	<b>5.90</b>

## 2.7. REVENUE AT CURRENT TARIFFS

2.7.1. The estimated revenue for FY15-16, at current tariffs, as per filings is Rs 15327.02 Crs for TSSPDCL and Rs. 3518.15 Crs for TSNPDCL as per details given in Table below:

**Table 2.7-1: Revenue at Current tariffs (Rs. Cr)**

CATEGORY		TSSPDCL	TSNPDCL
LT-I	Domestic	2667.25	819.98
LT-II	Non-Domestic	1839.72	507.36
LT-III	Industrial	542.92	206.22
LT-IV	Cottage Industries	3.81	2.81
LT-V	Agriculture	42.26	39.24
LT-VI	Public Lighting	437.68	162.99
LT-VII	General	38.02	25.34
LT-VIII	Temporary	0.86	0
HT-I	Industry	7024.63	925.41
HT-II	Others	1728.14	105.57
HT-III	Airports, BS & RS	56.76	7.04
HT-IV	Agriculture	679.26	268.72
HT-V	Railway Traction	158.71	299.47
HT-VI	Townships	72.26	86.65
HT-VII	Green Power	0	0
HT-VIII	Temporary	34.73	0
	RESCOs	0	61.35
TOTAL		<b>15327.01</b>	<b>3518.15</b>

## 2.8. TARIFF PROPOSALS FILED

2.8.1. The Licensees proposed the following tariff structure:

### LT-I (Domestic)

2.8.2. The Licensees proposed a lower increase in energy charges for consumers with monthly consumption in the range 101-200 units (around 4%). For domestic consumers with monthly consumption >200 units, licensee has proposed an increase of 5.75% in existing energy charges.

### **Proposed Energy Charges:**

- Up to 50 units per month - Rs. 1.45/unit
- From 51 to 100 units per month
  - : Rs. 2.60/unit
- From 100 to 200 units per month
  - 0-50 slab : Rs. 2.70/unit
  - 51-100 slab : 2.70/unit
  - 101-150 slab : Rs. 3.75/unit
  - 151-200 slab : Rs. 3.75/unit
- More than 200 units per month
  - 0-50 slab : Rs. 2.75/unit
  - 51-100 slab : 3.44/unit
  - 101-150 slab : Rs. 5.16/unit
  - 151-200 slab : Rs. 5.95/unit
  - 201-250 slab : Rs. 6.75/unit
  - 251-300 slab : Rs. 7.28/unit
  - 301-400 slab : Rs. 7.80/unit
  - 401-500 slab : Rs. 8.33/unit
  - Above 500 : Rs. 8.86/unit

### **LT-II (Non-Domestic/Commercial)**

2.8.3. The Licensees proposed an increase in demand charges by 5.75% and an increase in energy charges by 5.75% on existing tariff for all sub categories in LT-II.

Proposed Fixed charges @ Rs. 52.92/kW/month for all consumers in this category.

### **Proposed Energy Charges:**

- LT-II(A): Up to 50 units per month – Rs. 5.71/unit
- LT-II(B): More than 50 units per month
  - 0-50 slab : Rs.7.01/unit
  - 51-100 slab : Rs.7.80/unit
  - 101-300 slab : Rs.8.60/unit
  - 301-500 slab: Rs.9.13/unit

- Above 500 : Rs.9.65/unit
- LT-II(C): Advertisement Hoardings – Rs.11.66/unit

### **LT-III (Industrial)**

2.8.4. The Licensees proposed an increase in Demand charges by 5.75% and an increase in Energy Charges by 5.75% on existing tariff FY2013-14 for all sub-categories of LT-III.

Proposed fixed charges @ Rs. 52.92/kW/month for all consumers in this category (Except Sugarcane crushing, Pisciculture/Prawn culture – Rs.21.17/kW/month)

Proposed Energy charges

- Industries : Rs.6.43/unit
- Seasonal Industries : Rs.7.14/unit
- Pisciculture/Prawn culture : Rs.4.90/unit
- Sugarcane crushing : Rs.4.90/unit
- Poultry farms : Rs.5.95/unit
- Mushroom and Rabbit farms : Rs.5.95/unit
- Floriculture in green house : Rs.5.95/unit

### **LT-IV (Cottage Industries)**

2.8.5. The Licensees proposed an increase in the Demand charges by 5.75% and increase in Energy Charges by 5.75% on existing tariff FY2013-14 for all sub categories of LT-IV.

Proposed fixed charges @ Rs.21.17/kW/month for all consumers in this category

Proposed Energy charges

- Cottage Industries : Rs.3.97/unit
- Agro based Activities : Rs.3.97/unit

### **LT-V (Agriculture)**

2.8.6. The Licensees proposed no tariff change for this category and proposed the tariff same as existing tariff.

### **LT-VI (Street Lighting and PWS)**

2.8.7. The Licensees proposed an increase in the Demand charges by 5.75% and increase in Energy Charges by 5.75% on existing tariff FY2013-14 for all sub categories of LT-VI.

Proposed Demand charges for all consumers – Rs.31.75/kW/month

Proposed Energy charges

- Street Lighting
  - Panchayats : Rs.5.68/unit
  - Municipalities : Rs.6.21/unit
  - Municipal Corporations : Rs.6.74/unit
- PWS
  - Panchayats : Rs.4.62/unit
  - Municipalities : Rs.5.68/unit
  - Municipal Corporations : Rs.6.21/unit

#### **LT VII (General Purpose)**

2.8.8. The Licensees proposed an increase in the Demand charges by 5.75% and increase in Energy Charges by 5.75% on existing tariff FY2013-14 for all sub categories of LT-VII.

Proposed Demand charges – Rs.21.17/kW/month

Proposed Energy charges

- General Purposes : Rs.6.91/unit
- Religious Places : Rs. 4.97/unit

#### **LT VIII Temporary Supply**

2.8.9. The Licensees proposed an increase in the Demand charges by 5.75% and increase in Energy Charges by 5.75% on existing tariff FY2013-14 for all sub categories of LT-VII.

Proposed Demand Charges : Rs.21.17/kW/month

Proposed Energy Charges : Rs 9.97/unit.

#### **HT I (Industrial)**

2.8.10. The Licensees proposed an increase in the Demand charges by 5.75% and increase in Energy Charges by 5.75% except for ToD tariff on existing tariff FY2013-14 under this category.

Proposed Demand charges : Rs.370.17/kVA/month

Proposed ToD Tariff : Additional Rs.1.00/unit on the Energy charges

Proposed Energy Charges

Voltage Level	Sub-Category	Proposed Energy charge (Rs./Unit)
<b>HT-I(A)</b>		
11 KV	General	6.00
	Lights and Fans	6.00
	Industrial Colonies	6.01
	Seasonal Industries	7.30
33 KV	General	5.55
	Lights and Fans	5.55
	Industrial Colonies	6.01
	Seasonal Industries	6.64
132 KV	General	5.12
	Lights and Fans	5.12
	Industrial Colonies	6.01
	Seasonal Industries	6.38

#### **HT I B (Ferro Alloys)**

2.8.11. The Licensees proposed an increase in the Demand Charges by 5.75% and Energy Charges by 5.75% on existing tariff FY2013-14 for HT-II at all voltage levels.

Proposed Energy charges

- 11 kV : Rs.5.72/unit
- 33 kV : Rs. 5.27/unit
- 132 kV : Rs. 4.84/unit

#### **HT II (Others)**

2.8.12. The Licensees proposed an increase in demand charges by 5.75% and Energy Charges by 5.75% on existing tariff FY2013-14 for HT-II at the voltage levels.

Proposed Demand charges : Rs.370.17/kVA/month

Proposed ToD Tariff : Additional Rs. 1.00/Unit on the Energy Charges.

Proposed Energy charges:

- 11 kV : Rs.7.30/unit
- 33 kV : Rs. 6.64/unit
- 132 kV : Rs. 6.38/unit

### **HT III (Airports, Rail way Stations and Bus Stations)**

2.8.13. The Licensees proposed an increase in demand charges by 5.75% & Energy Charges by 5.75% on existing tariff FY2013-14 for HT-III at all voltage levels.

Proposed Demand charges : Rs. 370.17/kVA/month

Proposed ToD Tariff: Additional Rs.1.00/Unit on the Energy Charges.

Proposed Energy Charges:

- 11 kV : Rs.6.96/unit
- 33 kV : Rs. 6.36/unit
- 132 kV : Rs. 6.05/unit

### **HT IV (Lift Irrigation, Agriculture &CPWS for all voltage levels)**

2.8.14. The Licensees proposed increase in energy charges by 5.75% on existing tariff FY2013-14 for HT-IV at all voltage levels.

Proposed Energy Charges

- HT-IV(A): Government LIS : Rs. 5.68/Unit
- HT-IV(B): Agriculture : Rs. 5.68/Unit
- HT-IV(C): CPWS : Rs. 4.64/Unit

### **HT V (Railway Traction)**

2.8.15. Proposed Demand Charges : Rs. 370.17/kVA/month

Proposed Energy Charges : Rs. 7.65/unit

### **HT VI (Townships and Residential Colonies for all Voltage levels)**



2.8.16. The Licensees proposed increase in Demand/Energy Charges by 5.75% on existing tariff FY2013-14 for HT-VI at all voltage levels.

Proposed Demand Charges : Rs. 52.92/kVA/month

Proposed Energy Charges : Rs. 6.01/unit

#### **HT-VII Green Power**

2.8.17. The Licensees proposed an increase in Energy charges by 5.75% on existing tariff FY13-14 for all voltage levels.

Proposed Energy Charges : Rs 11.40/unit

#### **HT-VIII Temporary**

2.8.18. The Licensees proposed the continuation of current tariff structure i.e. 1.5 times of corresponding H.T category.

#### **HT-Resco (Sircilla) – Applicable only for TSNPDCL**

2.8.19. The Licensee proposed the tariff of Rs 0.91/unit

### **OTHER TARIFF PROPOSALS**

2.8.20. TSNPDCL in its tariff Filing has proposed the following other proposals:

#### **(i) HT & LT Seasonal Industry Conditions**

For, **HT & LT Seasonal Industries**, the season shall not be less than 4(four) continuous months. However, consumer can declare longer seasonal period as per actual. Month means billing month.

- Consumer, who desires to have a change in the period classified as “season” declared by him, shall file a declaration at least a month before commencement of the respective tariff year.
- The existing eligible consumers who have not opted earlier for seasonal tariffs and existing consumers availing seasonal tariffs who desire to have change in the periods classified as “season”, the consumer has to declare his seasonal period duly submitting declaration in Rs. 100/- bond paper indicating season and off season periods to concerned designated officer.

**(ii) Modification of Definition of LT-VI Street Lighting and PWS Schemes**

- Definition for the category should be modified as follows: Applicable for supply of energy for lighting on public roads, streets, thorough fares including parks, markets, cart-stands, taxi stands, bridges and for PWS schemes including operated by RWS department in the Local Bodies viz., Panchayats/Municipalities/ Municipal Corporations (Incl. operated by WS department). Metering is compulsory irrespective of tariff structure.

2.8.21. As per filings of the Licensees, the comparison of present & proposed tariffs for all consumer categories is as shown in the Table:

**Table 2.8-1: Existing & Proposed Electricity Tariffs as per Filings**

CONSUMER CATEGORY	Energy Unit	Existing Tariff		Proposed Tariff	
		Fixed/Demand Charges (Rs/Month)	Energy Charge (Rs./Unit)	Fixed/Demand Charges (Rs/Month)	Energy Charge (Rs./Unit)
<b>LT-I DOMESTIC (Telescopic) **</b>					
LT I (A) : Up to 50 Units/Month	KWh		1.45		1.45
LT-I (B) : Above 50 Units/Month					
LT-I (B) (i) More than 50 & up to 100 Units/Month					
First 50	kWh		1.45		1.45
51-100	kWh		2.60		2.60
LT-I (B) (ii) More than 100 & up to 200 Units/Month					
First 100	kWh		2.60		2.70
101-200	kWh		3.60		3.75
LT-I (B) (iii) More than 200 Units/Month					
First 50	kWh		2.60		2.75
51-100	kWh		3.25		3.44
101-150	kWh		4.88		5.16
151-200	kWh		5.63		5.95
201-250	kWh		6.38		6.75
251-300	kWh		6.88		7.28
301-400	kWh		7.38		7.80
401-500	kWh		7.88		8.33
Above 500	kWh		8.38		8.86
<b>LT-II NON DOMESTIC/ COMMERCIAL</b>					
LT II (A) : Up to 50 Units/Month	kWh/kVAh	50/kW	5.40	53/kW	5.71
LT II (B) : Above 50 Units/Month					
First 50	kWh/kVAh	50/kW	6.63	53/kW	7.01
51-100	kWh/kVAh	50/kW	7.38	53/kW	7.80
101-300	kWh/kVAh	50/kW	8.13	53/kW	8.60
301-500	kWh/kVAh	50/kW	8.63	53/kW	9.13
Above 500	kWh/kVAh	50/kW	9.13	53/kW	9.65
LT II (C) : Advertisement Hoardings	kWh/kVAh	50/kW	11.03	53/kW	11.66
<b>LT-III:INDUSTRY</b>					

CONSUMER CATEGORY	Energy Unit	Existing Tariff		Proposed Tariff	
		Fixed/Demand Charges (Rs/Month)	Energy Charge (Rs./Unit)	Fixed/Demand Charges (Rs/Month)	Energy Charge (Rs./Unit)
Industries	kWh/kVAh	50/kW	6.08	53/kW	6.43
Seasonal Industries (off season)	kWh/kVAh	50/kW	6.75	53/kW	7.14
Pisci-culture/Prawn culture	kWh/kVAh	20/kW	4.63	21.17/KW	4.90
Sugarcane crushing	kWh/kVAh	20/kW	4.63	21.17/kW	4.90
Poultry farms	kWh/kVAh	50/kW	5.63	53/kW	5.95
Mushroom & Rabbit Farms	kWh/kVAh	50/kW	5.63	53/kW	5.95
Floriculture in Green House	kWh/kVAh	50/kW	5.63	53/kW	5.95
<b>LT-IV:COTTAGE INDUSTRIES</b>					
Cottage Industries up to 10 HP	kWh	20/kW	3.75	21.17/kW	3.97
Agro Based Activity up to 10 HP	kWh	20/kW	3.75	21.17/kW	3.97
<b>LT-V:AGRICULTURE</b>					
LT-V(A):AGRICULTURE WITH DSM MEASURES **					
Corporate Farmers & IT Assesses	kWh		2.50		2.50
Wet Land Farmers (Holdings >2.5 acre)	kWh	525/HP*	0.50	525/HP*	0.50
Dry Land Farmers (connections > 3 Nos.)	kWh	525/HP*	0.50	525/HP*	0.50
Wet Land Farmers (holdings<=2.5 acre)	kWh		0.00		0.00
Dry Land Farmers (connections<=3 Nos.)	kWh		0.00		0.00
LT-V (B) : AGRICULTURE WITHOUT DSM MEASURES **					
Corporate Farmers & IT Assesses	kWh		3.50		3.50
Wet Land Farmers (Holdings >2.5 acre)	kWh	1050/HP*	1.00	1050/HP*	1.00
Dry Land Farmers (connections > 3 Nos.)	kWh	1050/HP*	1.00	1050/HP*	1.00
Wet Land Farmers (holdings<=2.5 acre)	kWh	525/HP*	0.50	525/HP*	0.50
Dry Land Farmers (connections<=3 Nos.)	kWh	525/HP*	0.50	525/HP*	0.50
LT-V (C) : OTHERS					
Salt farming units up to 15HP	kWh	20/HP	3.70	20/HP	3.70
Rural Horticulture Nurseries up to 15HP	kWh	20/HP	3.70	20/HP	3.70
<b>LT-VI : STREET LIGHTING AND PWS</b>					
LT-VI (A) : STREET LIGHTING					
Panchayats	kWh	30/kW	5.37	31.75/kW	5.68
Municipalities	kWh	30/kW	5.87	31.75/kW	6.21
Municipal Corporations	kWh	30/kW	6.37	31.75/kW	6.74
<b>LT-VI (B) : PWS SCHEMES</b>					
Panchayats	kWh/kVAh	30/HP	4.37	31.75/kW	4.62
Municipalities	kWh/kVAh	30/HP	5.37	31.75/kW	5.68
Municipal Corporations	kWh/kVAh	30/HP	5.87	31.75/kW	6.21
<b>LT-VII : GENERAL</b>					
LT-VII (A) : GENERAL PURPOSE	kWh/kVAh	20/kW	6.53	21.17/kW	6.91
LT-VII (B) : RELIGIOUS PLACES	kWh	20/kW	4.70	21.17/kW	4.97
<b>LT-VIII : TEMPORARY SUPPLY</b>					
<b>HT-I : INDUSTRY</b>					
HT-I (A) : GENERAL					
11 kV	kVAh	350/kVA	5.73	370.17/kVA	6.00

CONSUMER CATEGORY	Energy Unit	Existing Tariff		Proposed Tariff	
		Fixed/Demand Charges (Rs/Month)	Energy Charge (Rs./Unit)	Fixed/Demand Charges (Rs/Month)	Energy Charge (Rs./Unit)
33 kV	kVAh	350/kVA	5.30	370.17/kVA	5.55
132 kV & Above	kVAh	350/kVA	4.90	370.17/kVA	5.12
<b>LIGHTS AND FANS</b>					
11 kV	kVAh		5.73		6.00
33 kV	kVAh		5.30		5.55
132 kV & Above	kVAh		4.90		5.12
<b>INDUSTRIAL COLONIES</b>					
11 kV	kVAh		5.68		6.01
33 kV	kVAh		5.68		6.01
132 kV & Above	kVAh		5.68		6.01
<b>SEASONAL INDUSTRIES</b>					
11 kV	kVAh	350/kVA	6.90	370.17/kVA	7.30
33 kV	kVAh	350/kVA	6.28	370.17/kVA	6.64
132 kV & Above	kVAh	350/kVA	6.03	370.17/kVA	6.38
<b>TIME OF DAY TARIFFS(6 PM to 10 PM)</b>					
11 kV	kVAh		6.73		7.00
33 kV	kVAh		6.30		6.55
132 kV & Above	kVAh		5.90		6.12
<b>HT-I(B):FERRO ALLOY UNITS</b>					
11 kV	kVAh		5.41		5.72
33 kV	kVAh		4.98		5.27
132 kV & Above	kVAh		4.58		4.84
<b>HT-II:OTHERS</b>					
11 kV	kVAh	350/kVA	6.90	370.17/kVA	7.30
33 kV	kVAh	350/kVA	6.28	370.17/kVA	6.64
132 kV & Above	kVAh	350/kVA	6.03	370.17/kVA	6.38
<b>TIME OF DAY TARIFFS(6 PM to 10 PM)</b>					
11 kV	kVAh		7.90		8.30
33 kV	kVAh		7.28		7.64
132 kV & Above	kVAh		7.03		7.38
<b>HT-III:AIRPORTS,BUS STATIONS AND RAILWAY STATIONS</b>					
11 kV	kVAh	350/kVA	6.58	370.17/kVA	6.96
33 kV	kVAh	350/kVA	6.01	370.17/kVA	6.36
132 kV & Above	kVAh	350/kVA	5.72	370.17/kVA	6.05
<b>TIME OF DAY TARIFFS(6 PM to 10 PM)</b>					
11 kV	kVAh		7.58		7.96
33 kV	kVAh		7.01		7.36
132 kV & Above	kVAh		6.72		7.05
<b>HT-IV:IRRIGATION, AGRICULTURE AND CPWS</b>					
Government LIS&Agriculture	kVAh		5.37		5.68
CPWS	kVAh		4.39		4.64
<b>HT-V:RAILWAY TRACTION</b>					
HT-VI : Townships & Residential Colonies	kVAh	50/kVA	5.68	53/kVA	6.01
<b>HT-VII:GREEN POWER</b>					
	kVAh		10.78	11.40	
<b>HT-VIII:TEMPORARY</b>					
	1.5 times of corresponding HT category			1.5 times of corresponding HT	

CONSUMER CATEGORY	Energy Unit	Existing Tariff		Proposed Tariff	
		Fixed/Demand Charges (Rs/Month)	Energy Charge (Rs./Unit)	Fixed/Demand Charges (Rs/Month)	Energy Charge (Rs./Unit)
				category	
RESCO: Rural Electric Co-Operatives			0.86		0.91
* Equivalent Flat rate tariff					

### Revenue at proposed Tariffs

2.8.22. The estimated revenue for FY15-16, as filed by Licensees at proposed tariffs is Rs. 16152.63Crs for TSSPDCL and Rs. 3781.22 Crs for TSNPDCL as per details given in Table below:

**Table 2.8-2: Revenue at Proposed Tariffs for FY15-16**

CATEGORY		TSSPDCL	TSNPDCL
LT-I	Domestic	2778.39	840.04
LT-II	Non-Domestic	1942.88	535.69
LT-III	Industrial	574.10	217.85
LT-IV	Cottage Industries	4.03	2.96
LT-V	Agriculture	42.26	39.24
LT-VI	Public Lighting	462.83	172.27
LT-VII	General	40.14	26.72
LT-VIII	Temporary	0.91	0
HT-I	Industry	7360.38	969.27
HT-II	Others	1825.76	111.50
HT-III	Airports, BS & RS	59.96	7.43
HT-IV	Agriculture	718.44	284.21
HT-V	Railway Traction	229.38	417.42
HT-VI	Townships	76.45	91.68
HT-VII	Green Power	0	0
HT-VIII	Temporary	36.72	0
	RESCOs	0	64.92
TOTAL		<b>16152.63</b>	<b>3781.22</b>

### 2.9. REVENUE SURPLUS/GAP FOR FY 2015-16

2.9.1. The two (2) Licensees, based on their estimates of Aggregate Revenue Requirement (ARR) and anticipated annual revenues from different consumer categories at current tariffs, arrived at a total revenue deficit of Rs. 7564.91 Cr. for FY 2015-16 as detailed in Table below. The Licensees also submitted the Tariff Proposal and estimated the additional revenue of Rs 1088.68 Cr thus leaving a net gap of Rs.6476.23 Cr. The Licensees made no mention about the ways and means to fill the revenue gap.

**Table 2.9-1: Revenue Requirement and deficit as filed by Licensees (Rs.Cr) FY15-16**

<b>S.No.</b>	<b>DESCRIPTION</b>	<b>NPDCL</b>	<b>SPDCL</b>	<b>Total</b>
i)	Energy Requirement (MU)	14475.60	37624.04	<b>52099.64</b>
ii)	Aggregate Revenue Requirement	7598.95	18874.81	<b>26473.76</b>
iii)	Revenue from Current Tariffs (Net of incentives)	3518.15	15327.02	<b>18845.17</b>
iv)	Non - Tariff Income	28.68	35.01	<b>63.69</b>
v)	Total Revenue (iii+iv)	3546.83	15362.03	<b>18908.86</b>
vi)	Revenue Deficit(-)/Surplus(+) at Current Tariff	-4052.12	-3512.79	<b>-7564.91</b>
vii)	Revenue changed through proposed tariffs	263.07	825.61	<b>1088.68</b>
viii)	Net Déficit(-)/Surplus	<b>-3789.05</b>	<b>-2687.18</b>	<b>-6476.23</b>

## **CHAPTER-3**

### **3. TRUE UP FOR FY 2013-14 AND FY 2014-15**

#### **3.1. PROVISIONS OF REGULATIONS REGARDING TRUING UP**

- 3.1.1. The Regulation 4 of 2005 (Terms and Conditions for Determination of Tariff for Wheeling and Retail Sale of Electricity) (Principal Regulation) adopted by TSERC stipulates that the Distribution Licensee shall claim variations in uncontrollable items of the Distribution Business and Retail Supply Business. The power purchase cost is the main uncontrollable item in Retail Supply Business which can be trued up in the ARR for the year succeeding the relevant year of the Control Period. The variation of power purchase cost has been passed on quarterly basis upto the year FY 2012-13 vide Regulation 1 of 2003. This Regulation 1 of 2003 has been repealed vide Regulation 2 of 2013.
- 3.1.2. In order to recover or refund the variation in power purchase cost to the consumers, under true up mechanism, the Commission has issued Regulation 1 of 2014 duly carrying out the amendment to the Principal Regulation 4 of 2005.
- 3.1.3. Hence, as per the provisions of the above said Regulation, the Licensees are entitled to the true up of final power purchase cost for the preceding year based on the actuals (audited accounts) only and the provisional true up of power purchase cost (based on actual of first 6 months and projected figures for later 6 months) for current year in which year ARR filings are made.

#### **3.2. LICENSEES' SUBMISSIONS**

- 3.2.1. Although Regulation 4 of 2005 of the erstwhile APERC stipulates that the true up for the second Control Period from FY 2009-10 to FY 2013-14 has to be filed at the end of the Control Period as a whole along with ARR filings of FY 2015-16, the Licensees submitted the true up for retail supply business of FY 2013-14 only stating that the accumulated losses on the balance sheet upto 31 March, 2013 have been covered in the Financial Restructuring Plan (FRP) formulated by the Government of India.

3.2.2. The true up for FY 2013-14 as filed by the Licensees is shown in the Table given below:

**Table 3.2-1: True up for FY 2013-14 filed by the Licensees (Rs. Cr)**

Particulars	FY 2013-14	
	APCPDCL	APNPDCL
Aggregate Revenue Requirement	16493.21	5644.69
Revenue from Current Tariffs	14120.48	2981.05
Non-Tariff Income	15.66	69.00
Revenue from Wheeling	0.08	0.00
Tariff Subsidy	1627.48	2555.28
Net Revenue Gap/(Surplus)	729.52	39.37

3.2.3. Out of the revenue gap of Rs. 729.52 Cr for erstwhile APCPDCL for FY 2013-14, TSSPDCL has submitted the revenue surplus of Rs. 161.74 Cr after segregating the revenue gap of Anantapur & Kurnool Districts. It is not clear how these figures have been estimated. Similarly, out of the revenue gap of Rs. 39.37 Cr for erstwhile APNPDCL, TSNPDCL has submitted the revenue gap of Rs. 39.23 Cr after segregating the revenue gap of 7 mandals of Khammam District, which is stated to be Rs. 0.14 Cr.

3.2.4. The true up for FY 2014-15 as filed by the Licensees is shown in the Table given below:

**Table 3.2-2: True up for FY 2014-15 filed by the Licensees (Rs. Cr)**

Particulars	FY 2014-15	
	TSSPDCL	TSNPDCL
Aggregate Revenue Requirement	16085.88	6547.17
Revenue from Current Tariffs	13338.57	3116.55
Non-Tariff Income	11.96	28.12
Tariff Subsidy	1584.94	3140.27
Net Revenue Gap/(Surplus)	1150.41	262.23

3.2.5. TSSPDCL has claimed the revenue gap of Rs. 1150.41 Cr for FY 2014-15 and TSNPDCL has claimed the revenue gap of Rs. 262.23 Cr for FY 2014-15.



### **3.3. COMMISSION'S ANALYSIS**

- 3.3.1. Although the Licensees filed for true up based on the actual revenue but the same was not filed in accordance with the provisions contained in Regulation 1 of 2014 adopted by TSERC. The Licensees' claim under True-up was limited only to power purchase cost of FY 2013-14 (final) and FY 2014-15 (provisional).
- 3.3.2. The Commission carried out the true up of power purchase cost for FY 2013-14 and FY 2014-15 in accordance with Regulation 1 of 2014 adopted by TSERC.
- 3.3.3. The Licensees submitted the actual sales for FY 2013-14 and for FY 2014-15 upto September, 2014 and the projected sales for balance six months for their areas. The actual metered sales for FY 2013-14 was found to be lower than that approved by the Commission while the actual unmetered (LT Agl.) sales for FY 2013-14 was found to be higher than that approved by the Commission. Regarding LT Agl. Sales, the Commission restricted the sales to the Tariff Order quantity for the purpose of computing Power Purchase (PP) quantity. The Commission computed the PP quantity duly grossing up with approved losses indicated in the Multi-Year Tariff Order for the respective year.
- 3.3.4. The Licensees submitted the statement showing the details of power purchase quantity and cost incurred during FY 2013-14 and the claim of element wise cost variance in the format specified in the said Regulation.
- 3.3.5. Based on the sales considered by the Commission for FY 2013-14 and the approved losses, the power purchase quantity was trued up by the Commission for FY 2013-14 at 30999.06 MU for TSSPDCL and 11779.35 MU for TSNPDCL.

3.3.6. While truing up the power purchase costs for FY 2013-14, the Commission considered the actual fixed cost paid by the Licensees for FY 2013-14. The Commission disallowed the variable charges for the quantum of power purchase disallowed. Based on the information regarding the power purchase cost furnished by the Licensees and the audited expenses for FY 2013-14, the Commission approved the net surplus of Rs. 1201.15 Cr for TSSPDCL and net surplus of Rs. 211.76 Cr for TSNPDCL on true up of power purchase cost for FY 2013-14.

3.3.7. The Licensees submitted the estimated sales for FY 2014-15 based on the actual sales upto September, 2014 and projected sales for remaining 6 months. The Commission considered the metered sales projections of the Licensees for FY 2014-15 provisionally and the unmetered sales approved for FY 2013-14. The Commission considered the approved voltage wise loss levels for FY 2014-15 to arrive at the power purchase quantum for true up. The Commission provisionally trued up the power purchase quantity for FY 2014-15 at 33146.82 MU for TSSPDCL and 12824.96 MU for TSNPDCL.

3.3.8. Accordingly, the Commission approved the net gap of Rs. 981.94 Cr for TSSPDCL and net gap of Rs. 356.80 Cr for TSNPDCL on provisional true up of power purchase cost for FY 2014-15.

3.3.9. The total amount approved on true up of power purchase cost for FY 2013-14 and FY 2014-15 along with carrying cost is as shown in the Table given below:

**Table 3.3-1: Net amount approved on true up for FY 2013-14 and FY 2014-15 (Rs. Cr)**

Particulars	TSSPDCL		TSNPDCL	
	FY 2013-14	FY 2014-15	FY 2013-14	FY 2014-15
Opening gap/(surplus)	0.00	-1339.28	0.00	-236.12
Addition	-1201.15	981.94	-211.76	356.80
Closing gap/(surplus)	-1201.15	-357.34	-211.76	120.68
Interest rate	11.50%	11.50%	11.50%	11.50%
Interest	-138.13	-41.09	-24.35	13.88

Particulars	TSSPDCL		TSNPDCL	
	FY 2013-14	FY 2014-15	FY 2013-14	FY 2014-15
Closing gap/(surplus)	-1339.28	-398.44	-236.12	134.56

3.3.10. Hence, the Commission approved surplus of Rs. 398.44 Cr on true up of power purchase cost for FY 2013-14 and FY 2014-15 for TSSPDCL and gap of Rs. 134.56 Cr on true up for FY 2013-14 and FY 2014-15 for TSNPDCL along with carrying cost.

## CHAPTER-4

### 4. CONSULTATION WITH STAKEHOLDERS

#### 4.1. INTRODUCTION

4.1.1. The Commission received suggestions and objections on Petitions filed by TSSPDCL and TSNPDCL for approval of ARR and Tariff of Retail Supply Business for FY 2015-16 in writing as well as during the public hearings. The Commission also obtained responses from the Licensees on the comments received from the stakeholders. Since, several issues were common and were raised by more than one respondent all comments were clubbed issue-wise and summarized below.

#### 4.2. OBJECTIONS/SUGGESTIONS ON GENERAL ISSUES

4.2.1. **(A)ARR filings and Tariff Orders in Telugu:** Sri K. Santosh Kumar, and others stated that mother language has to be implemented. The petitions filed by the DISCOM's for ARR and the Tariff Order from ERC should also be printed in Telugu. This issue was raised in the previous hearing also and it is requested to implement this time.

**(B)Licensee's Response: Steps are being taken** for publishing summary of ARR Filings petition in Telugu and posting the same on the DISCOM's website.

**(C)Commission's View:**

The Discoms shall ensure that the Summary of Tariff Filings and ARR are brought in Telugu language and make available to the interested persons and shall be uploaded on their websites from next year's Tariff filings.

4.2.2. **(A)Opportunity for public hearings:** Some of the consumer welfare organisations requested that such organisations may be given an opportunity to represent in the public hearings every year.

**(B)Licensee's Response:** The matter is under purview of Hon'ble Commission.

**(C)Commission's View:** The Public Hearings were held at one venue in each DISCOM area. An adequate opportunity was provided by the Commission to all the stakeholders to participate in the public hearings.

4.2.3. **(A)Unwarranted delay in filing of Tariff:** Sri M. Venugopal Rao, Sri M.R Prasad, Ferro Alloys Association & others stated that, the delay in submission of ARR and tariff proposals by the Discoms to the Commission lacks justification. There were departures from the MYT Regulations issued by the Hon'ble Commission which contemplates unpredictability and uncertainty in tariffs.

**(B)Licensee's Response:** The Discoms have been following the MYT scheme for distribution business for the 2ndControl period i.e. 2009-10 to 2013-14 and also for 3rdcontrol period as per clause-6 of the Regulation 4 of 2005. The distribution Licensee could not file the ARR for retail supply business for the entire control period due to significant uncertainty regarding the availability of energy and the cost of power purchase for the third Control period. The Commission has granted permission to file ARR annually for the FY 2015-16 in terms of its conduct of business regulations.

**(C)Commission's View:** The delay in filings caused difficulties not only to objectors and consumers but also to the Commission. The Licensees shall make every effort to file ARR & Tariff Proposals 120 days before the effective date of Tariffs as per Sec. 64 of the Electricity Act, 2003.

4.2.4. **(A)Functioning of Commission:** Sri M. Venugopal Rao, has stated that, the Hon'ble Commission is requested to hold a special public hearing, seeking suggestions from the public on strengthening the functioning of the Commission, to protect the interests of consumers at large.

**Licensee's Response:** The matter is under purview of Hon'ble Commission.

**(C)Commission's View:** The Commission is functioning as per the provisions of the Electricity Act, 2003 and APERC (Conduct of Business) Regulations, 1999, as

adopted by TSERC vide its Regulation 1 of 2014. The Commission introduced some revisions to the Conduct of Business Regulations and notified the Draft Regulations, duly inviting objections/suggestions from the public on the Draft Regulation. Before notifying the final Regulations, the suggestions received from the stakeholders will be considered.

4.2.5. **(A) Inadequate information provided in the Petition:** Smt. P. Vydehi, Secretary (I/c), (FAPCCI) and others stated that the Licensee lacks transparency in its petition, which limits the Commission from a strict prudent check. The licensee has not submitted details regarding power purchase bills and source wise power purchase cost. There has been non-adherence to MYT principles. Truing up should be conducted on a regular yearly basis. Further, retail supply tariffs are being filed only on a single year basis, instead of 5 years. True up, for retail supply tariffs, for all the years of the second control period should be done, as per strict provisions of Tariff Regulations and necessary adjustments may be passed along with ARR & Tariff Order for FY2015-16. Licensee has also not submitted in its annual filings, gains and losses on variations in controllable and uncontrollable factors.

**(B) Licensee's Response:** The Licensees have been following the MYT scheme for distribution business for the second Control period i.e. FY 2009-10 to FY 2013-14 and also for third control period from FY 2014-15 to FY 2018-19 as per clause-6 of the Regulation 4 of 2005. The distribution Licensees could not file the ARR for retail supply business for the entire control period due to significant uncertainty prevalent on the availability of energy and the cost of power purchase for the third Control period. There was uncertainty in commissioning dates of the GENCO Stations, Central generating stations, and other generating stations.

**(C) Commission's View:** The Commission after thorough scrutiny of the filings identified the data gaps/additional information required such as source wise details of PP cost arrived etc., for finalization of the ARR and directed the Licensees to submit the same. The Licensees submitted most of the information

sought by the Commission and the Commission had duly considered the same while analyzing the ARR of the Licensees.

The Discoms expressed their inability to file ARR & Tariff proposal for Retail Supply Business for the entire Control Period on account of uncertainty in availability of energy and the cost of power purchase for the third Control period and requested for filing on yearly basis for FY 2015-16. The Commission approved the same.

The Commission in the Order carried out the Truing up of Power Purchase Costs for FY 2013-14 and provisional Truing up of Power Purchase Costs for FY 2014-15 strictly in accordance with the Regulations.

- 4.2.6. **(A) Filing on Truing up of ARR for second control period and sharing of Gains and Losses** - Sri Bhushan Rastogi on behalf of Telangana Spinning & Textile Mills Association: The Objector submitted that the second control period encompassing the FY2009-10 to 2013-14 has ended. The erstwhile Regulatory Commission in the Tariff Order for FY 2013-14 had stated that “it will take up true-up mechanism after the completion of the control period as envisaged in the relevant regulations”. A truing up exercise should be held on a regular yearly basis as held in a catena of judgments of the Hon’ble APTEL including: OP No. 1 of 2011; Appeal No. 77, 78 & 79 of 2006 in the matter of NEESCO Vs OERC; and Appeal No. 121 of 2010 dated 21<sup>st</sup> October, 2011. In view of the above, the Objector submitted that truing up has to be undertaken for all the years of the second control period as per the strict provisions of the Tariff Regulations and necessary adjustment may be passed along with the ARR and Tariff Order for FY 2015-16.

Based on the above submissions and in view of the stand taken by the erstwhile Regulatory Commission previously, the Objector prays to the Hon'ble Commission to true-up the ARR pertaining to retail-supply business for all the years of the second control period as per the strict provisions of the Tariff Regulations and necessary adjustment may be passed along with the ARR and Tariff Order for FY 2015-16. The Gains/losses up to the Year 2012-13 is covered under the FRP Scheme. The retail true up of the FY 2013-14 is claimed in these filings. As per the amended regulation 4 of 2005, TSSPDCL has also claimed True up for the FY 2014-15.

Licensees have not submitted in their annual filings, gains and losses on variations in controllable and uncontrollable items in line with clause number 10.6 of tariff regulation. Further the licensees have not provided such statement which was required by the tariff regulation.

- (B) Licensee's Response:** The TSSPDCL furnished the reply as follows: Regulation 10.7 of the Regulation 4 of 2005 stipulates as follows *"for the purpose of sharing gains and losses with the consumers, only aggregate gains or losses for the Control Period as a whole will be considered. The Commission will review the gains and losses for each item of the ARR and make appropriate adjustments wherever required. Provided that for the first Control Period, in so far as the gains and losses from the Retail Supply Business of the Distribution Licensee are concerned, these will be shared with the consumers on yearly basis"* Accordingly, DISCOM has furnished the information related to deviation in the controllable items in the ARR for the second control period along with detailed reasons.

TSSPDCL submitted that it has claimed the gains/losses up to the Year 2012-13 as per the FRP; retail true up of the FY 2013-14. And as per the amended regulation 4 of 2005 True up for the FY 2014-15.

**(C) Commission's View:**

The Commission directs the Discoms to file the true-up proposals for the Second control period as per Regulation 4 of 2005 i.e. at the end of the control period on



the basis of audited Annual Accounts. The First and Second Control period are already over.

The erstwhile Commission carried out true-up of distribution business for first control period (FY 2006-07 to FY 2008-09) and allowed the cost or benefit from true up as a pass through in FY 2014-15, in distribution business for third control period. But Retail Supply Order for FY 2014-15 was not notified due to the letter received from the erstwhile GoAP, in view of impending bifurcation of the State. In this context, it may be noted that a part of area of the erstwhile APCPDCL and APNPDCL was transferred to the present AP State as per AP Reorganization Act, 2014. Hence, the TS Discoms have to make fresh filings in this regard taking into account the changes in their territories and after segregation of assets and liabilities, in view of the above changes:

The Discoms (TSSPDCL and TSNPDCL) are directed to file the true up proposals of Distribution Business for both control periods (i.e., 1st Control Period and 2nd Control Period) after segregating the assets and liabilities of Anantapur and Kurnool districts from APCPDCL and seven mandals from APNPDCL in line with the AP Reorganisation Act, 2014, as per prevailing Regulation.

### **4.3. OBJECTIONS/SUGGESTIONS RELATED TO ARR FOR FY 2015-16 INCLUDING TRUING UP FOR FY 2013-14**

#### **4.3.1. (A) Adverse consumer sales mix for TSSPDCL and its impact on truing up:**

Smt. P. Vydehi, Secretary (I/C), FAPCII& others stated that, according to the licensee, reduction in revenue approved by Hon'ble Commission is due to reduction in the metered sales by 12.97% over the Tariff Order for FY 2013-14 approved values. The Objector urged that consumer sales mix is not classified as an 'uncontrollable factor' as per the Terms of the Tariff Regulations and hence the Licensee has to absorb the burden of under recovery on account of adverse consumer sales mix without levying any burden on this account on the consumers.

**(B)Licensee’s Response:** The Licensees claimed true-up for expenses incurred as per audited accounts and as per the Regulation No 1 of 2014 of APERC adopted by TSERC. The Licensees submitted that as it is the actual cost incurred, Hon’ble commission is requested to allow the same.

**(C)Commission’s View:** The Commission normally determines the sales quantum for each category as far as metered categories are concerned which will be based on historical growth rate or techno-econometric and government planned works for domestic, industry, lift irrigation etc. The actual quantum may differ due to various reasons. The Commission in the Tariff orders and in the True-up regulation 1 of 2014 of APERC adopted by TSERC specified that the LT agriculture consumption shall be limited to approved quantum which is mostly subsidized by the Government. The actual sales of metered category of subsidized or subsidizing categories may vary from time to time but the overall annual sales may not vary much. . The Commission carried out the truing up of Power Purchase Cost for FY 2013-14 and provisional truing up of Power Purchase Cost for FY 2014-15 strictly in accordance with the Regulations as discussed in Section 3 of the Order.

4.3.2. **(A)Variation in sales figures for FY2013-14:** M/s Deccan Smiths& others stated that, the reduction in sales is shown as 12.97% in the petition but the same does not tally with the figures shown in tables and other places in ARR.

**(B)Licensee’s Response:** The sales reduction shown as 12.97% pertains to reduction in metered sales in FY2013-14 as against the Tariff order approved sales as given below:

Particulars	2013-14 (APCPDCL)		
	APERC Order(MU)	Actuals(MU)	Variance (%)
Metered Sales	26061.59	22679.24	-12.97%
LT Agricultural Sales	8073.9	9190.49	13.82

**(C)Commission’s View:** The reply furnished by the licensee is satisfactory

4.3.3. **(A)Discoms submitted unrealistic & inflated power requirement:** Mr M.R Prasad, Telangana Ferro Alloys Association& others stated that, the DISCOMS are submitting unrealistic and inflated power requirement in the industry consumption requiring purchase of high cost power. They requested the Commission not to allow such inflated estimates.

**(B)Licensee's Response:** The sales to industrial category in previous years (FY 2014-15 and FY2013-14) have been constrained due to restriction and control measures. For FY 2015-16 sales has been arrived after adjusting for restriction and control (R&C) measures which were earlier in place. Sales for other categories were done on realistic basis considering historical trend and future plans. The overall sales of TSNPDCL for FY 2015-16 are projected to grow at 10% over the FY 2014-15 & the growth rate is 12% for TSSPDCL.

**(C)Commission's View:** The Commission examined the projected sales of Industry category for FY 2015-16 based on the CAGR for past 5 years, impact of R&C measures on reduction of sales in this category in previous years and accordingly determined the sales and arrived at the Power Purchase (PP) requirement duly grossing up the same with approved losses as discussed in detail in Chapter5 of the Order. Similarly, the source wise PP cost was verified after prudence check to arrive at the source wise PP cost and total PP cost for the year FY 2015-16.

4.3.4. **(A)Overall sales projections:** M/s Deccan Smith & others stated that Compared to the previous years, the growth rate on actual ground has come down which is as per the statistics in the public domain. These facts have not been considered by the DISCOM for the energy deficit and power purchase.

**(B)Licensee's Response:** Sales projections are made as per the historical sales data, upcoming loads which will have large impact in the sales, anticipated economic & climatic conditions, Govt. policies on industry, etc. The licensee is projecting sales with the acceptable scientific methods. The DISCOMs have

projected the sales keeping in view the economic condition of the districts after the bifurcation, increasing industrial activity, focus of new government on industries and commercial activities.

**(C)Commission's View:** The Commission has approved the category-wise sales based on the analysis made by it as discussed in Para 4.3.3 (C) and in Chapter 5 of the Order.

4.3.5. **(A)Short term power purchase without regulatory approval:** Mr M. Thimma Reddy and others stated that, TS DISCOMs procured 8713MU through short term market purchases constituting nearly 18% of the power procured in the state, without regulatory approval. Additional demand was only during peak period, but DISCOMs procured power from short term markets in RTC basis. It is not clear as to what kind of bidding process the DISCOMs have adopted for short-term purchases. The terms and conditions of entering into contracts are also unclear.

**(B)Licensee's Response:** During FY 2014-15, energy requirement has been significantly higher than the energy availability. Further, due to a bad monsoon year, hydel energy availability has significantly reduced in FY 2014-15. To fulfill the promise of providing 7 hours of supply to Agriculture consumers, TSDISCOMS had to resort to power purchase from Short term sources. TS DISCOMS have contracted short term power through a transparent competitive bidding process.

**(C)Commission's View:** The erstwhile APERC in its tariff order for FY 2013-14 approved the quantum of short term purchases and ceiling price. Further, the short term purchases have to be made by the Licensees in a transparent manner within the guidelines issued for short term purchases by Ministry of Power, GoI. Normally, the generators are willing to supply the power Round the Clock (RTC) and it is cheaper if it is procured under RTC basis. In the shortage scenario, RTC power is required. Over and above, the Discoms are procuring power from exchanges to meet the peak demand to the extent available.

**Regarding the transparent process of procurement of short term purchases under RTC, the Commission directs the Licensees to obtain the prior approval of the Commission.**

4.3.6. **(A)Procurement of power from short term purchases:** Mr M. Venugopal Rao & others, stated that, under PPA, signed with TPCIL, the estimated variable cost for TS DISCOMs for this plant is a sum of Rs 1.82 per kWh and fixed costs is a sum of Rs 352 Crore, whereas AP DISCOMs have considered a sum of Rs 1.78 per kWh as variable cot and fixed costs of Rs 313.29 Crore. Further, TPCIL has advanced the commencement of supply to DISCOMs to 1st April 2015. He requested the Commission to examine whether agreeing to advancement of commencement of supply of power to 1st April, 2015 by this project is desirable and beneficial, especially in view of binding contractual obligations on the DISCOMs to purchase surplus short-term power or pay penalty, if any, for non-purchase. Purchases of power and surplus (reserve margin) should be restricted to prudent level by the Commission.

**(B)Licensee's Response:** TS DISCOMS have contracted short term power so that there is no energy deficit in FY 15-16 and also in view of disputes in not scheduling of legitimate share of power to Telangana DISCOMs. Considering the fact, that currently all short term power is being consumed, it is expected that complete contracted short term power would be used at least till power starts flowing from all upcoming long term sources. In case of any surplus, TSDISCOMS would make an earnest effort to sell the surplus power to other states facing deficit. Variable cost per unit and fixed cost have been considered for FY 2015-16 based on the tariff quoted by the bidder while participating in Case-I Long Term tender.

**(C)Commission's View:** The reply provided by the Licensees in this regard is not appropriate. **The Commission directs the Licensees to justify the difference in rates for TSDISCOMS vis-à-vis APDISCOMS for procurement of power from TPCIL and also financial implication of advancement, if any, compared to PPA terms.**

4.3.7. **(A)Availability of power from gas based IPPs:** Sri M. Venugopal Rao and others stated that, the Government of India has reportedly agreed to divert 2.4 MMBTU of natural gas from the supplies being made to fertilizer plants to enable generation of additional 450MW from the gas-based projects in A.P. which supply power under PPAs to the DISCOMs of Telangana and A.P. From this, TS DISCOMs can get their share of 242 MW. If natural gas supplies are ensured, then 50 MU per day additional power can be procured.

The DISCOMs have informed that GVK phase I PPA is expiring in June 2015 and Lanco Kondapalli stage I PPA is expiring in December 2015. Responding to one of the queries the Objector had put forth earlier, the DISCOMs had replied that for GVK (stage I) Plant & SPGL Plant, APDISCOMS have initiated steps in accordance with the procedure stipulated in the respective PPAs and would evaluate the benefits of the Options (examining the R&M proposals of IPPs and PPA Renewal (or) Buy-out of the Project) provided in the aforesaid agreements and submit the same to this Hon'ble Commission, for its Scrutiny and directions. He requested the Commission to issue necessary directives to the DISCOMs in this regard.

**(B)Licensee's Response:** The natural gas supplies from RIL KG D6 fields to the New IPPs viz., 220 MW GVK Extn, 370 MW GMR Vemagiri, 464 MW GVK Gautami and 444.08 MW Konaseema became zero from 01.03.2013 onwards and hence there is no generation from these plants. To tackle the prevailing shortage of Natural gas for the aforesaid new IPPs, TSPCC is making arrangements towards additional generation with RLNG by way of swapping with KG D6 Gas. TSPCC appraised the Government of India about the power deficit that is being faced by Telangana State and requested for allotment of 5 MMSCMD RLNG( under swapping arrangement with KG D-6 Gas) for additional Generation of 1000 MW. The Government of India & Ministry of Fertilizers accepted to swap 2.4 MMSCMD of gas with RLNG, which will generate 450

MW approximately out of which TSDISCOMs share will be around 240 MW. The swapping arrangement is yet to be commenced.

Regarding the expiry of PPA's of IPPs i.e. M/s. GVK-I, M/s. SPGL & M/s. LANCO, TSDISCOMs examined the merits and demerits of PPA renewal or Buy-out of the Projects and as per the provisions of the PPA, TSPCC took a decision to go for Buy-out duly appointing IFCI (a Govt. of India enterprise) as an Appraiser. The above process is under progress. After the evaluation i.e. determination of Buy-out price the same will be put before the Hon'ble Commission for its approval.

**(C)Commission's View:** The action taken by the DISCOMs for swapping of gas is appreciable in view of declining price of petroleum products. Further action may be taken at government level so as to commence the swapping of gas. Regarding action taken by DISCOMs on the expiry of PPAs of IPPs M/s. GVK - I and M/s. LANCO is satisfactory.

**The Licensees are directed to submit the complete details of Buy Out Price for GVK-1 and LANCO Kondapally for approval of the Commission.**

- 4.3.8. **(A)Non-conventional Energy and Renewable Purchase Obligation:** Sri M. Venugopal Rao and others stated that, long-term PPAs with private developers to purchase non-conventional energy are leading to higher costs. Hence, it is requested the Commission may reduce the percentage of NCE power to be purchased by the DISCOMs from the 5% determined by it under the existing Renewable Power Purchase Obligation order. TSGENCO should be encouraged to fully make use of the incentives being given by the GoI and the State Government for setting up solar energy units and the power generated by them be supplied to agriculture during day time.

**(B)Licensee's Response:** The Regulation No. 1 of 2012 dealing the Renewable power purchase obligation (RPPO) was issued by the erstwhile APERC in the year 2012 with mandatory purchase of RE (NCE) power with a quantum of 5%

from total purchases (out of which 0.25% from solar sources) in a Financial year by obligated entities, viz, Distribution Licensees, Open Access Users and Captive Consumers. The quantum of energy to be purchased by distribution licensees is to be re-looked into by considering the AP Reorganization Act-2014 (bifurcation of States). The issue of establishing the solar plants by TSGENCO by utilizing the incentives provided by GoI and GoTS is not in the purview of TS Transco/TSDISCOMs.

**(C)Commission's View: The Commission will examine the availability of power from NCE sources in Telangana state before amending the RPPO Regulation No. 1 of 2012.**

4.3.9. **(A)Fuel Prices:** M/s Deccan Smiths private ltd. & others stated that, private power producing companies are inflating the cost of coal and fuel etc., and thereby inflating the selling price of the power. The Commission may appoint scrutinizers, persons from consumer's side and independent technical consultants to audit the fuel cost of power generating companies

**(B)Licensee's Response:** The purchase price of power per unit of various sources cannot be uniform as it depends on various factors such as nature of Fuel, the location at which the station located, the technology used, etc.

**(C)Commission's View:** The Commission after conducting prudent check on the landed cost of coal determined the source wise Power purchase cost for FY 2015-16, which does not include any escalation in fuel prices as filed in ARR. The erstwhile Commission had issued regulation on appointing auditor in compliance of its directives. As all the regulations, directives, orders issued by the erstwhile Commission (APEREC) are adopted by this commission, the Commission would appoint auditor to examine the issues raised by the objector, wherever necessary.



4.3.10. **(A)Conflicting claims of TSGENCO & APGENCO on their respective shares of Power projects:** Sri M. Venugopal Rao and others stated that projection on availability of power and their shares therein as incorporated in their ARR submissions to TSERC by TS DISCOMs and to APERC by AP DISCOMs for the year 2015-16 contain mutually conflicting claims. Telangana State DISCOMs TSSPDCL and TSNPDCL have projected their share in NCE units as per geographical location and as per the PPAs entered with erstwhile APCPDCL. In the ARR for 2015-16 submitted to TSERC, they have considered a share of 52.12% in CGS as per recommendations of a committee headed by the chairperson of the CEA appointed by the GoI. Telangana,

AP DISCOMs have considered PLF of 75% for thermal stations of AP Genco, TS Genco and CGS, TS DISCOMs have considered average PLF of 80% for thermal stations of TS Genco and AP Genco. Similarly, while AP DISCOMs have considered availability of natural gas for four old IPPs at 41% PLF, TS DISCOMs have considered it as 30% PLF.

AP DISCOMs projected a requirement of 58,191 MU for 2015-16; Telangana DISCOMs have projected a requirement of 52,100 MU. Even after considering the element of inflated demand, there is no basis to justify the above ratio of 44.11:53.89 between the two States. Average consumption of power in respective areas also does not provide any rational basis for distribution of power between the two States.

**(B)Licensee's Response:** In accordance with the Clause C (2) of schedule XII of the AP Reorganization Act and as per G.O.Ms.No.20, dt: 08.05.2014, the allocation of power generated from the existing and the ongoing power plants located in both the states should be in the ratio of 53.89% & 46.11% respectively for Telangana and Andhra Pradesh. Government of Telangana on behalf of TSDISCOMs have already submitted its views on the sharing of the power from the Central Generating Stations, interstate hydel generating stations, IPPs, NCEs and the State owned Power Generating stations located in AP & Telangana

states, before the Committee constituted by MoP, Govt of India, under the chairmanship of Chairperson/CEA, to resolve the issues cropped up post state bifurcation between the TSDISCOMs and APDISCOMs. Decision of the Committee is awaited.

**(C)Commission's View:** The reply furnished by the DISCOM is acceptable since it is in line with filings of the DISCOM. Regarding consideration of Plant Load Factor (PLF) of stations, the Commission considered the energy availability/PLF as discussed in detail in Chapter 5 of the Order. This Commission is not concerned with the computation of quantum of power required by the AP state.

4.3.11. **(A)Power Availability:** Sri K. Raghu & others stated that, there is substantial difference between DISCOMs of AP &Telangana on the total quantum of power available from each plant. The Objector has further stated certain points:

- TS DISCOMs have estimated that power available from Dr NTTPS unit I, II, III during FY 2015-16 will be 8057MU, and according to APDISCOMS, it will be 7554MU.
- There is no clarity as to how the tariff for GENCO plants shall be determined.
- TS DISCOMs filings show that there is almost 11,000MU power surplus, whereas Chief Minister of Telangana, is saying there will be power shortages.

**(B)Licensee's Response:** TSDISCOMS have projected the energy availability from various energy sources as per the AP Reorganization Act and as per best estimates of parameters like coal availability, maintenance schedules, PLF etc. from existing stations as well as upcoming stations of Andhra Pradesh like Krishnapatam, Hinduja etc. If these stations achieve CoD as per the projection of ARR and share power with Telangana as per AP Re organization Act, this would result in the Energy surplus scenario as projected in the ARR.

**(C)Commission's View:** The Commission analyzed the source wise availability of power and projected the energy availability from various sources as discussed in detail in Chapter 5 of this Order.

4.3.12. **(A)Power Purchase Cost:** Sri M. Thimma Reddy and others made the following submissions regarding Power Purchase Cost

- Draft PPAs of KTPS VI, KTPP I, KTPPII units of TSGENCO are pending before the Commission since 2009. According to CAG report, excess fixed cost incurred in KTPP I was Rs 555.48 cr.
- Variable cost escalation of 2%, proposed by the DISCOMs, is not required. If there is any change in fuel prices, then, it should be addressed through existing FSA (Fuel Surcharge Adjustment).
- The fuel cost from KTPS VI is Rs 2.73 per unit, which is higher than other units located at Kothagudem.
- Certain changes are also made in PPA of Hinduja Plant, which should be examined through public hearings. HNPCL was provided with sovereign guarantee earlier. It was said that its cost shall be equal to NTPC's Simhadri unit II. As there was inordinate delay in setting up the project even after fuel linkage, liquidated damages shall be collected from it as provided under the PPA.

**(B)Licensee's Response:**

The Licensees in response to above issues replied as under:

- The issue related to approval of PPA is not in purview of DISCOMs.
- It is to be noted that all thermal stations run predominantly on coal supplied from domestic sources like MCL, SCCL etc. while imported coal is being used only in case of domestic coal shortfall. With the recent increase in rail freight rates for coal by 6.3% and increase in green cess to

Rs. 200 per metric tonne, the cost of coal is expected to increase significantly which would increase the variable cost of production. Still, TSDISCOMS have taken a conservative estimate and projected the increase in variable cost only by 2%.

- Originally KTPS-VI stage was totally linked to M/s Mahanadi coal fields Ltd. to an extent of 2.31 million tonnes per annum. Ministry of Coal, GoI has swapped the coal linkage from MCL to SCCL. Fuel supply agreement will be entered with the SCCL for supply of Coal to this unit.
- Memorandum of Agreement (MoA), was entered on 17-05-2013 by the erstwhile APDISCOMs with M/s HNPCL for entering amendments to the existing PPA in line with the Regulations & EA2003. As per the MoA, the Draft amendments are prepared by the both parties and discussed during the meetings with M/s HNPCL. The proposed amendments are sent to M/s HNPCL for their comments. After finalization of the draft amendments, same will be submitted to the Commission for approval.

**(C) Commission's View:**

- Regarding approval of Draft PPAs of KTPS VI, KTPP I, KTPPII, the Commission shall examine the merits of each case in due course.
- Regarding the excess fixed cost incurred in KTPP I as per the report of CAG, this issue was considered by the erstwhile APERC in its order dated 31-05-2014, on determination of tariff for APGENCO stations for second control period.
- The Commission did not consider any escalation on fuel prices while estimating the source wise power purchase cost for FY 2015-16.
- Regarding the issue raised on fuel cost of KTPS VI, the reply of the Licensees is in order.
- The reply furnished by the Discoms on the issues of PPA of M/s HNPCL is satisfactory and the process of determination of tariff for M/s HNPCL is not yet completed.

4.3.13. **(A)Usage of imported coal by TSDISCOMS:** Sri M. Thimma Reddy and others stated that, TSDISCOMs have claimed they would not be using imported coal. But, TSDISCOMs are accessing power from CGS & APGENCO thermal units, so they need to pay attention to the directives issued by Commission related to utilization of imported coal.

**(B)Licensee's Response:** TSDISCOMS will adhere to the directives issued by the Hon'ble Commission.

**(C)Commission's View:**

The directives issued by the erstwhile APERC on usage of imported coal in Thermal stations has been adopted by this Commission vide its Regulation 1 of 2014. In view of the above, the Commission directed the DISCOMs to adhere to these Directives which are reproduced here under:

- *DISCOMs are directed to ensure that APGENCO shall follow the recommendations of the CEA, contained in clause 7.1 of the CEA document "Report of the Group for Studying Range of Blending Of Imported Coal With Domestic Coal" released in the month of April'12, which reads as follows:*
- *About 10-15% blending of imported coal by weight (15-25% on heat value basis) can generally be carried out in typical existing Indian power boilers designed for low quality Indian coals.*
- *Similarly, for new stations designed higher GCV coal, the CEA in its letter No.CEA/TE&TD-TT/2011/F-901-111 dated:19-04-2011 addressed to all State Power Secretaries, Thermal Power generating companies/project developers etc, mentioned as follows:*
- *Accordingly, all power generating companies, power project developers and power equipment manufacturers are hereby advised that for the purpose of design of boilers for all future indigenous coal based thermal power plants, a stipulation shall be made that the boilers (including auxiliaries) shall be designed*

*for blend ratio by weight of 30:70 % (or higher) imported/high GCV indigenous coal.....”*

*In view of above, the DISCOMs shall ensure the limit of usage of imported coal as above.*

- *Regarding usage of imported coal in CG Stations, the DISCOMs may insist the CG Stations to follow the orders issued by CERC, if any, or may advise the CG Stations to follow the CEA guidelines in this regard.*

**4.3.14. (A) Generation tariff for FY14-15 & FY15-16:** Sri M. Thimma Reddy & others stated that, Order on Generation Tariffs for FY 2014-15 to FY 2018-19, is yet to be passed. Till the time the generation tariffs are not finalized for TSGENCO & APGENCO stations, following may be considered:

- No escalation in Variable charges
- 20% fixed costs should be disallowed, as in cost plus model, fixed costs generally fall, year on year, because ROCE decreases as loan gets repaid. Subsequently, tariff remains flat, as there is slight increase only on account of O&M expenses.

**(B) Licensee's Response:** Keeping in view of the increase in cost of coal, increase in rail freight and diesel charges, TSNPDCL considered a conservative estimate of 2% escalation in the variable cost. Issuing of Generation Tariff Order is not in the Purview of the Licensee. Telangana DISCOMs will take appropriate steps as per the AP Re Organization act.

**(C) Commission's View:**

The filing for determination of Generation tariffs for the Control period from FY 2014-15 to FY 2018-19 yet to be made by TSGENCO. Pending determination of tariff, the Commission accepted the provisional fixed cost filed by TS DISCOMs for the existing stations and new stations. There is a possibility of reduction in fixed cost on account of ROCE, depreciation, loan repayment, but year on year O&M cost increases and hence without determination of Tariff, it is not appropriate to reduce the fixed cost as suggested. The variation in the provisional fixed cost is allowed at present and actual fixed cost is to be

determined for FY 2015- 16 of the control period, which will be allowed as a pass through.

Regarding variable cost, the Commission did not consider any escalation in fuel prices for projecting the power purchase costs for FY 2015-16.

4.3.15. **(A) Avoidance of short term purchase** - M/s Salguti Industries stated that resorting to short term power purchase will burden the consumers, especially short term purchases. The Honb'le Commission may kindly take a note of this concern and give appropriate directions to the Discoms for long term purchase of power at reasonable rates.

**(B) Licensee's Response:** Based on the projected demand for the coming years, Discoms are taking all measures for procurement of power under long term basis. Procuring 2000 MW of power on long term basis under competitive bidding is currently under progress. An MOU for procuring 1000 MW of power from Chattisgarh has already been signed.

**(C) Commission's View:** There are standard directives from the Commission that the licensee has to resort to long term purchases. In the event of non-availability of long term purchases, the Discoms have to procure power on short term basis with the prior approval of the Commission. After examining the availability of long term and medium term sources, the Commission is approving the short-term purchases in the Tariff Order in order to meet the approved power purchase quantum requirement.

4.3.16. **(A) Power purchase costs of DISCOMs for FY 2014-15:** Smt P. Vydehi, Secretary (I/C), FAPCII and others stated that, power purchase cost per unit computed by TSNPDCL in the current petition has increased by 9.8% in FY 2014-15 and tapered by around 3.6% in the ensuing year FY 2015-16 & 15.5%, in FY 2014-15 and then has tapered by around 2.8% IN FY 2015-16, for TSSPDCL. The Objector submits that the power purchase cost for FY 2014-15 seems to be an aberration in view of the power purchase prices incurred in FY 2013-14 and the estimates for FY 2015-16.

The proposed price for bilateral and market purchases seems to be unreasonably high considering the recent trends in the price of power traded in open market and exchanges. So, it is humbly prayed to the Hon'ble Commission to fix maximum ceiling price at Rs 5.06 per unit as against Rs 6 per unit projected by DISCOMs.

**(B)Licensee's Response:** Source wise power purchase cost information has been provided in the filings. TSDISCOMS have considered Bilateral purchases at average Rate of Rs 6.00/Unit. It is expected to get power from generators located within Telangana, within SR and outside SR. Price variation on IEX is very dynamic and it cannot be taken as an indicator for fixing the ceiling price of short term purchases. TSDISCOMS request the Hon'ble Commission to fix the bilateral power purchase cost considering the power contracted with generators.

**(C)Commission's View:**

The Commission examined and prudently checked the cost of source wise power purchase incurred during FY 2013-14 and trued up as per Regulation 1 of 2014 of APERC adopted by TSERC. Similarly for FY 2014-15, the Power purchase cost incurred up to December' 2014 and provisional cost for the balance three months is taken and provisionally trued up under the same Regulation. The net impact of truing up of power purchase cost of these two years has been considered in the ARR of Retail Supply Business of FY 2015-16.

As regards to computing the source wise PP cost for FY 2015-16 in the ARR, the Commission took the last nine months (April-December, 2014) actual weighted average cost after prudent check.

After considering the prevailing average inflation rate of 7% approximately and Price indexes (CPI & WPI), the Commission determined the maximum ceiling price at Rs.6.00 per unit which is reasonable when compared to the maximum ceiling price Rs.6.11 per unit approved in the Tariff Order for FY 2013-14.



4.3.17. **(A)Power purchase costs for FY 15-16:** Smt. P. Vydehi, Secretary (I/C), FAPCII and others stated that,

- Share of Energy from RTPP Stage III & Damodaram Sanjeevaiah TPP I and II: The Objectors submit that the allocation of share of energy from RTPP Stage III and Damodaram Sanjeevaiah TPP I and II between Telangana and Andhra Pradesh is not clear as there are conflicting figures stated by the different distribution licensees of the two states.
- Power Purchase Quantum from APGENCO and TSGENCO stations – It is observed that the power procurement from certain APGENCO and TSGENCO stations has been considered on a conservative basis without any sound reasoning. The PLF from thermal power stations namely Dr. NTPPS II, Dr. NTPPS III, Dr. NTPPS IV, RTPP I, RTPP Stage II, RTPP State III and Kakatiya TPP Stage I totaling around 2890 MW have been projected to decline by around 2.79% to 15.40% as compared to the actually achieved PLF in FY 2014-15 (up to Jan 2015). This should thus reduce the ARR.
- The variable costs in FY2015-16 for APGENCO, TSGENCO, NTPC & NLC stations are projected by the Licensee at an escalation of 2%. The Power procurement based on escalation is not in line with Tariff Regulations.

**(B)Licensee’s Response:** TSDISCOMS projected the energy availability from various energy sources as per the AP Reorganization Act and G. O Ms No 20 and as per best estimates of parameters like coal availability, maintenance schedules, PLF etc. TSDISCOMS have projected. Fixed cost and variable cost escalation are based on information available and also increase in coal cost. TSDISCOMS have projected energy availability and power purchase cost totally independent of the method followed by APDISCOMS. Keeping in view of the increase in cost of coal, increase in rail freight and diesel charges, TSNPDCL considered a conservative estimate of 2% escalation in the variable cost. TSDISCOMS request the Hon’ble Commission to accept this escalation in

variable cost. Any deviations against the approved values would be adjusted in true up activity.

**(C)Commission's View:**

The reply given by DISCOM stating that the sharing of energy from RTPP stage-III and Krishnapatnam Plant I & II (Damaodaram Sanjeevaiah Thermal Power plant) is projected as per the AP Reorganization Act, and G.O. Ms. No. 20 of the erstwhile AP Government is found to be in order.

The Commission estimated the availability of energy/PLF from APGENCO and TSGENCO thermal stations for FY 2015-16 based on the projections of generation as detailed in Chapter 5.

Regarding variable cost, the Commission has not considered any escalation in fuel prices for projecting the power purchase costs for FY 2015-16.

4.3.18. **(A)Inflated power purchase cost& short term power purchases:** Sri M. Venugopal Rao and others stated that, the Commission should ensure that competitive bidding followed for importing coal and which is the best method. The Directive on monitoring of cost of imported coal procured by APGENCO & NTPC is not complied with. Further, Costs of Short term contracts entered into should be examined.

**(B)Licensee's Response:** Procuring coal through competitive bidding is not under the purview of TSDISCOMS. The Coal linkages for the Power stations generally are provided by standing linkage committee- long term (SLCLT), Ministry of Coal, GoI. The existing power stations (KTPS, KTPP and RTS-B) of TSGENCO are linked to SCCL as per the linkage approved by GoI. The new project proposed by TS Genco is designed to utilize both indigenous coal and imported coal. TSGENCO power stations are having coal linkage of 10.67 MT/Annum (SCCL-8.36MTPA & MCL- 2.31MTPA) against the requirement of 13.16MT for the TS Genco is designed to utilize both indigenous coal and imported coal. TSGENCO power stations are having coal linkage of 10.67

MT/Annum (SCCL-8.36MTPA & MCL- 2.31MTPA) against the requirement of 13.16MT for FY 2014-15. The linkage materialization from MCL is in order of 40%. To meet the requirement SCCL is supplying additional quantity over and above the linkage quantity. M/s. SCCL is claiming additional price for supply of additional quantity. However, the issue of payment of additional price to SCCL is under correspondence.

**(C)Commission's View:** The reply furnished by DISCOMs not directly relevant to the objection raised. However, the directive of erstwhile APERC in tariff order of FY 2013-14 in this regard is considered to be still valid now and accordingly it is reproduced below. The DISCOMs are directed to comply with the same.

**“Monitoring the Cost of imported Coal procured by APGENCO and NTPC:**

*The Commission directs the DISCOMs to verify whether APGENCO is procuring imported coal through competitive bidding process, or under any guidelines issued in this regard by GoI, before admitting the Station wise power purchase bills claimed by APGENCO. Regarding NTPC Stations, DISCOMs have to take-up the pricing issue of imported coal, if any, with CERC.”*

Regarding procurement of short term power and its process, the erstwhile APERC has issued directives in the Tariff Order which is reproduced below and it is valid still now.

**“Maximum Ceiling on Purchase Price through Short Term Sources**

*The Distribution licensees are directed to follow the guidelines issued by the Government of India u/s 63 of the Electricity Act, 2003 or the guidelines of Commission i.e., web based competitive procurement, for all purchases from Short Term Sources.”*

*Further, in case of procurement on emergency basis, the DISCOMs are directed to submit the details of methodology followed, along with source-wise price of procurement.”*

4.3.19. **(A)Objections regarding fixed cost & PPA of HNPCL:** Sri M. Venugopal Rao and others have questioned that, whether the DISCOMs signed the final PPA with HNPCL and submitted the same to the appropriate ERC. The Objector further states that, he had submitted queries on ARR and tariff proposals for 2014-15, the DISCOMs had replied that they and HNPCL were likely to sign the PPA on 31.3.2014. In their ARR proposals for 2014-15, the DISCOMs informed that “the licensees have considered the fixed and variable costs for upcoming HNPCL power plant to be same as the costs for NPTC Simhadri Stage II. However, actual tariff would be subject to approval of Hon’ble Commission.” “The DISCOMs have shown the Objector, cost of power from NTPC Simhadri stage II as Rs.3.74 per unit. The State Government has directed the DISCOMs to enter into a ‘continuation agreement to the PPA of 1998 with M/s HNPCL’, they had explained earlier. Since the agreement is still pending for the Commission’s consent, and the DISCOMs have not explained whether HNPCL has agreed to the tariff on par with that of NTPC’s Simhadri stage II, there seems less sanctity or legality in the DISCOMs proposing to purchase power from HNPCL at the presumed or speculative rate.

**(B)Licensee’s Response:** The Variable Cost of Simhadri STPS is considerably high when compared to the Variable Cost of HNPCL as 40 % of required Coal is being imported in view of the shortage of indigenous Coal. The HNPCL has yet to start generation and Variable Cost arrived by HNPCL is based on 100 % of indigenous Coal.

**(C)Commission’s View:** The DISCOMs projected the share of power from HNPCL as per AP Reorganisation act, 2014. Regarding price, the reply furnished by DISCOMs holds good.

4.3.20. **(A)Objections regarding FRP:** Sri M. Thimma Reddy and others stated that, according to the financial restructuring plan, the State Govt will stand guarantee to the bonds issued to cover 50% of the accumulated losses. According to the TSDISCOMs filings, it is not clear whether, State Govt, will repay the bonds, or will come to picture in case of a default by the DISCOMs. Further, the bonds issued by Govt, covers only 40% instead of 50%.

Further, the Objector has stated that, filings of TS DISCOMs show that, 60% losses need to be structured as loans. But, the amount of Rs 2450 Crore proposed to cover the losses constitutes only 40% of their burden. Hence, it is unclear, about how the remaining 60% is to be covered.

**(B)Licensee's Response:** The State Govt. is required to take over 50 % of the outstanding short term liabilities (STL) corresponding to the accumulated loss as per audited accounts of the DISCOMs as of March 2013 , the cutoff date for implementation of FRP in combined State. Initially Bonds are issued by the DISCOMs and GoTS will take over the bonds in two to five years depending upon its fiscal space. DISCOMs are taking up the issue to take over the bonds in FY 2014-15 itself by GoTS. Interest and repayments of bonds is the liability of GoTS. Further, GoTS has already paid Rs227 Crore interest on bonds relating to first half of FY 2014-15.

The details of losses and contribution of each component is already enclosed in the Director's Report of the company Annual accounts 2012-13.

The scheme basically meant to make DISCOMs financially viable and to restructured the short term loans and Govt. proposed that, the 50% of STL shall be issued in the form of bonds to Banks. The bonds will be repaid by the GoTS along with interest. The scheme proposes to restructure the balance of Short terms Loans to the extent of 50% of Short term loans outstanding as on 31-03-2013. The interest and repayment of restructured loans will be the commitments of DISCOMs.

TSSPDCL in its reply submitted that "During the Financial Year 2012-13, Company has incurred a Business Loss of Rs. 7718.29 Crore which includes operational loss of Rs.2078.04 Crore. The operational loss is due to increased power purchase costs and the GoAP has not subsidized in total the power purchases and the interest paid for Rs. 790.13 Crore on Short Term Loan drawn for purchase of Expensive Power during the Financial Year 2012-13 which also resulted in loss for the current financial year 2012-13. Apart from the above the Company had written off unapproved Fuel Surcharge Adjustment [FSA] by Honorable APERC for FY 2009-10 to 2011-12 amounting to Rs. 948.17 Crore. During the year the Company had also made provisions towards unbilled and uncollected FSA of Rs. 637.81 Crore for the period 2009-10 to 2010-11 (1st Quarter) due to stay on FSA billing and collections as per the Orders of Hon'ble High Court, and Government receivables to the extent of Rs. 181.23 Crore which are due towards Single Bulb subsidy, Tatkal Subsidy and Subsidy receivable from Government in support of Third Transfer Scheme in respect of taking over of REC Loan and Vidyut bonds. The Government receivables towards additional power subsidy of Rs.3877.87 Crore have been provided as doubtful. The above provisions have been made due to non- commitment by GoAP, non-receipt of subsidy from GOAP and there being no provision in budgetary support for Government subsidy towards additional power during FY2013-14. The Company had also made provision for Rs. 82.13 Crore towards the RESCOs absorption of Assets and Liabilities and Certain Fixed Assets of RESCOs have been written as their net book value is unrecognized. The above provisions were made as there was no commitment received from the Government, regarding these receivables. All the above factors have resulted in the net accumulated losses of Rs. 7829.81 Crore. Because of the increased accumulated losses the net worth of Company as on 31.03.2013 is showing a negative balance of Rs. 5315.83 Crore. The losses are recoverable through true-up mechanism in Tariffs of ensuing years, and the Financial Restructuring package is to be implemented by Government of Andhra Pradesh.

DISCOMs have raised STL to meet expensive power purchase cost, increase in power purchase cost due to inflation and cost associated delayed collection of FSA etc. The GoAP/GoTS had agreed to take over their commitment towards expensive power purchase.

**(C)Commission's View:** The Commission is of the view not to consider the interest claimed pertaining to Financial Restructure Plan (FRP) in this Tariff Order as it does not relate to this year and the Commission did not approve the FRP Scheme.

4.3.21. **(A)True up for FY13-14 & 14-15:** Sri Thimma Reddy and others stated that, TSDISCOMs claim Rs. 1,463.30 core under true up for the FY2013-14 and 2014-15. But they do not provide any justification for the same. Even whatever information provided by them is confusing. TSSPDCL in its filing (pp.50-51) mentioned revenue of Rs. 13,295 Crore for the year 2013-14 and supply cost of Rs. 11,865 core, but mentioned the difference between the two (true down) as Rs. 161.74 Crore.

**(B)Licensee's Response:** The TSNPDCL claimed for an amount of Rs. 49 Crore and Rs. 293 Crore for FY 2013-14 and FY2014-15 respectively under true up along with carrying cost. In absence of the Tariff Order for the FY 2014-15, TSNPDCL claimed provisional revenue gap for the FY 2014-15 as a true up. For TSSPDCL, in the filings the supply cost of Rs. 11865 cores is the retail supply cost. But to arrive at the retail supply gap alone, the revenue from the distribution business consumers has to be considered as the same as the Tariff order value. Hence the Gap of Rs. 161.74 cores arrived for TSSPDCL after netting of the approved distribution cost.

Particulars	Rs in Crore
Supply Cost	11865
Revenue	13295
Gap	-1430
Distribution Cost	1269

Net Gap	-161
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**(C)Commission’s View:** The DISCOMs have to submit the true-up filings on variation of power purchase cost for FY 2013-14 and FY 2014-15 as per Regulation No. 1 of 2014 of APERC adopted by TSERC. The Licensees submitted the estimated sales for FY 2014-15 based on the actual sales upto September, 2014 and projected sales for remaining 6 months. The Commission computed the True-up after prudence check on actual power purchase cost incurred during FY 2013-14 and projected power purchase cost during FY 2014-15 as discussed in Chapter 3 and in line with the Regulation 1 of 2014 of APERC adopted by TSERC.

Regarding discrepancy in the filings of TSSPDCL, the clarification offered by it was found to be in order.

4.3.22. **(A)Non-tariff incomes, FRP interests:** Smt P. Vydehi, Secretary(I/c), FAPCII and others stated that, TSSPDCL & TSNDCL have given their Non-Tariff Income(NTI) to be Rs 15.66 Crore & Rs 69 Crore respectively, but imminent deviations have been observed in the said figures, from the figures in the audited accounts. The Hon’ble Commission is requested to conduct a strict prudent check and approve the NTI strictly in line with the audited accounts. The Objector regarding FRP loans, stated that FRP loans pertain to loans which have been raised to liquidate the outstanding working capital loans and outstanding power purchase liabilities. These are already allowed in ARR orders of past years. Further claims of DISCOMs towards FRP loans would hence result in double allowance.

**(B)Licensee’s Response:** Non-tariff Income (NTI) has been estimated based on the annual accounts of the licensee which includes the non-operating incomes. As the incomes such as viz. Delayed Payment Surcharge, Rebate on power purchase, theft is non-operating incomes and some are non-realizable and a few are generated by internal efficiencies, these are excluded from the Non-tariff income for the purpose of Regulatory Accounting. The accumulated losses as on



31st March 2013 are mainly due to purchase of costly power and unrecovered portion of FSA till FY 2013-14. The entire scheme of FRP was designed for the financial turnaround of the sector with measures to be committed by DISCOMs, state government and GOI. The accumulated losses of the DISCOMs as per audited financial accounts have been considered while devising this scheme and the success of this scheme hinges on the DISCOMs attaining commercial viability through this scheme and implementation of measures as outlined in the scheme.

Hence, the DISCOM prays that the Hon'ble Commission allows the recovery of interest and principal cost as filed by the licensee.

**(C)Commission's View:** The Non-tariff income claimed was not considered by the Commission since the same is not covered under Regulation No. 1 of 2014 of APERC adopted by TSERC which deals with only power purchase cost variation. The Commission after prudent check conducted the True-up as per Regulation No. 1 of 2014 of APERC adopted by TSERC. The Commission is of the view not to consider the interest claimed pertaining to Financial Restructure Plan (FRP) in this Tariff Order.

4.3.23. **(A)True up of Tariffs:** Smt. P. Vydehi, Secretary(I/c), FAPCII & others stated that Hon'ble Commission should conduct a truing up exercise at the licensee level, by including expenses pertaining to Anantapur & Kurnool which were a part of TSSPDCL (erstwhile APCPDCL) up to the date of state bifurcation i.e. for FY13-14 & FY14-15 (April- May 2014). TSNPDCL distribution losses in FY 2013-14 are 14.89% as against the target of 13.45% approved in the FY 2013-14 Tariff Order. It is pertinent to mention that distribution loss is a controllable factor under the MYT framework. In view of the same, the consumers cannot be burdened with the inefficiency which is attributable to the Licensee. Supply Margin should be disallowed as it is extraneous to tariff regulations. In truing up of revenue, delayed payment surcharge should be trued up & deducted from ARR.

**(B)Licensee's Response:** The TSSPDCL has segregated the true up claims between the Anantapur, Kurnool districts and TSSPDCL with the intention not to burden the consumers of the TSSPDCL with the Anantapur and Kurnool costs. Regarding, distribution loss, the Licensee is putting the highest efforts in reducing losses. Regular network strengthening works for reduction of technical losses with various schemes are being taken up and necessary steps are being taken up for reducing commercial losses by conducting regular DPE inspections. TSNPDCL has under taken various loss reduction measures & have brought down losses from 30.52% in 2000-01 to 14.89% in 2013-14. In the filing of ARR for the years, no bad & doubtful debts are claimed by the licensee and the Hon'ble Commission has also not provided for bad & doubtful debts from the revenue from sale of power debtors. The licensee is utilizing the Delayed Payment Charges to meet the bad & doubtful debts and working capital requirement. In view of the Regulatory accounts, the licensee has excluded the DPS from the Non-Tariff income in true up. Regarding Supply Margin, As per the Regulatory practice approved by the Hon'ble Commission, licensee is eligible for 16% return out of which 14% from distribution Business as RoE and remaining 2% as supply margin.

**(C)Commission's View:**

The reply of DISCOMs, duly explaining the necessity of segregating the expenses of Anantapur & Kurnool circles, is satisfactory. While conducting True-up of Power purchase cost, the Commission is restricting the losses as approved in the MYT Tariff order to arrive at Power purchase quantum. Thus, the consumers are not burdened on account of excess losses claimed. As per Regulation No. 1 of 2014 of APERC adopted by TSERC power purchase cost true-up alone is considered in the ARR of FY 2015-16.

4.3.24. **(A)Objections regarding the Carrying Cost:** Smt. P.Vydehi, Secretary(I/C), FAPCII, and others s stated that the Licensee should refund to the consumers the excess tariff recovered corresponding to the trued-down revenue gap for FY 2013-14 along with interest at 1.20 times of the Base rate + 350 basis points.

**(B)Licensee's Response:** In the current scenario where the licensee is saddled with losses of previous years, the question of licensee gaining on revenue recovered as true-down in 2013-14 doesn't arise. Further the licensee has filed for the revenue gap in FY 2013-14 for true-up, and the licensee prays that the Hon'ble Commission accepts the filing of licensee which has loss of revenue due to adverse sales mix.

**(C)Commission's View:** The Commission conducted the True-down/True-up for FY 2013-14 and FY 2014-15 respectively as per Regulation No. 1 of 2014 of APERC adopted by TSERC.

4.3.25. **(A)Objections regarding financial restructuring plan:** Sri M. Venugopal Rao and others stated that,

The DISCOMs have shown accumulated losses as on 31st March, 2013 of Rs.6455.68 Crore for TSSPDCL and Rs.3512 Crore for TSNPDCL. Against these losses, under FRP scheme, state Govt has issued bonds to the extent of Rs.4060.73 Crore and structured short term loans to the extent of Rs.1225 Crore each for both DISCOMs. The DISCOMs have maintained that they need to recover the interest cost through tariffs and requested the Commission to allow them to recover the same. The Objector further stated that no approval of APERC was sought or obtained for the quantum, period and ceiling price for purchasing that short-term power by the DISCOMs. If such expenditure was permissible under FSA, the DISCOMs should have claimed the same accordingly. Since they did not do so confirms that they are not entitled to recover that amount and interest thereon from consumers. DISCOMs should not be permitted to recover carrying cost of Rs.132 Crore for the year 2014-15 from the consumers. The Hon'ble Commission to examine whether costs of additional power purchases made by the DISCOMs during 2014-15 are permissible to be recovered from consumers fully or partly or not.

**(B)Licensee's Response:** The Central Government would provide support to FRP through a Transitional Finance Mechanism (TFM) subject to the fulfillment of measures outlined in the programme. The TFM has the following features:

- Providing liquidity support by way of a grant equal to the value of the additional energy saved by way of accelerated AT & C loss reduction beyond the loss trajectory specified under RAPDRP.
- Incentive by way of capital reimbursement support of 25% of the principal repayment by the state government on the liability taken over by the state government.

The measures outlined as part of FRP schemes are in the areas of Tariff setting and revenue realization, Release of subsidy, Metering measures, Audit of accounts, Financial performance improvement, The commitments of GoAP towards its dues is finally settled at Rs 8600 Crore up to FY 2012-13 the cutoff date for the implementation FRP scheme. GoAP had made a final settlement of its commitments to DISCOMS and agreed to take over the liabilities to the extent of Rs.8600 Crore and share of TS DISCOMs is Rs 4553.85 Crore.

Once again it is reiterated that, the commitment of Govt is taken care by agreeing to take over bonds. The DISCOMs are only pleading before the Hon'ble Commission to cover the interest portion on the restructured loans which are due to inability to collect FSA. Further, if DISCOMs were in position to collect FSA, there would not have been any commitment to consumers. In view of the foregoing facts DISCOMs can only have option to cover the interest under the ARR. It is presumed that, the Tariff Order of FY 13-14 is also applicable to FY 2014-15. The Hon'ble ERC approved market purchases to the extent of 10094 MU at ceiling price of Rs 6 per KWh .The DISCOM can procure power from the market or inter change the procurement in case of shortages. The Hon'ble ERC also allowed dispatches by use of RLNG to the extent of 2431 mu at Rs 8.97 per unit. The Hon'ble ERC has fixed the ceiling price in case of shortage of supply as

per section 62 1(a) of Electricity Act 2003, the DISCOMs can procure power for a period not exceeding one year to ensure reasonable prices of Electricity .

Considering the cash flow of DISCOMs it is inevitable for the DISCOMs to recover the debt servicing cost from ARR in view of inability to collect the FSA. The learned Objector is well aware of the fact that the revenues of DISCOMs are limited and all the expenses are to be matched with suitable revenues in ARR. The debt servicing cost, if not covered in the ARR, then the DISCOMs have to defer the generator liability to serve the debt cost. The rebate benefit of 2% to 2.5% on each bill has to be forgone. Further loans have to be drawn to meet the debt servicing cost.

**(C)Commission's View:**

The Commission is of the view to not consider the interest claim pertaining to Financial Restructure Plan (FRP) in this Tariff Order as it does not relate to this year and Commission did not approve the FRP Scheme.

As verified from the records of FSA claims of previous years, the erstwhile APERC has allowed the short-term purchase quantum to the extent, in the merit order, while limiting total quantum of power purchase to the quantity approved in the Tariff Order, or actual, whichever is less.

The Licensees submitted the estimated sales for FY 2014-15 based on the actual sales upto September, 2014 and projected sales for remaining 6 months. The Commission computed the True-up after prudence check on actual power purchase cost incurred during FY 2013-14 and projected power purchase cost during FY 2014-15 as discussed in Chapter 3 and in line with the Regulation 1 of 2014 of APERC adopted by TSERC.

- 4.3.26. **(A)Recovery of demand charges from APGPCL:** Sri M. Venugopal Rao and others stated that, as estimated by APPCC, DISCOMs are supposed to return around Rs 5 Crore. The Objector enquires as to how much have the DISCOMs returned.

**(B)Licensee's Response:** Notices were issued to all the consumers for recovery of demand charges in respect of APGPCL. M/s APGPCL has filed a writ petition in the Hon'ble High Court vide WPNO.24594 of 2011 on the notices

issued by the DISCOM to their shareholders. The counters were filed in Sep-2011 by the DISCOMs and the same were admitted by the Court. As the case has been pending for a long time, once again a counter affidavit was filed on 16.02.2013 by DISCOMs for vacating the stay petition. The case is still pending and the realization of amounts is sub-judice. The inflated demand charges (Rs 5,05,90,298 )in respect of APDISCOMS share in APGPCL stage-I were already recovered from February and March CC bills of 2011. Further an amount of Rs.4,45,94,346/- have been recovered towards inflated demand charges in respect of participating industries. Further APGPCL had approached Hon High Court and the same is sub-judice.

**(C)Commission's View:** The reply furnished by the DISCOM is satisfactory. However the DISCOM is directed to pursue the matter in Hon'ble High Court of Judicature at Hyderabad for speedy disposal.

4.3.27. **(A)True-up for excess Agricultural consumption:** M/s Deccan Smiths & others stated that, DISCOMs have shown agricultural consumption exceeding the levels permitted by the Commission by 406 MU for TSNPDCL and an increase for 2014-15 to 37.28% from 32.87% in 2013-14; and by 1116.57 MU for TSSPDCL for the year 2013-14 and an increase for 2014-15 to 22.98% from 20.95% in 2013-14. Since the Government is giving subsidy in addition to cross subsidy, the Commission should not permit true-up of expenditure for revised excess consumption for agriculture and the same should be provided as additional subsidy by the Government.

**(B)Licensee's Response:** Estimation of agricultural sales is based on the ISI methodology outlined by the Hon'ble Commission. Licensees are obligated to provide supply to all categories of consumers, including subsidized consumers. As per the National Tariff Policy, the tariffs to the consumers are to be fixed at +/- 20% of CoS. Hence it is deemed that the consumers whose tariffs are fixed over and above CoS will cross subsidize the consumers whose tariffs are below COS to ensure revenue neutrality. Any other revenue deficit after adjusting cross subsidy will be met through Government Subsidy. The projected revenue

gap of the DISCOM has to be met through revenue from tariffs and government subsidy.

**(C)Commission's View:** The Commission while truing up the Power purchase cost for FY 2013-14 and FY 2014-15 as per the Regulation No. 1 of 2014 of APERC adopted by TSERC, has limited the agriculture sales to the Tariff Order quantity.

4.3.28. **(A)Treatment of Revenue Gap for FY 2015-16:** Smt. P. Vydehi, Secretary (I/C), FAPCII, Sri M. Venugopal Rao and others stated that, TSSPDCL and TSNPDCL have proposed a revenue requirement of Rs.26, 474 Crore, with a projected revenue from current tariffs of Rs.18, 909 Crore and a revenue deficit of Rs.7565 Crore, for the year 2015-16. DISCOMs have not made it clear how they propose to bridge the projected revenue gap; it can be presumed that, the DISCOMs have submitted their much delayed proposals with prior approval of the State Government and as such with an implied commitment from the Government to provide required subsidy to bridge the remaining revenue gap. A close perusal of the proposals of the DISCOMs makes it abundantly clear that the proposed tariff hike to different categories of consumers to the tune of Rs.1089 Crore (5.76%) can be avoided by taking prudent decisions. It is humbly stated that the tariffs be fixed for all consumer categories at cost of service levels or at  $\pm 20\%$  of CoS levels. There upon the subsidized tariffs should be worked upon after considering the available subsidy levels from the State Government.

**(B)Licensee's Response:** The revenue gap will be met through Govt. subsidy and increase of Tariff.

**(C)Commission's View:**

The Commission wrote a letter to the Government (based on its Statement in the Public Hearing), enclosing the Category wise Tariff determined, approved Aggregate Revenue Requirement, revenue computed from the determined Tariff, and revenue gap (after adjusting the cross subsidy from the subsidizing categories to the domestic and agriculture categories), seeking Government

consent to provide subsidy amount to the domestic and agriculture categories to meet the revenue gap. In the same letter, the Commission has enclosed the full cost recovery tariff schedule to recover the entire Aggregate Revenue Requirement, if Government is not willing to provide subsidy as required. After getting the commitment of Government in writing the Commission notified the final category wise tariffs.

4.3.29. **(A)Recovery of Rs 2081 Crore from APGENCO:** Sri M. Venugopal Rao, Sri Bhushan Rastogi (Telangana Spinning Mills) and others stated that, APERC directed APGENCO to adjust a difference of Rs.2081.81 Crore between the tariff already collected from Discoms and the tariff approved for specified years and projects mentioned therein before 31.12.2014. The Objector questions whether the amount was recovered or not and what steps are being taken by the Commission to deduct that amount from TSGENCO.

**(B)Licensee's Response:** AP Genco claimed fixed cost as per actual availability for old stations and based on actual COD for new stations. The amounts were adjusted on year to year basis and final adjustment was made during 2012-13 as part of FRP scheme. Hence all the recoveries were made as per APERC Order No. 15/2009.

**(C)Commission's View:** The actual cost as per Commission order on APGENCO's tariff filing in O.P. No. 15 of 2009, was passed on to the consumers partly through the orders on Fuel Surcharge Adjustment(FSA) during FY 2009-10 to 2012-13. The variation in PP cost for FY2013-14 & FY2014-15 under true up is being passed on to consumers through the current order., The remaining cost/benefit, if any (pertaining to the consumers of Telangana State), will be passed on to the consumers in the next Tariff Order, since the assets and liabilities of APGENCO and TSGENCO have not been segregated



Similarly, the true-up of cost of APGENCO stations (pertaining to the consumers of Telangana State) for the 1st control period will be passed on to consumers in the next Tariff Order.

4.3.30. **(A)Objections on Revenue loss figures:** M/s Deccan Smiths Ltd. & others stated that,

There are differences in the revenue loss shown to have occurred for 2013 - 2014 but the figures do not match as shown in the petition more particularly with reference to Rs.2135 Crore in case of TSSPDCL and this needs to be explained by the DISCOMs. The estimated gap in the prayer is Rs 1293.56 Crore for the year under review and the same does not match with the figures provided in the table in the petition. No rational was given for proposing a tariff to consumers who consume less than 200 units and who consume more than 200 units

**(B)Licensee's Response:**

The revenue loss of Rs. 2135 Crore for FY 2013-14 is arrived in the following manner

Tariff Order		Actual		Variance		
Tariff Revenue	NTI	Tariff Revenue	NTI	Tariff Revenue	NTI	Total
16172.86	98	14120	15.66	2052.86	82.34	2135.2

The estimated gap in the Prayer of Rs.1283.56 Crore for the year FY2014-15 pertains to TSSPDCL excluding Anantapur & Kurnool gap which is shown in the following table, as per filings:

Revenue Deficit/Surplus	2014-15		
	TSSPDCL	ATP& KNL	Total
Aggregate Revenue Requirement (Rs. Crore)	16086	590	16676
Revenue from Current Tariffs (Rs Crore)	13339	429	13767
Non - Tariff Income (Rs Crore)	12	1	13

Revenue from Wheeling ( Rs Crore)	-	-	-
Revenue Deficit(-) / Surplus(+) at Current Tariffs (Rs Crore)	-2735	-161	-2896
Subsidy	1585	62	1647
Net gap- Deficit(-) / Surplus	-1151	-99	-1250
Carrying Cost @ 11.5% p.a.	132		
Total Gap including Carrying Cost	1283		

**(C)Commission's View:** The reply furnished by the licensee is in order.

4.3.31. **(A)Objections regarding decrease in metered sales and increase in unmetered sales beyond tariff order quantities:** Sri M.R Prasad, Telangana State Ferro alloys Producers Association stated that, the Commission should direct the Government to reimburse the cost of sales to agriculture in excess of tariff order quantity and to ensure the subsidizing category of consumers are reimbursed to maintain the current level of cross subsidy. Further, true up is done only for FY13-14, instead of the entire control period.

**(B)Licensee's Response:** The gains/losses of up to FY 2012-13 are claimed under FRP (Financial Restructuring Plan) along with the true-up of Retail supply Business for FY 2013-14. The licensee has been facing adverse sales mix wherein sales from higher tariff categories have gone down compared to sales in lower tariff categories. This has resulted in licensee realizing lower revenue than which was approved in the tariff order. Accumulated losses incurred by the Discoms as on 31st March 2013, has been considered under FRP scheme. Hence, the Discoms have submitted the true-up petition for FY 2013-14 which was not covered under the accumulated losses till 31st March 2013.FSA is a mechanism which allowed the Discoms to recover the power purchase cost which is in excess of the approved level due to variation in cost as well as quantity purchased. Hence the Discoms do not accrue any gain through FSA rather it is a cost recovery mechanism.

**(C)Commission's View:** In the first quarter of FY 2013-14 the R&C order was in force due to which the metered sales came down. Regarding the supply to agriculture category beyond approved quantum, the Commission while carrying the true-up restricted the power purchase quantum by limiting the agricultural sales to the approved quantum.

As per Regulation 4 of 2005, the true-up is done only for uncontrollable items like power purchase cost and taxes on income. The true-up for power purchase cost for FY 2009-10 to FY 2012-13 was done through FSA orders. Hence, the true-up of power purchase cost for FY 2013-14 was considered during the present ARR exercises.

4.3.32. **(A)Revised estimates of agricultural sales:** Sri M. Venugopal Rao and others stated that, since the scheme of free supply of power to agriculture is being implemented and Government is providing subsidy, in addition to cross subsidy, the Commission should not permit true-up of expenditure for revised excess consumption for agriculture and the same should be provided as additional subsidy by the Government.

**(B)Licensee's Response:** The licensee estimated Agriculture consumption based on ISI methodology as approved by the Hon'ble Commission from October 2013 onwards. Agricultural consumption estimation in TSNPDCL is being carried-out on the basis of ISI Methodology wherein energy meters are provided to the selected DTRs (Sampled DTRs) and the average consumption recorded in a given capacity of the DTR is calculated. This average consumption multiplied by the total number of the same capacity DTRs will be the total Agricultural consumption on the capacity of DTRs.

Similarly, the total Agricultural consumption on the other capacities of DTRs is arrived. The total Agricultural consumption on all the capacities of DTRs (16 KVA, 25 KVA, 63 KVA & 100 KVA) will be the total Agricultural consumption estimation in TSNPDCL. In TSNPDCL, the total number of Agricultural DTRs of the capacities said above, is 1, 28,011. The readings from these energy meters

are taken every month and arriving monthly Agricultural consumption estimation. Also, it is planned to provide energy meters to 10% of the total existing Agricultural DTRs and hence the accuracy of Agricultural consumption estimation will be improved further.

Based on the above actual estimated Agricultural consumption of H1 of 2014-15, the licensee expects growth rate of 4.00% for the H2 of FY 2014-15 and FY 2015-16 over the H2 of FY 2013-14 and revised estimates of FY 2014-15. The Hon'ble Commission has approved Agricultural sales same level of FY 2012-13 for the FY 2013-14 and in the FY 2014-15 there was no tariff order and approved sales. In this regard, the actual Agricultural sales of the Licensee have been exceeded over the approved Agricultural consumption. However, as per the previous FSA regulation and amended Regulation 4 of 2005, the Commission is allowing Agricultural sales limited to Tariff Order quantities.

**(C)Commission's View:** Regarding the supply to agriculture category beyond approved quantum, the Commission while carrying out the true-up, restricted the power purchase quantum by limiting the agricultural sales to the approved quantum.

#### **4.4. OBJECTIONS /SUGGESTIONS ON COST OF SERVICE AND TARIFF**

4.4.1. **(A)High CoS for EHT Industrial Category:** Telangana State Ferro alloys Producers Association & others stated that tariff difference between 132kV & 33kV Ferro alloy units should be Rs 0.15/kWh, and not Rs 0.43/kWh as filed by the DISCOMs. For determining Retail Tariffs embedded CoS is the basis. Even if we compare with the difference in embedded CoS as worked out by the DISCOM, the tariff difference between 132 kV & 33 kV Ferro Alloy units should be Rs 0.23/kWh and certainly not Rs.0.43/kWh as field by the DISCOM. Further, DISCOMs should be directed not to invoke guaranteed power consumption norm of 85% load factor, if full supply is not made round the clock.

**(B)Licensee's Response:** Tariffs of the Ferro Alloys Industry at different voltage levels are within  $\pm 20\%$  of the average cost of supply as per the Tariff Policy. In fact at all voltage levels, the proposed tariff is below 20%.Considering the high load factor of Ferro Alloy industries, TSDISCOMS have not proposed any demand charges for this consumer category and has only proposed a very nominal increase in energy charges by 5.75% only. However, it is to inform that the energy charges for Ferro Alloys Industries are also less as compared to other normal HT-I (A) Industrial consumers.

**(C)Commission's View:** The Commission after examining the Tariff proposed by DISCOMs and increase of average Cost of Service over the FY 2013-14, has determined the tariff for this category at different voltages and rounded off the tariff rates to the nearest 10 paise. The Tariff determined need not be mirror image of the Cost of Service of that category. The fixing of lower Tariff at higher voltage level is to incentivize the consumer to avail supply at higher voltage which in turn reduces the burden on the network system. Further, the Tariff for Ferro Alloys category at 33 kV and 132 kV is within the $\pm 20\%$  of average cost of service.

The DISCOMs have indicated surplus power in their filings. The Commission examined the availability of power and found that there is no shortage of power. Hence, the objection cannot be considered at this juncture.

- 4.4.2. **(A)Rejecting proposals for tariff hike:** Sri M. Venugopal Rao & others stated that, considering the availability of surplus power, besides the subsidy implied to be provided by the Government, among others, it is requested to the Hon'ble Commission to reject the proposals of the DISCOMs for tariff hike for 2015-16.

**(B)Licensee's Response:** In the Tariff Order for FY 2013-14, the average Cost to Serve (CoS) as approved by the Hon'ble Commission for the Telangana was Rs 5.46/Unit. Since then, there has been a significant increase in the average CoS

during the year and the licensee expects the trend to continue for the ensuing year. The Licensee estimated the state level CoS for the year FY 2015-16 to be at Rs. 5.98/Unit. This implies that an increase of Rs.0.52/ Unit (10 % increase). The increase in the CoS is due to the following reasons. The Network cost approved in FY2013-14 was Rs. 0.83/Unit and this has increased to Re. 1.00/Unit primarily due to increase in wages of employees, increased Capital Investment of the licensee. The interest costs on the short term loans converted to Long term loan under Financial Restructure plan amounts to Rs. 141 Crore has also increased the ARR in FY 2015-16. The Licensees projected a consolidated revenue deficit for FY 2013-14 and FY 2014-15 to the tune of Rs 1463 Crore. The high revenue deficit for the period is primarily due to increase in Power Purchase cost, Network cost and other cost in FY2014-15 and no tariff revision in FY2014-15. Hence, the Distribution licensee feels that the increased CoS should reflect appropriately in the tariff structure.

**(C)Commission's View:** After prudent check of filings of Discoms on ARR items including availability of power and cost, the Commission determined item wise cost of ARR (Power purchase cost including true up cost, Network cost and Interest on consumer Security Deposit), computed the cost of service of each category by embedded cost methodology and also computed the average cost of service. In addition to the above, the Commission examined the tariff proposals of the Discoms and determined the tariff for each category. The Commission communicated the Revenue from the determined tariffs, Revenue Gap in accordance with the statement given by the GoTS in the public hearing regarding its commitment to provide subsidy to fulfill the revenue gap and also communicated the full cost recovery tariff schedule (FCRTS) which will be levied on the consumers in case there is no subsidy commitment from the Government. The subsidy commitment required from GoTS is Rs 4227 Crore. The GoTS granted further subsidy amount of Rs 30 Crore towards poultry farms over and above the required subsidy amount of Rs 4227 Crore, amounting to a total of Rs 4257 Crore.

4.4.3. **(A)Objections against providing power supply to RESCOs at less than CoS:** Sri M. Venugopal Rao & others stated that, DISCOMs and RESCOs are independent entities. The DISCOMs should not be permitted by the Commission to supply power to RESCOs at less than the cost of service and impose additional burden on the consumers of DISCOMs.

**(B)Licensee's Response:** The licensee has provided power supply to the RESCO Sircilla at bulk supply tariff under HT Category approved by the Hon'ble Commission. In view of the above tariff mechanism followed for the RESCO, the State Government subsidy has not been extended to RESCO and same is being extended to distribution licensee only.

**(C)Commission's View:** The GoTS has issued direction to the Commission u/s 108 of Electricity Act, 2003 to maintain the uniform tariffs across the state. Considering the above, the Commission has computed the bulk supply tariff at 11 kV voltages under revenue minus approach. In other words if the cost of service at 11 kV is charged to RESCO in order to maintain the approved tariff for LT consumers of Discom, the subsidy would have to be provided to RESCO. Now this subsidy is being provided to Discom in place of RESCO.

4.4.4. **(A)Objections regarding CoS:** Sri Bhushan Rastogi (Telangana Spinning Mills), FAPCII & others requested the Commission to adopt average cost of supply as per NTP while fixing of tariffs for each category which is a deviation from the Embedded CoS followed by ERC because the Licensee observed that CoS of a category under existing embedded CoS method and with +/- 20% is not commensurate with the proposed tariffs of certain categories. Hence, the objector requests the Commission to continue the traditional approach of calculating CoS through Embedded cost methodology rather than permitting the Licensee of introducing the new methodology.

**(B)Licensee's Response:** Licensee has calculated CoS based on embedded CoS method only. However, Hon'ble Commission was requested to adopt average

cost of supply as per the NTP while fixing of tariffs for each category. As Clause 8.3.2 of National Tariff Policy states that “For achieving the objective that the tariff progressively reflects the cost of supply of electricity, the SERC would notify roadmap within six months with a target that latest by the end of year 2010-2011 tariffs are within  $\pm 20$  % of the average cost of supply. The road map would also have intermediate milestones, based on the approach of a gradual reduction in cross subsidy”. Licensee has put all efforts while proposing tariffs to be within  $\pm 20$  % of the average cost of supply wherever it is possible.

**(C)Commission’s View:** Commission’s view is that the embedded cost methodology is more logical for computing the cost of service of each category because this methodology is based on factors responsible for cost causation, such as Class load factor, Non-coincidental demand and maximum demand coincident factor of each category apart from use of different voltage-wise losses. Hence, the Commission adopted this methodology.

4.4.5. **(A)Objections regarding open access charges:** The India Cements Ltd& others stated that,

- It is not in a position to absorb hike of Demand & Energy Charges proposed in the Tariff Schedule announced for 2015-16.
- The Cross subsidy surcharges should not be imposed, as there have been power cuts in industries till Nov 2014.
- Further, the Objector stated that minimum units’ consumption on billing demand should be waived off, as DISCOMs are unable to supply continuous power supply and because of this limitation, the objector is unable to source power from its very own CPP.

**(B)Licensee’s Response:** Due to the increase in average cost of service from Rs 5.25/Unit as approved in Tariff Order 2013-14 to Rs. 5.90/Unit as filed in ARR for FY 2015-16 for TSPDCL, the Licensee is obligated to increase Tariff nominally for FY 2015-16. The increase in CoS is mainly because of increase in Power Purchase cost, increased Network Cost, considering of gains/losses upto



FY 2013-14 and considering of Revenue deficit for the Retail Supply business for FY 14-15. Increase in the power purchase cost and corresponding cost of service lead to a revenue gap of Rs.3512 Cr for the FY 2015-16. To reduce this revenue gap, the licensees are undertaking several energy conservation and loss reduction activities. But, without realistic revision in tariffs, these steps would fall short in bridging the revenue gap. Hence, the licensees propose the tariff revisions. Cross Subsidy surcharge is provided to meet the levels of cross subsidies determined in respective tariff order in the event that cross subsidizing consumer opts for open access.

As per the HT Supply Specific conditions, 7 (1) i and ii, all the HT Cat I consumers has to utilize their energy above the stipulated limit of minimum charges i.e. 80% of CMD and energy on 50 units per KVA on 80% of CMD. Further, as per your alternate request, there is no provision in the GTCS. Hence your request cannot be considered.

**(C)Commission's View:**

The Commission after examining the ARR amount filed by Discoms and after prudent check determined the ARR. The Commission also examined the Tariff proposed by Discoms for each category of service, increase of average Cost of Service over the FY 2013-14 and has determined the tariff for each category at different voltages and rounded off the tariff rates to the nearest 10 paise. The cross subsidy surcharge now determined by the Commission is for FY 2015-16. The Commission did not determine the cross subsidy surcharge for FY 2014-15.

The Commission examined the source wise availability of power and unrestricted sales proposed by Discoms. The Commission determined the sales quantum, power purchase quantity and source wise availability of power after prudent verification. The Commission is of the view that there will not be any power restrictions except at the time of grid emergency which occurs rarely.

4.4.6. **(A)Suggestion for change in Tariff Category:** M/s Vodafone South Limited stated that Telecom Service Providers in Telangana, are charged for electricity consumption at cell towers under LT-II (B) i.e. Non Domestic/Commercial Category. The Objector submitted that telecom is an energy intensive business, which cannot be equated to commercial services. Telecom Industry is facing huge cost burden towards electricity cost consumption charges for its Mobile towers/base stations, due to this categorization. Hence, the objector prays to the Hon'ble Commission to:

- To order rationalization of tariffs for telecom towers in the state.
- Order tariffs for consumers with flat load profile and higher power factor like telecoms/CMTE are considered separately.
- Order petitioners/ distribution companies to provide detailed responses to objections.
- To declare that the tariff for telecom towers/CMTE consumers be re-determined as per relevant acts and treat them as infrastructure industry.
- To declare cell towers/CMTE in rural areas may be provided with further lower tariff rates.

**(B)Licensee's Response:** As per the definition stated in the Tariff Order 2013-14 for LT-Category III "Industrial purpose shall mean, supply for purpose of manufacturing, processing and/or preserving goods for sale, but shall not include shops, business houses, offices, public buildings, hospitals, hotels, hostels, choultries, restaurants, clubs, theaters, cinemas, bus stations, railway stations and other similar premises, notwithstanding any manufacturing, processing or preserving goods for sale." As there is no manufacturing, processing and preserving goods activity, Telecom towers are being categorized under LT-II-Non-Domestic/Commercial category.

Further to the above it is to inform that LT-II Non Domestic/Commercial category is applicable for Consumers who undertake Non Domestic activity, Consumers who undertake Commercial activity, Consumers who do not fall in any other LT category i.e., LT - I, LT - III to LT -VIII categories, Consumers

who avail supply of energy for lighting, fans, heating, air conditioning and power appliances in Commercial or Non-Domestic premises such as shops, business houses, offices, public buildings, hospitals, hostels, hotels, choultries, restaurants, clubs, theatres, cinema halls, bus stations, railway stations, timber depots, photo studios, printing presses etc. As Cell towers business does not fall under any of LT -I, III, IV, V, VI, VII categories, it comes under LT-II category.

**(C)Commission's View:** The Discoms' reply is satisfactory.

4.4.7. **(A)Suggestions regarding creation of sub-categories "Charities" under category LT-II:** Sri R V Rama Mohan stated that charitable organizations are exempted from Income Tax. Water connections are also offered to these organizations at subsidized tariffs rather than commercial rates. As DISCOM's are treating them as commercial entities, GHMC has also started to treat the same & imposed huge Property Taxes. Hence, the Objector suggested creation of a separate sub-category "Charities" for the NGO's, under LT-II & charge them under subsidized tariff as that of LT-I, for domestic purposes.

**(B)Licensee's Response:** As per the Tariff Order 2013-14, LT-II Non-Domestic/Commercial category is applicable for supply of energy to: a) Consumers who undertake Non Domestic activity. b) Consumers who undertake Commercial activity. c) Consumers who do not fall in any other LT category i.e., LT-I, LT-III to LT-VIII categories. d) Consumers who avail supply of energy for lighting, fans, heating, air conditioning and power appliances in Commercial or Non-Domestic premises such as shops, business houses, offices, public buildings, hospitals, hostels, hotels, choultries, restaurants, clubs, theatres, cinema halls, bus stations, railway stations, timber depots, photo studios, printing presses etc. e) Educational Institutions run by individuals, Non- Government Organizations or Private Trusts and their student hostels are also classified under this category. Hence, the Category-II is applicable, if the activity does not fall in any other categories.

**(C)Commission's View:** The Licensees' reply is satisfactory. It may be noted that charitable institutions are already covered under LT-VII (A) General Purpose.

4.4.8. **(A)Levy of concessional power tariff to HMWSSB installations:** Sri M. Jagadeeshwar, MD, HMWSSB (Hyderabad Metropolitan Water Supply & Sewerage Board) stated that the board at present has a running service debt and is unable to meet the high operational cost. He further, stated that power charges constitute the major part of the operational cost i.e. more than 73%. Accordingly, power charges will be the single component which determines the sustainability of the Board. Further, the Board is being charged an additional charge of Rs.1/- per unit during peak hours leading to further increase in costs. Hence, HMWSSB recommends consideration of concessional power tariff in order to reduce operational costs and also submitted that the comparison of tariff with Karnataka.

**(B)Licensee's Response:** It is to inform that tariff design varies from state to state depending on various factors like average cost of service, cross subsidy, government policy, demand supply gap etc. Hence we cannot equate the tariff with other states. Collection of time of day tariff is not meant for extra revenue gain and it is only to meet the extra power purchase expenditure incurred by the DISCOMs during peak hours. Further in Bengaluru, peak charges of Rs.1.00/- also exist during 6 pm to 10 pm for the consumers who avail of non-peak rebate.

As per the Tariff Order issued by the then Hon'ble Commission for FY2013-14, Water Works & Sewerage Pumping Stations operated by Government Departments comes under HT-I category. Though HT-I category name is Industry, the then Hon'ble Commission extended this category tariffs to few other activities like poultry farms, pisciculture prawn culture inclusive of Water Works & Sewerage Pumping Stations operated by Government Departments

not to highly burden the consumer as this only the lowest tariff in HT Categories (except LI schemes and agriculture). Presently Distribution Company is facing a huge financial crisis as there is a huge gap between the Aggregate Revenue Requirement and the Revenue realization i.e. for FY2015-16; it is Rs.3512.79 Crore with existing tariffs and Rs.2687.18 Crore with the proposed tariffs. Hence it is not feasible to reduce the tariffs.

**(C)Commission's View:** The reply furnished by Discoms explaining the reasons for variation in tariffs from one state to other state is satisfactory. If the tariff is to be maintained at par with Bengaluru, Karnataka, the subsidy is required to meet the cost of difference between the tariffs determined by the Commission and tariff of Bengaluru. If the Government desires that the tariff for this service should be on par with tariff of Bengaluru, the Government can provide subsidy under Section 65 of the Electricity Act, 2003. The Commission normally determines the tariffs for full cost recovery and informs the government to ascertain whether any subsidy under section 65 of Electricity Act is contemplated to any class or classes of consumers. After getting the commitment of Government in writing, the Commission notifies the final category wise tariffs.

4.4.9. **(A)Objections regarding determination of category wise tariff and Cross subsidy:** FAPCII, Sri Bhushan Rastogi (Telangana Spinning Mills) and others stated that the Licensee has requested the Commission to adopt average cost of supply as per NTP while fixation of tariffs for each category which is a departure from the Embedded CoS followed by ERC because the Licensees observed that CoS of a category under existing embedded CoS method and with +/- 20% is not commensurate with the proposed tariffs of certain categories. The objectors quoted the relevant judgments of APTEL on the basis for determination of tariff as inference drawn from these judgments.

- The Cost of service for each category of consumer will have to be worked out separately.
- The cross subsidy should be declining from year to year.

- Tariff need not be a mirror image cost to supply to the respective consumer categories.
- Tariff for different categories of consumers are differentiated only according to the factors given in section 62(3).
- There should be no tariff shock to any category of consumer.

Further, they stated that there is no definition of the term 'cross subsidy' anywhere in the Tariff Policy, National Electricity Policy or in the Electricity Act, 2003. Section 61(g) of the Electricity Act, 2003 provides that the tariff should progressively reflect the cost of supply of electricity and cross subsidies should be reduced in the manner specified by the State Commission. This shows that there is a mandate that tariff should progressively reflect actual cost of supply for each consumer category and not average cost of supply.

The Objector submitted the level of cross subsidy at tariffs and further suggested approval of a roadmap for gradual transition from ACoS towards CoS, for each consumer category as mandated by APTEL in SIEL Ltd vs PSERC in 2007. In view of the above, the Objector states that the tariff hike for industrial consumers is invalid in law and fails the mandate of the Electricity Act and Tariff Policy.

**(B)Licensee's Response:**

Licensee stated that they have calculated CoS based on embedded CoS method only. However, Hon'ble Commission was requested to adopt average cost of supply as per the NTP while fixation of tariffs for each category. As Clause 8.3.2 of National Tariff Policy states that "For achieving the objective that the tariff progressively reflects the cost of supply of electricity, the SERC would notify roadmap within six months with a target that latest by the end of year 2010-2011 tariffs are within  $\pm 20$  % of the average cost of supply. The road map would also have intermediate milestones, based on the approach of a gradual reduction in cross subsidy". Licensee has put all efforts while proposing tariffs to be within  $\pm 20$  % of the average cost of supply wherever it is possible.

With regard to the comparison of CoS w.r.t. the Tariff, it is to inform that the tariff need not be the mirror image of actual cost of supply or voltage-wise cost of supply. The Hon Tribunal in various appeals held as under “However, we are not suggesting that the tariffs should have been fixed as mirror image of actual cost of supply or voltage-wise cost of supply or that the cross subsidy with respect to voltage-wise cost of supply should have been within +/-20% of the cost of supply at the respective voltage of supply. The legislature by amending Section 61(g) of the Electricity Act by Act 26 of 2007 by substituting eliminating cross subsidies’ has expressed its intent that cross subsidies may not be eliminated.

**(C)Commission’s View:**

Regarding determination of the tariff category wise for FY 2015-16, the Commission examined the current tariff (FY 2013-14), average Cost of Service in the present tariff order (FY 2013-14) and average Cost of Service computed for the FY 2015-16 to arrive at the incremental cost. After considering the increase in average cost between FY 2013-14 and FY 2015-16, the tariff was determined in line with NTP.

For the subsidizing categories, the Commission has determined the tariff for FY2015-16 such that the incremental tariff over tariffs for FY2013-14, is less than the incremental cost of service. This indicates that there is a reduction in cross subsidy for such categories.

- 4.4.10. **(A)Objections against levy of TOD charges:** M/s Deccan Smith Private Ltd. & others stated that, industry generally has already become financially un-viable due to increase in cost of material, labour, tariffs, taxes, etc., with the result, everything is coming to a standstill more or less and there are no proper cash flows into the business. Therefore, by any unreasonable increase on the power tariff, industry generally will suffer and the units will face threat of closure. Further increase of tariff by 1/- for TOD would be unjust to the industry and quite apart, it is discriminatory.

**(B)Licensee's Response:** DISCOMs have proposed a modest tariff increase of 5.75% above the 2013-14 Commission Approved Tariff. It may be noted that the tariff hike is effectively to cover the increase in costs for the last two year period. Implementation of Time of Day (TOD) measure is a well-known Demand Side Management (DSM) measure which is used across many states in India as well as abroad. Additional charge during peak hours is proposed to bring down the peak demand and consequently the procurement of high cost power by the DISCOM may reduce.

**(C)Commission's View:** The Commission while determining the tariffs for FY 2015-16, examined the increase in average Cost of Service over FY 2013-14 and fixed the tariffs such that the incremental increase in the tariff is less than the incremental increase in average Cost of Service over FY 2013-14. Normally, the consumption is very high during the hours 6 P.M to 10 P.M. In order to make load curve of the system flat, TOD charges are being levied on the HT consumers and also to meet the power purchase cost which is high during the peak period.

4.4.11. **(A)Objections against increase in tariffs:** M/s Deccan Smith Private Ltd. & others stated that the DISCOMs have proposed to increase the tariff by 5.75% on HT Industrial consumers and we are running our unit in loss due to increase in material cost, political unrest, increase in operational costs and the above proposal will drive us to run with huge losses and close the units. The increased tariff by DISCOMs is artificial and the Commission should contemplate issuing orders for audit of the DISCOMS by the C&AG as is being done in state of DELHI and until such time, be pleased to direct that the present proposal to increase the rate to be kept in abeyance.

**(B)Licensee's Response:**

The revenue requirement of the DISCOMs has been computed to cover the following key components of costs- Power purchase costs, Distribution costs,



State Transmission costs, PGCIL, ULDC and SLDC charges, Consumer security deposits, True-up/true-down of previous years. Revenue has been computed based on the category-wise sales forecast and the proposed tariff for each consumer category. Availability of power has been computed based on the availability furnished by the generators and market purchases. Energy deficit has been arrived based on the projected availability of power and demand from consumers.

In the Tariff Order for FY 2013-14, the average Cost to Serve (CoS) as approved by the Hon'ble Commission for the Telangana was Rs.5.46/Unit. Since then, there has been a significant increase in the average CoS during the year and the licensee expects the trend to continue for the ensuing year. The Licensee estimates the state level CoS for the year FY2015-16 to be at Rs. 5.98/Unit. This implies that an increase of Rs.0.52/Unit (10 % increase)

**The increase in the CoS is due to the following reasons:**

- The Network cost approved in FY2013-14 was Rs.0.83/Unit and this has increased to Rs.1.00 /Unit primarily due to increase in wages of employees, increased Capital Investment of the licensee.
- The interest costs on the short term loans converted to Long term loan under Financial Restructure plan amounts to Rs.141 Crore has also increased the ARR in FY2015-16.
- The Licensees has projected a consolidated revenue deficit for FY2013-14 and FY2014-15 to the tune of Rs.1463 Crore. The high revenue deficit for the period is primarily due to increase in Power Purchase cost, Network cost and other cost in FY2014-15 as there is no tariff revision in FY2014-15.

Hence, the Distribution licensee feels that the increased CoS should reflect appropriately in the tariff structure.

**(C)Commission's View:** The Commission while determining the tariffs for FY 2015-16, examined the increase in average Cost of Service over FY 2013-14 and

fixed the tariffs such that the incremental increase in the tariff is less than the incremental hike in average Cost of Service over FY 2013-14 and also comparatively less than the inflation for the period.

The Discoms are fully owned by State Government and their annual accounts are being audited by Accountant General under the control of CAG.

4.4.12. **(A)Objections against proposals submitted by TSSPDCL:** M/s Salguti Industries stated that the Discoms are imposing interest for a whole month in event of delay in payment of bills, irrespective of actual quantum of delay. Further, objector has stated that Discoms are imposing TOD charges for power consumed during 6pm to 10 pm, which should be removed.

**(B)Licensee's Response:** Delayed payment surcharge is charged at the rates as specified by the Commission mentioned in the Tariff Order 2013-14.

**(C)Commission's View:** Delayed Payment Surcharge (DPS) is a compensatory charges in nature, to bring about financial discipline among the consumers and to meet the working capital requirement of Discoms. The DPS is specified in tariff for different categories of consumers considering their consumption and billed amount. Normally, the consumption is very high during the hours 6 P.M to 10 P.M. In order to make load curve of the system flat, TOD charges are being levied on the HT consumers and to meet the power purchase cost which is high during the peak period.

4.4.13. **(A)Objections regarding provision of rebates in tariffs:** Smt. P.Vydehi, Secretary (I/C), FAPCII and others stated that, the Hon'ble Commission should consider the rebates as:

- Modification of TOD tariff scheme and provide rebate of 15% on energy charges for consumption during off-peak hours.
- Approve load factor rebate at levels approved by erstwhile Regulatory Commission up to 31st July 2010 to incentivize the industries.

- Approve a rebate for prompt and timely payment of energy bills.
- Direct the licensee to undertake loss estimation study for assessment of technical & commercial losses, so that baseline distribution loss levels are set.

**(B)Licensee's Response:** ToD tariff is mainly to reduce the overall peak demand in the system and also ensure a certain amount of Grid Discipline. Short term power purchase price varies significantly depending on the time of the day, season, etc. keeping in view of the above Distribution Licensee has proposed to continue ToD tariff to recover partial additional charges over and above the tariff applicable to meet the expensive power. Rebate for timely payment of bills is not in the purview of the Licensee. The Hon'ble Commission has discontinued the load factor incentive scheme w.e.f. 1st august 2010 in view of the power shortages that led to restrictions. Licensee cannot extend the load Factor incentive.

**(C)Commission's View:** The commission is of the view that in order to provide any rebate during off peak period, a proper study is required to assess the power requirement and power availability during off peak period. The Commission will examine this matter in the next Tariff Order.

Providing the incentive for achieving higher load factor is not possible in the present situation unless the surplus power is available from long term sources. The consumer is supposed to pay the bill in time and hence no rebate is considered for timely payment.

To achieve better performance the Discoms have to analyze the feeder wise losses and within these losses, the Discoms have to compute the technical losses (based on the conductor size, type, length of the feeder, maximum and minimum loads, units sent out, load factor and loss load factor) so that commercial losses can be segregated to curb both the losses which is the regular duty of the Discoms.

**4.4.14. A)ARR filing for proposed tariff of MSME Sector for Retail Supply Business:**

Telangana Industry Welfare Association & Others, stated that under R&C measures imposed by erstwhile APERC, consumption was restricted to 60% of Contract Demand, and units were given relaxation to work on staggered 4-5 days of working week. Heavy penalty (300% of the charges) was imposed on LT-III B category, even though later amendment was made by officials. A waiver of 50% of the penal charges was done, as per the amendment. But, amendment orders have not yet been issued and hefty penalty is paid by the consumers. Hence, this should be looked into by the Hon'ble Commission.

**(B)Licensee's Response:** Not Furnished

**(C)Commission's View:** The Commission directs that the Discoms have to implement the orders issued by the Commission by giving appropriate instructions to executing staff of Discom.

**4.4.15. (A)Objections/Suggestions regarding change of category of Airports: Sri M.**

**Sridhar Reddy** mentioned that in rural and urban areas small hotels doing business are charged at Rs. 7.80/unit for less than 100 units and Rs 8.60/unit if their consumption exceeds 100 units whereas star hotels like Novotel which make high revenues are charged at Rs. 6.05 only. They have asked how the two can be compared when their revenues are not comparable. They have mentioned that the RGI Airport should not be included in the category along with Railways and that they should be charged as per the services and corresponding tariffs charged to consumers by them.

**(B)Licensee's Response:** Licensee charges the consumers as per the Tariff Order issued by the Honorable Commission. The categorization of consumers is according to the Commission's orders. Under HT-III category, consumers are levied Rs.370.17/kVA as fixed charges and Rs.6.05/unit as energy charges. Also they are levied with T.O.D charges at Rs. 1.00/unit.

**(C)Commission's View:** This category was created on the order of Hon'ble APTEL on a petition from M/s GMR Hyderabad Airport. The licensee was not able to segregate the Hotel and other commercial loads inside the Airport campus from the Aviation load at the time of creation of this category.

**The Commission directs the Licensee (TSSPDCL) to see that the aviation activity loads and non-aviation activity loads are segregated by the consumer (GMR International Airport at Hyderabad) at the Discom metering point itself so as to have separate metering for both category of loads. This work shall be completed by not later than 30th September, 2015. In the next year ARR filing, the cost of service of aviation activity shall be indicated duly conducting the necessary study on load pattern of aviation activity. In the meanwhile the interim report on the action taken shall be presented by end of July 2015.**

4.4.16. **(A)Objections/Suggestions regarding bill clarity:** Sri M.Kodanda Reddy and others stated that The Electricity Bills being issued by the DISCOMs are not clear and it is difficult to make out details of the Bill. We request the Commission to direct the DISCOMs to issue clear bills and the Bills shall be in local language along with English.

**(B)Licensee's Response:** The electricity bills are being issued as per the regulation issued by the Hon'ble Commission. However, the licensee will follow the directions of the Hon'ble Commission.

**(C)Commission's View:** The Licensee may examine the possibility of issuing bills in Telugu and come with proposal for amending the Regulation if necessary.

4.4.17. **(A)Categorization of MSME:** Telangana Industry Welfare Association & Others stated that, SSI units had been categorized to LT, LT IIIA, and LT IIIB in accordance with their connected loads with marginal difference in tariff rates. However, LT IIIB has been abolished and merged with HT category. This has resulted in many SSI units shutting down part of their production and reducing their connected loads. MSME are struggling for their existence. Hence, the Objector has requested the Hon'ble Commission to restore the LT-III category.

**(B)Licensee's Response:** Earlier under the specific conditions applicable to LT-III (B), the metering was provided on HT side of the Distribution Transformer with a Tri-vector meter and Customer charges shall be as applicable for HT-11KV consumers. As the consumer base and energy usage of LT-III (B) is very similar to the HT 11 kV Industrial consumers and also the metering of LT-III (B) consumers is being done on the HT side, Discoms have proposed to merge LT-III(B) category with HT-I Industrial category during the ARR filing for FY 2013-14 and the same was approved by the Hon'ble Commission. In view of the above the LT-III (B) category cannot be restored.

**(C)Commission's View:** The Commission has retained the contracted load up to 100 HP under LT-III Category and beyond 100 HP of contracted load under HT-I(A) Industrial Category.

4.4.18. **(A)Levy of charges:** Telangana Industry Welfare Association & Others stated that, the additional charges in the form of Customer Charges, Electricity duty & Billing based on Minimum consumption should be withdrawn. According to the Objector, Customer charges, should be levied once, and not on a regular basis, as they are already paying Demand/Energy charges. Further, the Objector has said that all the consumers are being charged on KVAH basis, instead of KWh. Due to this change, consumers with 0.95 power factor, are made to pay consumption bills by 0.05% extra. Hence, the Objector requests to the Hon'ble Commission to shift to the old system.

**(B)Licensee's Response:** Not Furnished

**(C)Commission's View:** The electricity duty collected from the consumers will be remitted to the Government account as per Electricity Duty Act, which is not an extra income to the Licensee. Customer charges are part of tariff income to meet the expenses of serving the consumer.

The minimum consumption charges determined is a part of the tariff in order to recover the revenue requirement of the Licensees.

Both the kWh and kVAh units are equal at unity power factor. In order to limit the reactive power drawl by the consumer from the grid in turn to reduce the loading on the network and line losses, the Commission has decided to continue to levy the tariff on kVAh basis has been in practice. Further the erstwhile APERC has amended the General Terms and Conditions of Supply (GTCS) in this regard.

4.4.19. **(A)Categorization of parks as commercial activity:** Confederation of Welfare Associations stated that, it is finding difficult to meet high electricity charges as TSSPDCL, is applying commercial tariff for the colony parks. The Objector has stated that, power supply in these parks is used for running pumps for watering plantations and lawns or lighting. There is absolutely no commercial activity, and the parks are synonymous to agricultural lands.

**(B)Licensee's Response:** As per the definition of Tariff Order, the nature of activity of watering the lawns and colony parks come under the Non-Domestic Category. Hence the applying of LT-II tariff is as per the terms had conditions of Tariff mentioned in the Tariff Order.

**(C)Commission's View:** The power supply to parks caters to mixed loads which includes lighting load and pumping and cannot be categorized under agriculture.

4.4.20. **(A)Categorization of nurseries as commercial activity:** Indian Nurserymen Association stated that DISCOMs are creating unnecessary confusion by interpreting nursery activity as either industrial or commercial. The Objector, has thus stated that, nursery activity is agricultural, and should come under agricultural activity.

**(B)Licensee's Response:** It is to inform that as per the Tariff Order the rural horticulture nurseries with connected Load up to 15 HP are categorized under LT-V(C)-Others category and if the connected load is more than 15 HP they shall be billed under LT-III - Industrial General category tariff.

**(C)Commission's View:** The State Government is providing necessary subsidy for Agriculture sector in which the Government has included the rural nurseries (up to 15 HP) also. Hence, the request is not considered.

4.4.21. **(A)Objections against the proposed tariff for HT-V (Railway Traction), category of South Central Railways:** Sri M.K Gupta, Chief Electrical Distribution Engineer, South Central Railway, submitted that DISCOM has proposed traction tariff in two parts, i.e. Rs 370 per kVA as demand charges & Rs 7.65 per kVAh as energy charges, instead of single part tariff, of Rs 6.36 per kVAh. The per unit rate with the proposed two part tariff works out to Rs. 8.94, which is substantially higher than the rate charged to HT-1 category consumers. This proposed increase will lead to 40.57% increase over the existing tariff and would be higher by 72% of Average Cost of Supply of Rs. 5.20 per unit. He further stated that it will burden the railways enormously and requested the Commission to review the imposition of two part tariff. Moreover, the proposed hike is against the National Tariff Policy and provisions of Section 45(4) of Electricity Act, 2003. Further, electrification of Railway network in Telangana on account of increase in Tariffs will make it unviable.



**(B)Licensee's Response:**

The Tariff need not be the mirror image of actual cost of supply or voltage-wise cost of supply. This view is supported by the decisions of the Hon'ble Tribunal for Electricity (ATE). The proposed increase in tariff is in accordance with the provisions of Section 62(3) of the Electricity Act, 2003. Further Cost of Service has increased to Rs.5.90 ps. per unit in ARR for FY 2015-16 for various reasons. There is no need to compare Railways with other HT consumers as no power cuts are imposed and un-interrupted power supply is being made to Railways. The Railways are exempted from ToD Tariff. Further, Railways are exempted from the Electricity Duty also. The proposed tariff is reasonable.

**(C)Commission's View:**

The Commission decided to continue the past policy of levy of tariff on kVAh basis. The Commission has not considered the demand charges as proposed by the DISCOMs. There is an increase in the Cost of Service in FY 2015-16 for proper reasons. The single tariff system shall continue and no rebate shall be given to any new project. The Commission has not allowed fully the tariff increase and determined the single tariff of Rs.6.80 ps. per unit for the Railway Traction considering the provisions of Section 62(3) of Electricity Act, 2003 and other relevant factors.

- 4.4.22. **(A)Objections regarding exempting from payment of electricity charges by certain category of farmers:** Sri M. Kodanda Reddy, Chairman of Kisan- Kheth Mazdoor Congress and others, stated that corporate farmers and income tax assessee farmers have to pay electricity bills, while rest is exempted. The Objector highlighted the fact that, there is no clear meaning or interpretation, as to which classes of farmers are to be considered in this group.

**(B)Licensee's Response:** Licensee is following the existing modified free power policy of the state Govt. Hence, the re-classification of Agricultural Consumer category is under the purview of the Hon'ble Commission as per Govt. policy.

**(C)Commission's View:** It is the policy of the Government to decide which group of consumers under agriculture category has to pay the electricity charges to some extent and which group to be subsidized fully.

As far as the grouping of agriculture consumers is concerned the State Government has devised different criteria for grant of different level of subsidy to different group of consumers under the same category, since the grant of subsidy under section 65 of Electricity Act, 2003 is within the powers of the State Government.

4.4.23. **(A)Objections/Suggestions regarding tariff hike for consumption upto 200 units:** Sri Kotturi Raju stated that paying electricity bills is a burden for a common man and thus requested that there should be no tariff hike for consumption upto 200 units.

**(B)Licensee's Response:** The licensee has proposed no tariff hike for consumers whose consumption is below 100 units whereas for consumers whose consumption lies in 100-200 units, a tariff hike of only 4% has been proposed.

**(C)Commission's View:** The Commission has considered the suggestions favourably.

4.4.24. **(A)Objections/Suggestions regarding change of ownership of Agl. Services:** Sri Kotturi Raju, Kodela Samaiah and others stated that

- a) Ownership of the Agl. Service Connection Nos. are not being changed in the event of sale of land or death of the farmer. Hence they have requested that the Licensee changes the ownership of service connection to the existing farmers.
- b)They also stated that if there are 15 pump sets under 1 DTR and if 10 farmers pay the bill and others do not, disconnection is effective all the 15 farmers which is not correct)They have stated that many farmers have paid DD's for service connections but still connections have not been sanctioned to them.

d) They have stated that the blades used to change feeders have been damaged due to burns. This issue has been informed at Warangal, Karimnagar and Nizamabad ERC, but no action has been taken.

**(B)Licensee's Response:** a) The change of ownership will be done once the consumer submits the application, relevant documents along with application fees in e-seva centers.

b) Electricity customer charges are intimated to the consumer and disconnection is made to those who have not paid within due date.

c) Connections have been given to consumers who have paid DD's.

d) Chityala feeder blades have been replaced.

**(C)Commission's View:** a) The replies of licensees of item (a) is satisfactory. The licensees are directed to effect the change of name on production of required documents without delay.

b) The Discoms shall ensure that the supply is not disconnected at transformer level effecting consumers who have paid the bills.

c) Normally the consumers will not give compliant unless there is a problem for them. Considering this aspect the Discom shall re-examine its operational mechanism in giving new connections to avoid illegal practice, if any.

d) The Discom shall ensure that the burnt / damaged blades of AB Switches of feeders are replaced regularly.

The Discoms are directed to examine the possibility of establishing operational crew consisting of two or three staff with vehicle and spare parts, to attend rectification of defects in transformer structures, carrying the minor repairs to the transformers at site, etc specially in rural areas. This will avoid a lot problems faced by rural consumers.

The Discoms are directed to ensure that the staff members including officers shall reside at their headquarters of posting so as to make them easily accessible to the consumers.

4.4.25. **(A)Objections regarding revenue gap due to higher fuel costs:** Sri M. Thimma Reddy and others stated that, according to recent report of CAG, Reliance Industries has been charging gas price to its consumers at USD 4.205 per unit. As per price discovery process, it should have been USD 4.20 per unit. Hence, TS Discoms, should be directed to recover the excess amount paid, and to that extent true up of PPC amount shall be brought up.

**(B)Licensee's Response:** The suggestion is noted.

**(C)Commission's View:** The Commission directs the Discoms to take necessary action.

4.4.26. **(A)Objections regarding water purifying plant to be considered as industry & not as a commercial activity:** Palamoor R.O Water Plants Association stated that, water purifying plant is a industry of processing the water and the same shall not come under the commercial activity. Hence the billing retrospectively for the past period against the water plant service connections is not proper and is not liable to pay the same. They also requested the commission to direct the ADE/Op/Mahaboob Nagar Town TSSPDCL not to change the service connections of water purifying plants from Category III to category II.

**(B)Licensee's Response:** As per the Tariff Order , Industrial purpose shall mean, supply for purpose of manufacturing, processing and/or preserving goods for sale, but shall not include shops, business houses, offices, public buildings, hospitals, hotels, hostels, choultries, restaurants, clubs, theaters, cinemas, bus stations, railway stations and other similar premises, notwithstanding any manufacturing, processing or preserving goods for sale. As per this definition R.O. plant does not come under Industry as there is no manufacturing activity and the water is being sold at higher prices and thus they are being categorized under Non-Domestic category. However the categorization of any activity is under the Purview of the Hon'ble Commission.

**(C)Commission's View:** The Commission agrees with the views of Discoms on this issue.

#### **4.5. OBJECTIONS/ SUGGESTIONS REGARDING GOVT. SUBSIDY**

4.5.1. **(A)Prudent check of projected sales for FY2015-16:** Smt. P. Vydehi, Secretary (I/C), FAPCII & others stated that higher consumption by subsidized LT agricultural category has led to an increase in subsidy requirements and this needs to be appropriately addressed by the Hon'ble Commission. The Hon'ble Commission is duly requested to conduct a prudent check and approve energy sales based on realistic numbers, as the DISCOMS have projected the Industrial & Agricultural sales on the higher side.

**(B)Licensee's Response:** The sales to industrial category in previous years (FY 13-14 and 14-15) have been constrained due to restriction and control measures. For FY 2015-16 sales figure has been arrived after adjusting for restriction and control (R & C) measures which were earlier in place. Sales for other categories were done on realistic basis considering historical trend and future plans. The overall sales of TSNPDCL for FY 2015-16 are projected to grow at 10% over the FY 2014-15.

**(C)Commission's View:** The category wise sales projected for FY 2015-16 was examined and the Commission also examined the CAGR (Compounded Annual Growth Rate) of last 5 years and the impact of R&C measures in previous year sales and decided to accept the sales projected by the DISCOMs except for LT-V Agriculture, HT-IV Lift irrigation, HT-V Railway Traction and HT-III Airports, Bus stations, Railway stations. Regarding these categories the Commission after obtaining the information on present status of work progress of lift irrigation schemes and Hyderabad Metro Rail works, determined the sales. Regarding determination of LT agriculture sales, it has already been explained in the similar issue raised by the objectors.

4.5.2. **(A)Additional subsidy requirement from State Govt. for Discoms:** Smt P. Vydehi, Secretary (I/C), FAPCII & others stated Hon'ble Commission should determine the additional subsidy requirement from State Govt. to subsidized categories based on actual consumption of subsidized categories for all years covered under Tariff Regulations. They also requested to readjust the level of subsidy from State Govt. based on actual consumption levels such that cost of supplying subsidized power to select consumer categories is not borne by other subsidizing consumers, in terms of true-up of revenue gap of FY 2013-14, FY 2014-15. The additional subsidy requirement from state Govt. towards subsidized power supply to select sub-categories of LT-I and LT-V is to the tune of approximately Rs.335.13 Cr in FY 2013-14 and Rs.4194.32 Cr in FY 2015-16 in respect of TSNPDCL and also suggested that subsidized tariffs should be worked upon after considering the available subsidy levels from the State Govt.

**(B)Licensee's Response:** The licensees stated that they are obligated to provide supply to all categories of consumers, including subsidized consumers as per NTP; the tariffs to the consumers are to be fixed at +/- 20% of CoS. Hence it is deemed that the consumers whose tariffs are fixed over and above COS will cross subsidize the consumers whose tariffs are below COS to ensure revenue neutrality. The tariff to the subsidized categories is fixed after considering the Cross subsidy portion of the subsidizing consumers and the subsidy portion extended by the state government. It is pertinent to mention here that there will be always change in sales mix in almost all the categories and thus there will be always changing in revenue. In view of this the DISCOM is claiming.

Any other revenue deficit after adjusting cross subsidy will be met through Government Subsidy.

**(C)Commission's View:** As regards additional subsidy to be provided for increased sales to subsidized categories, the Commission, while taking up the true up mechanism, limited the Agricultural consumption quantum to the approved quantum in the Tariff order, which is as per Regulation 1 of 2014. In case of other subsidized categories, for any increase in sales, normally the cross

subsidy is met through cross subsidy gain due to increase in sales in subsidizing category.

#### 4.6. OBJECTIONS/SUGGESTIONS ON OPERATIONAL ISSUES

4.6.1. **(A)Providing metering and estimation of agricultural consumption:** Telangana State Ferro alloys Producers Association & others stated that agricultural consumption should be completely metered and transparency in accounting for agricultural consumption, as well as arriving at distribution loss figures should be ensured. Agriculture consumption over and above the approved quantum should be entirely met with the Govt. subsidy. Sri M. Kodanda Reddy also raised the issue of absence of metering of agricultural connections and suggested metering of all DTRs providing electricity to agriculture consumers.

**(B)Licensee's Response:** To state that non metering of Agriculture consumption is in contravention of Section 55 of the Act is not correct. Though section 55(1) mandates the licensee to supply electricity through a correct meter, the second provision of sec 55(1) says that 'provided further this the state commission may, by notification extend the said period of two years for a class or classes of persons of persons or for such area as may be specified in that notification. In pursuance thereof, the Hon'ble commission of undivided state of Andhra Pradesh, every year in the tariff order stated that since metering agricultural is not completed, the estimation of agricultural consumption shall be done as per the methodology which is approved by Commission. At present in the tariff order for FY 2013-14, the commission directed the DISCOMS to estimate the agricultural consumption based on new methodology which is approved and the same is being complied by the Licensee. Hon'ble Commission is approving agriculture sales quantum based on previous years approved agriculture sales. In fact the commission has approved same sales of FY 2012-13 for FY 2013-14 also without considering releasing of new agriculture connections.

As regards to the metering of DTRs, TSDISCOMS have projected the Agricultural sales based on the actual sales data available and also release of pending agricultural connections. Consumption metered by the sample meters in each DTR is estimated based on the ISI methodology and then total energy from all such DTRs is determined. Discoms are planning to improve the sample metering up to 10% of DTRs which would enable to enhance the efficiency.

**(C)Commission's View:** It is true that under the Sec. 55 of the Electricity Act, 2003, all the consumers shall be provided with correct metering within 2 years of the appointed date. But the second provision stipulates that the Commission can extend the said period of 2 years by notification for a class of consumers. Under this provision the erstwhile commission, considering the practical difficulties in providing meter to individual agriculture consumers had directed to provide the meters to LV side of the agricultural DTRs on random sample basis based on ISI methodology, in the Tariff orders.

The DISCOMs have furnished sample valid DTR meter readings on monthly basis during FY 2014-15. The Commission while arriving the agriculture sales for FY 2015-16, considered valid DTR meter readings in ISI methodology, number of agriculture connections likely to be released in FY 2015-16, number of services existing and connected load on the record of DISCOMs. However, the Commission directs the Discoms to improve the metering infrastructure on DTRs supplying electricity to agriculture consumers to enhance the metering efficiency.

The Commission while truing up the Power purchase cost will limit the agriculture quantum to the Tariff Order quantity or actual sales whichever is less as per Regulation No. 1 of 2014 of APERC, adopted by TSERC. Thus the passing of excess costs due to excess agriculture consumption does not arise.



4.6.2. **(A)Anomaly in Agricultural Consumption of two Discoms:** Sri M.Kodanda Reddy, Chairman of Kisan- Kheth Mazdoor Congress & others stated that, DISCOMS are claiming that they are supplying power for 7hours per day, for agricultural sector, whereas in reality farmers get hardly 4 hours of power supply. Agricultural consumption figures provided by DISCOMS are anomalous. According to DISCOMS fillings, per pump set consumption under TSSPDCL is 7528 units, whereas under TSNPDCL it is 4567 units. The value differs even though hours of consumption for both DISCOMS are same.

**(B)Licensee's Response:** In the current and previous year, the licensee has imposed the load restriction to certain categories such as domestic, commercial and industrial consumers to maintain grid stability under insufficient power availability duly maintaining 7 hours per day power supply to Agriculture consumers to the maximum extent possible. In FY 2015-16, the licensee expects that availability of power will improve on account of upcoming new generation power plants i.e., KTPP Stage-II, lower Jurala, Pulichinthala, Tuticorn, Krishanptnam Stage-I & II, Hinduja and short term power procurement. In view of the above, the licensee shall provide 7 hours of power supply to the Agriculture consumers.

The actual consumption for agricultural Category is more than the approved consumption by Hon'ble Commission in the respective Tariff Orders. However, the Government subsidy towards agriculture consumption for the year is provided as per approved agricultural consumption in the Tariff Order issued by the Hon'ble Commission. DISCOMS arrive at agricultural consumption based on ERC ISI methodology only and submitting the consumption to the Hon'ble Commission every month.

**(C)Commission's View:** The Commission examined the DISCOM wise agriculture consumption allowed in the earlier years in the entire state, there is a variation in agriculture consumption per HP basis. This may be due to Crop pattern, depth of Borewell and availability of water in Borewells. However, the

Commission directs TSNPDCL to examine the substation wise MRI dumps of sample DTR meter readings on number of supply hours given to avoid the problem of disparity. The MRI dumps shall be reviewed every month in order to avoid the disparity if any.

4.6.3. **(A)Objections/Suggestions on ascertaining and arresting energy pilferage:** M/s Deccan Smiths Ltd. & others, stated that, DISCOMS have not made any exercise in ascertaining and arresting energy pilferage with the result, that the cost of the pilferage is passed on to the consumers.

**(B)Licensee's Response:** TSSPDCL is making vigorous inspections and registered pilferage cases in its area. The cases booked and amount is as given below:

<b>PARTICULARS</b>	<b>Apr-14 to Jun-14</b>	<b>Jul to sept-14</b>
No of services inspected	189519	140824
No of cases booked	29990	29046
Multiple connections	138 clubbed into 52	148 clubbed into 46
Direct Tapping	6343	5719
Amount assessed & realized (in Lakhs)	107.92/34.61	133.34/30.32
Meter bypassing	1509	1093
Amount assessed & realized	552.39/173.54	249.46/98.94
Supply utilized for UDC	1902	2278
Amount assessed & realized	7.82/3.77	9.68/3.62
Supply extended to other tariff Category	4858	4999
Amount assessed & realized	184.44/114.88	299.68/120.17

The Licensee is working actively on cutting down the losses. The Vigilance (DPE) wings are available in the DISCOMs who are exclusively conducting inspections to detect theft and any other unauthorized usage of supply by the consumers. The DPE wing is conducting the intensive inspections on high loss DTR areas along with Operation Engineers for verifications of bill stopped,

UDC, Nil Consumption, not in use services and meter tamper services and conducting of special raids in theft areas to register theft cases. Apart from the DPE wing, the operation staff are also registering cases where ever theft is noticed. In view of the above, all the necessary steps are being taken to curb the theft of energy in TSSPDCL

**(C)Commission's View:** The Discoms should continue their efforts more vigorously for further reduction of commercial loss particularly theft and pilferage of energy as directed by the erstwhile Commission in the tariff order for FY 2013-14.

4.6.4. **(A)Compliance with Commission's Directive:** M/s Salguti Industries stated that the Discoms have not complied with the Commission's directive as contained in the Tariff Order for year 2013 and 14. Hence, Commission must appoint a committee with representatives of each category of Consumers & give a report on compliance of the directives.

**(B)Licensee's Response:** It is to inform that the directives issued by the Hon'ble Commission were complied with and TSSPDCL submitted the compliance reports to the Hon Commission.

**(C)Commission's View:** The Commission has been regularly monitoring the performance of the licensees including the directives issued by it.

4.6.5. **(A)Objections/Suggestions regarding Andhra employees in TSERC:** Sri A. Surender Reddy, Sri Kavali Ramulu and others stated that Andhra employees have been taken into TSERC, the end result of which is that injustice is done to unemployed citizens of Telangana. There is a possibility of Andhra knowing the decisions taken by TSERC beforehand. Hence it is requested that the employees taken on the grounds of spouse case and others be carefully examined and proper decision taken.

**(B)Licensee's Response:** Issue not under Licensees jurisdiction.

**(C)Commission's View:** The present staff members are allocated by The Government of Telangana to TSERC, from the existing staff of erstwhile APERC, no new Regular staff has been recruited so far except one person in the legal wing as a consultant.

4.6.6. **(A)Objections/suggestions on deaths due to electric shocks:** Dr. L. Muralidhar, Sri M. Kodanda Reddy and others stated that every year hundreds of farmers are meeting deaths due to electrical shocks, which are around 436 during 13-14. DISCOMs haven't provided complete details of these accidents. In case of deaths due to electrocution, the compensation is not given properly. TSNPDCL mentioned that compensation was paid in 56 cases out of 185 deaths in 2013-14 and in 11 cases out of 87 deaths during first half of 2014-15. These could have been avoided if there were timely and sufficient technical support at ground level and good quality electrical work. Hence, the Objector suggests that GoTS, should recruit more linemen, in order to avoid such cases.

**(B)Licensee's Response:** Every effort is being made to avoid accidents, by taking up regular maintenance works like replacement of conductor, providing of intermediate poles, maintenance of DTRs structure and LT lines, providing of earthing. During the FY 2014-15 the licensee has erected 4177 middle poles in the loose lines with an expenditure of RS 1.89 Crore, 23207 locations in various lines were rectified to avoid accidents.

Further works were awarded to erect 200 middle poles in each section in DISCOM in the coming 3 months. As per directions of APERC the NPDCL has enhanced existing ex-gratia amount in case of fatal accidents to non-departmental person and animals due to electrocution i.e. Human being from Rs.1 to 2 Lakh, cattle from RS. 3,000 to Rs. 20,000 and goat and sheep @ Rs.4,000

respectively and sanction procedure is simplified to grant ex- gratia to victims irrespective of the mistake from any side. Further online tracking of accidents taken place in TSNPDCL and reports submission is commenced from 12/2014 to see that all eligible victims receive compensation at the earliest.

Rural network is strengthened by incorporating additional improvement of transformers, substations and sanction of HT and LT lines in year 2014-15. The Spacers are used to prevent accidents in case of snapping of LT lines. The 11 KV breakers at 33/11 KV substations are put in trimmed condition for cutting of the power supply in case of snapping of 11 KV conductor. Higher size of conductor is replaced where the lines are overloaded. To support the field staff, the labor@ Rs 4000/- per month is deployed in TSNPDCL for extending better services in 250 distribution substations section.

**(C)Commission's View:** The Commission has been directing the Discoms to take all preventive measures to avoid accidents. In cases of accidents after such measures they are required to pay compensation promptly after verification of individual cases. Despite directions of the Commission, the sad part is that the numbers of accidents are increasing. The Discoms must initiate steps on a warfooting basis to reduce the accidents and loss of human life. Provision of Rs. 200 Crore for each Discom has been made under Special appropriation for safety measures in the Tariff Order for 3rd Control period.

4.6.7. **(A)Poor quality of Supply:** Dr L. Muralidhar, Jana Vignana Vedika& Sri M. Kodanda Reddy, Chairman of Kisan-Kheth Mazdoor Congress and others stated that electricity received by farmers was of uneven quality with unpredictable interruptions. The Objector further stated that DISCOMs should continue their earlier practice to post feeder wise electricity supply details on their websites. DISCOMs are also not adhering to proper maintenance/replacement of DTRs. Low quality of power in rural areas is also because of crumbling transmission lines and distribution network. Old conductors are hanging low endangering lives as well as resulting in high transmission losses

**(B)Licensee's Response:** Voltages and quality of power supply to consumers is closely monitored from corporate office level whenever the complaint is received regarding low voltages and poor quality of supply. Everyday 11KV feeder wise electricity supply details are received from field on the same day at night hours and will be reviewed regularly. In rural areas, the old conductors are being replaced in a phased manner. The old DTRs having age more than 25yr. and drawing more magnetizing currents are survey reported and replaced with new DTRs. Due to complaint of theft of DTRs and meddling of DTRs, small capacity of DTRs are erected and controlled a group of DTRs with one AB switch.

**(C)Commission's View:** The reply furnished by the Discoms with regard to paying attention to rectify the poor quality of supply is in order. The suggestion of the objector on placing the details of feeder-wise breakdowns and replacement of failed DTRs shall be followed by the Licensees.

4.6.8. **(A)Objections regarding implementation of DSM measures in agriculture:** Dr L. Muralidhar, Sri M. Kodanda Reddy and others stated that farmers have to undertake DSM measures. DISCOMs have claimed that more than 90% of farmers have installed capacitors, but, the truth is not even 10% have done so. Present pump set efficiency in the state is only 25%, and this could be increased to 50% by using ISI standard motors. Due, to overloading of DTRs, the ISI pump-sets do not work properly. So, the Objector has requested the State Govt. and DISCOMs to install ISI standard motors and increase no of DTRs. He also suggested that Govt, should take up the responsibility of replacing motors with the help of any Third party, as done in Tamil Nadu.

**(B)Licensee's Response:** A drive has been conducted in TSNPDCL for installation of Capacitors to Agricultural pump sets. Further, while releasing of services it is ensured that the farmers follow DSM measures then only they are made eligible for free category. However 282 capacitors of 2 MVAR were already in use in the existing substations, 169 capacitors of 2/1 MVAR work is under progress. Improvement of DTRs and Erection of new 33/11 kV and 132/33 kV substations are proposed for improvement of voltages at tail end consumer. Wherever the authorized overloading is noticed, the additional DTR of adequate capacity in the agriculture sector at load centre is installed.

**(C)Commission's View:** The Discoms are directed to verify the truth on working of LT capacitors of pump sets. They are also directed to verify the facts on the functioning of ISI motors in the existing field conditions as pointed out by the objector and steps should be taken to improve the situation in this regard.

4.6.9. **(A)Issue of combined bills for agricultural services:** Sri M. Kodanda Reddy and others stated that, the DISCOMs continue the process of issuing single bill for domestic as well as agriculture services in the rural areas. When there were delays in paying the bill for agriculture service domestic connection is being disconnected. This is highly objectionable and goes against the rules. Hence it is requested to the Commission to direct the DISCOMs to issue separate bills for domestic and agricultural services.

**(B)Licensee's Response:** No integration of agriculture Services with domestic services was done in TSNPDCL.

**(C)Commission's View:** The licensees are advised to strictly follow the provisions contained in the Electricity Act, 2003 and the General Terms and Conditions of Supply (GTCS).

4.6.10. **(A)Notification of sub-categories to farmers:** Sri M. Kodanda Reddy and others stated that DISCOMs are also not notifying the farmers to which sub-category they belong to. A large number of farmers were receiving notices asking them to pay huge amounts as they belong to paying sub-category.

**(B)Licensee's Response:** The provision of sub categories will be inserted in the bills of agriculture consumers from 01-05-2015 onwards.

**(C)Commission's View:** The reply of the Licensee is satisfactory.



4.6.11. **(A)Objections/Suggestions regarding stipulation of land under irrigation schemes:** Sri M. Kodanda Reddy and others stated that, farmers with more than 2.50 acres of land under major and medium irrigation schemes will not be eligible for free power. Here it is to be noted that farmers at the tail end of these projects and under projects like Sreeramsagar whose irrigation potential has drastically come down, are forced to go in for well irrigation as they rarely get water from canals and thus are treated as irrigated farmers in Govt. records but they do not get the benefits of this irrigation. Taking this fact into account the Objector requests that the farmers irrespective of their holding size under the irrigation schemes should be treated as eligible for free power.

**(B)Licensee's Response:** The licensee is following existing modified free power policy of the State Government. Hence, the reclassification of agriculture consumer category is under the purview of the Hon'ble Commission as per government policy.

**(C)Commission's View:** The sub-categorization of agriculture is done as per the Government policy since it is linked with subsidy amount to be given by the government.

4.6.12. **(A)Solar power for agriculture, dedicated lines & transmission lines in agricultural fields:** Mr M. Kodanda Reddy and others stated that, GOI should put up a few projects where the agriculture feeder is powered by solar energy. Farmers of Nalgonda and Medak are suffering a lot as very often power meant for them is diverted to meet the needs of Twin Cities of Hyderabad and Secunderabad. An alternative could be to set up a power plant dedicated to the needs of Twin Cities. Farmers are not being paid for the land taken to lay power lines as the DISCOMs are applying out dated Telegraph Act. Land acquisition Act 2013 has to be applied in this case. He has also mentioned the compensation package, which has been worked out in Rangareddy district, by a Committee. Hence, the Objector requested the Commission,

- To enable the adoption of Telangana Resettlement, relief, Rehabilitation and Compensation Policy.
- Provide adequate compensation to affected farmers.
- Farmers, who are in possession of assigned pattas and other land entitlements, should also be given compensation at par.
- Provide specific instructions to relevant officials.
- Enable release of information on entire project in a public domain.

**(B)Licensee's Response: This issue is not under purview of the Licensee.**

**(C)Commission's View:** The setting up of any type of power plant with government funds is in the purview of the Government. Provision of any compensation under Rehabilitation and Resettlement policy to the affected persons for building of power plants/lines is under the purview of the appropriate government.

4.6.13. **(A)Objections regarding payment of arrears:** Sri M. Thimma Reddy and others, stated that, arrears pending for over six months to be received from consumers (with arrears above Rs. 50,000)as on 30th September 2014 stand at Rs. 2,146.34 Crore (SPDCL - Rs. 1,796.07 Crore and NPDCLRs. 350.27 Crore). HT industries account for 50% of these arrears. These consumers whose arrears are to the tune of Crores of rupees continue to receive power which is not so for domestic consumers as well as farmers.

**(B)Licensee's Response:** All the services except the Govt. are promptly disconnected for nonpayment of CC dues. Out of Rs. 350.27 Crore, the amount outstanding from HT consumers is Rs.151.41 Crore. The HT consumers have approached the Hon'ble court of law on levy of PDL & PCL charges during R&C period from 12-09-2012 to 31-07-2013. The services could not be disconnected as the matter is sub-judice. Most of the services with above Rs.50,000/- CC dues are SC/ST and Govt. services. The Govt. of Telangana has

released Rs.64.54 Crore towards Scheduled Caste consumers CC bills whose consumption is 0-50 units per month during the current Financial Year. The payment of CC dues in respect of ST consumers is under process

**(C)Commission's View:** The licensee shall take necessary steps as per the regulation in order to realize the arrears.

4.6.14. **(A)Objections/suggestions regarding Load restrictions/ Power Cuts:** Telangana State Ferro alloys Producers Association stated that about 10 to 12% of the time, power supply is not made available on an annual basis due to forced outages and breakdowns in the system. Added to this DISCOMs are implementing R&C measures, during peak load times (6pm to 10pm).

**(B)Licensee's Response:** While calculating the deemed consumption, the licensee is deducting the R&C periods (if any).However, it is to inform that the intention of the deemed energy charges /minimum energy charges are to be levied to recover the fixed charges to be incurred by the licensee which are incurred irrespective of energy drawn from the generators and actual energy supplied to consumers.

**(C)Commission's View:** With respect to levying of deemed energy consumption during R&C period, the reply furnished by the licensees is satisfactory. The licensee shall maintain the network in such a manner that the interruptions and breakdowns are minimal.

4.6.15. **(A)Objections regarding installation of HVDS transformers:** Sri M. Kodanda Reddy, Chairman of Kisan- Kheth Mazdoor Congress and others stated that HVDS transformers are five times costlier as compared to regular DTRs. So, it would be better if same amount was spent and regular DTRs were installed instead of HVDS DTRs. The Objector has further, analyzed LT-DTRs and HVDS DTRs as follows:

Power Factor	Cost of HVDS	Cost of LT- DTR	Additional Cost	Returns per year from HVDS	Payback Period (Years)
0.6	629628	115000	514628	18949	27.16
0.7	629628	115000	514628	13923	36.96
0.8	629628	115000	514628	10660	48.28

**(B)Licensee's Response:** 2,49,845 Agricultural services are converted into HVDS since 2005 out of 1007669 Agricultural services existing in TSNPDCL as on 28.02.2015. This shows that 24.7% Agricultural services are converted into HVDS till now. Further 1, 24,335 Agricultural services are covered under JICA which are programmed up to FY 2016-17. This shows that 37% of the pump-sets are covered. Balance pump-sets will be taken up in phased manner. Envisaged benefits are achieved on HVDS implemented 11 KV feeders. The transformers failures are decreased and theft of energy is arrested. The voltages are increased at consumer side, Reliable and quality power is being supplied to all the consumers and they were satisfied with HVDS. Further 11 KV line losses are decreased.

The benefits accrued after implementation of HVDS are computed and enclosed as annexure (A). The HVDS works were taken up after analyzing the losses as a major factor. The distribution losses reduced is to be considered as saving in the natural resources like coal, gas, etc., used for power generation. In addition to the above DTRs are shifted to the load centers in HVDS duly improving the voltage profile in the LT system. Farmers are very much in support of HVDS system and farmers are requesting for HVDS system to their pump sets as there is good voltage profile and better discharge of water. Year wise pump sets covered and expenditure incurred in HVDS system are as give below:

Year	No of Pumpsets	Amt in Rs Crore.
2005-06	44729	83.13
2006-07	5232	6.52
2007-08	14437	35.44

2008-09	13672	50.63
2009-10	77648	68.35
2010-11	20460	78.59
2011-12	26332	80.06
2012-13	13771	52.8
2013-14	7621	25.27
2014-15	25943	80.28

**(C)Commission’s View:** The reply furnished by the Discoms is satisfactory.

4.6.16. **(A)Objections/suggestions regarding reduction of distribution losses:** Sri M. Venugopal Rao and others stated that, the Hon’ble Commission should fix targets of reduction of distribution losses realistically not only DISCOM-wise but also circle-wise to infuse a sense of accountability at various levels, since there is a vast difference in distribution losses among various circles.

**(B)Licensee’s Response:** TSDISCOMS would strive for achieving the loss trajectory as specified by the Hon’ble Commission. TSDISCOMS also humbly submit to the Hon’ble Commission that it should either allow projection of Agriculture sales based on the actual sales and provide a low loss trajectory or disallowed Agricultural sales be recognized as losses and loss trajectory devised accordingly.

**(C)Commission’s View:** The Commission cannot go to the micro management level within the organization of licensees. The Commission can determine the loss trajectory licensee wise. It is the duty of the licensee to achieve the loss trajectory by adopting appropriate methods.

4.6.17. **(A)Objections against DISCOM’s failure to contain distribution loss:** Sri M.R Prasad, Telangana Ferro Alloys Association stated that, actual performance of the DISCOM with respect to distribution losses reduction for the past two years and the expected losses for the ensuing year are as follows:

FY13-14		FY14-15		FY15-16	
APERC Target	Actual Losses	APERC Target	Estimated Losses	APERC Target	Expected Losses
11.8 <sup>0</sup> %	13.32 <sup>0</sup> %	11.8 <sup>0</sup> %	11.97 <sup>0</sup> %		11.88 <sup>0</sup> %

As per the estimate and figures submitted by the DISCOM 1% loss corresponds to about Rs 72 Crore. If the DISCOM is able to contain the losses within the target, there is no requirement of Tariff hike.

**(B)Licensee’s Response:** The Licensee is putting utmost efforts in reducing losses. Regular network strengthening works for reduction of technical losses with various schemes are being taken up and necessary steps are being taken up for reducing commercial losses by conducting regular DPE inspections. TSNPDCL has under taken various loss reduction measures. Distribution losses have been brought down from 26.81% in 2000-01 to 13.32% in 2013-14 (Including EHT Sales). However, the Distribution Licensee has adopted voltage wise distribution loss levels for FY 2015-16 as approved in the Distribution Tariff Order for 3rd Control period by the erstwhile APERC. TSSPDCL submitted that originally during the second control period Hon Commission has fixed stiff loss targets. The DISCOMs have filed petition to revise the stiff loss trajectory fixed by the Commission to realistic levels. Hon Commission taking in to account ground realities has revised the loss targets in the Tariff Order 2010-11 for years from 2010-11 to 2013-14. DISCOMs have been striving to reduce Losses and between the First and second control periods, the losses have reduced from 19.47 % to 13.20 %.

**(C)Commission’s View:** The reply furnished by the Discom is far from satisfactory. The Discoms have not achieved the loss reduction trajectory as prescribed for the Control period by not spending in full the amount of investment approved in that control period. The Discoms are directed to take stringent action to reduce the losses duly spending amount of investment

approved for this purpose. The Discoms are directed to examine possibility of franchising the high loss feeders, to curb the commercial losses, before making claim that the actual losses are more than the approved losses.

4.6.18. **(A)Objections/suggestions regarding delayed payment surcharge:** M/s Deccan Smiths & others stated that, DISCOMs are imposing interest for whole month in the event of delay in payment of bills irrespective of the actual quantum of the delay. Even for a single day's delay, DISCOM's are imposing interest for full month which is arbitrary and against the equity and highly unreasonable.

**(B)Licensee's Response:** Delayed payment surcharge is charged at the rates as specified by the Commission as mentioned in the Tariff Order 2013-14.

**(C)Commission's View:** Delayed Payment Surcharge (DPS) is a compensatory charge in nature to bring about financial discipline among the consumers and to meet the working capital requirement of Discoms. The DPS is specified in tariff for different categories of consumers considering their consumption and billed amount.

4.6.19. **(A)Objections/Suggestions against increase in power tariffs and to improve the quality of power supply:** Sri Swamy Jaganmayananda, stated that

- Absence of three phase power supply, where required, improper earthing in transformers
- Absence of AB switches & presence of old conductor wires result in fatal/non-fatal electrical accidents.
- Power losses are huge, for which, necessary steps like, comprehensive survey of electrical installations;
- The existing shortage of power estimated at 4-5million units can be reduced or overcome by providing LED bulbs, switching of street lights in the day time, not allowing Agricultural lines to be used in place of poles by providing the poles to the Agricultural customers immediately on payment of amount for release of service.

- Declaration of a Power Holiday, metering of unmetered services, switching off street lights during day time and power audits should be conducted. Every feeder should be provided with AGL. /HVDS immediately. Hence, it requested to the authorities not to increase power tariffs and take necessary actions considering the interest of farmers and domestic users. Additional power levy of Rs 1089 Crore power charges on consumers have resulted in 5.75% increase in power tariffs.

**(B)Licensee's Response:**

- In TSSPDCL there are 2671 Nos. 11 kV feeders, which are supplying to villages and Agricultural sectors. A suitable AB switch provided to these feeders to provide 3 ph supply to the agricultural sector and 1 ph supply to domestic sector as per requirement. Separation of agricultural feeders from the villages requires huge financial requirement. However separation of agricultural feeders by laying separate lines is under consideration. Proper care is being taken by TSSPDCL for providing effective earthing at 1-ph transformers to avoid accidents during 1-ph supply period.
- Almost all DTRs are provided with the suitable AB switches. Whenever new transformer is erected, same is being erected along with AB switches.
- There will be no loss of power if the distance between the poles is more than 60 feet, Frequent patrolling of lines is being carried out for trimming of trees, Adequate numbers of DTRs are being erected to avoid low voltages, Suitable action are being taken to curb the theft of energy and erection of unauthorized lines/DTRs, Street lights are being maintained by local bodies and will be advised to switch off during day time, As per field requirement depending on the work load, the required field staff is deployed.
- The street lights are being maintained by local bodies, they will be advised accordingly. All pending Agricultural services are released by giving all required material like poles, conductor, etc.
- The activities listed are to be done on continuous basis as per the citizen charter services, like Bill Corrections, Providing Meters, Poles, Conductor, DTR's, AB Switches, Burnt Meters, Wrong readings, earthing etc.



**(C)Commission's View:**

- The Discoms shall ensure proper earthing for single phase transformers and/or to run a neutral wire from substations to single phase transformers in order to avoid accidents.
- **The Commission directs the Discoms to maintain the construction standards which are in force while executing the works. There should be proper supervision and quality control check on works executed in order to avoid breakdowns and interruptions. This will also avoid accidents. Further in order to avoid accidents on existing system, regular maintenance works to be carried out. They are also directed to take energy conservation steps under DSM measures.**

4.6.20. **(A)Provision of 24 hours electricity supply to Agricultural sector:** Sri. Janardhan Reddy, Sri Devi Reddy and others mentioned that in the state of Telangana, 2-3 deaths take place daily due to electric shocks during replacement of transformer fuse. Hence it is requested to provide power supply for 24 hours and install a timer at these transformers.

**(B)Licensee's Response:** As per Government norms agricultural sector is allocated 7 hours of electricity supply. In an instance of fuse going off the farmers are requested to inform the concerned department official, who will do the necessary repair. The process of informing cell phone numbers of all the officials' up to the line men at each village office is being taken up.

**(C)Commission's View:** The steps taken by the Licensees are in order. However, the Discoms shall ensure timely implementation of the above steps. If the employees fail to implement the above directives , necessary disciplinary action may be taken immediately. The action taken in this regard shall be kept in its website.

4.6.21. **(A)Provision of neutral wire to transformer from the substation:** Sri M. Ramdas, Smt CH Ananthamma and others stated that the single phase transformers can be arranged with 6.3 kV neutral from the sub-stations. They have suggested that all transformers be provided with earthing connection from sub-stations.

**(B)Licensee's Response:** In TSSPDCL all transformers are being safely earthed so that it does not cause any damage to farmers and animals. Provision of earthing wires from sub-stations to all transformers is a very costly affair. As a first stage implementation, works in villages having a sub-station are going on in order to provide neutral wiring to transformers. Thus necessary measures will be taken to provide neutral wires to the financially backward people.

**(C)Commission's View:** The Commission is of the opinion to implement the existing directive though it involves cost to avoid accidents (to human beings and animals) especially in the rural areas as many objectors have also raised this issue.

4.6.22. **(A)Compensation for electrical accidents:** Sri Prakash Chary and others stated that from the past 40 years electrical department wires are hanging amidst the agricultural fields, which can cause accidents and no lease or as such compensation is being given to the farmers owning the land. They have mentioned that the breakage of these wires can cause death of farmers present in the agricultural fields and the Discoms should pay monthly rental to the farmer for the wires passing through his fields. They have enquired whether the compensation paid to the victim's family is equivalent to the compensation paid to the officer of highest rank in the DISCOM.

**(B)Licensee's Response:** As per Electricity Act, the electrical wires and lines have to be necessarily installed thus no lease is given in this regard. In case crop gets damaged during the installation of lines and wires, the compensation

subsequent to the crop damage shall be given. And in case a farmer dies due to electrical wire/line breakage then a compensation of Rs.2 Lakh is given.

**(C)Commission's View:** The reply furnished by Discoms is satisfactory.

4.6.23. **(A)No current Data on Agricultural Services:** Sri G. Buchi Reddy and others stated that the Agricultural connections obtained 15-20 years back have been claimed as non-sanctioned by the Discom officials and no data related to sanction is present in the Discoms, computer and motor starter box and wires were taken away by the Discoms, as the connection was treated as unauthorized. Thus they have requested to take action in favor of the farmers so that justice is served to them.

**(B)Licensee's Response:** Service Connection Register has been thoroughly checked and nowhere the objector's name has been found. Assistant Engineer (Operations), Shankarpally has contacted the objector telephonically and information verification is being processed.

**(C)Commission's View:** The reply furnished by Discom is satisfactory. However, the Discom shall verify the records as stated and furnish the reply within one month

4.6.24. **(A)Change from paying category to free category:** Sri Kavali Bhikshapati stated that they belong to the SC category of farmers who had been sanctioned a 5 HP motor 20 years back whose category is not being changed from paying to free category even after submission of MRO certificate. They have paid Rs.20000 till now and are asked to pay Rs.30000 to Rs.45000 more and the starter boxes have been removed and taken away. Thus they have requested the Commission to change their category from paying to free category and also requested to return the already paid bill amounts.

**(B)Licensee's Response:** The records of the objector with service no. 420400418, Dt. 10.04.2006 were verified. The objector was billed for 625 units from Aug'09 to Sep' 13 and later changed from paying category to free category as he was not a tax payer. The amount paid till now is Rs.2300. Adjustments will be made based on bills & additional papers submitted by the objector.

**(C)Commission's View: The reply furnished by Discoms is satisfactory.**

4.6.25. **(A)Rectification of damaged wires:** Sri R.Gopal Reddy and others requested to rectify and repair the damaged wires in order to avoid electrical accidents.

**(B)Licensee's Response:** The electrical wires wherever damaged are being replaced with new wires.

**(C)Commission's View:** As directed in earlier paragraphs, The Discoms shall pay special attention in replacing the damaged wires in the entire area of supply of the Licensees and furnish month wise status report on number of locations identified and number of locations rectified during the month along with the balance pending. All the locations with damaged wires shall be attended and rectified by 30th September, 2015.

4.6.26. **(A)Suggestions regarding online registration of complaints:** Sri R.Gopal Reddy and others suggested that Discom offices at all levels should have the service of online complaint registration and furnish reply after the complaint is processed. A provision of SMS service may also be made available.

**(B)Licensee's Response:** Not furnished.

**(C)Commission's View :** The Commission directs the Licensee to examine the suggestion of the objector regarding online complaint registration system, allocating the complaint number, SMS to the concerned officer and

**developing tracking system for resolving the complaint until it is redressed and submit the report by 30th May, 2015.**

**4.6.27. (A) Suggestions regarding sanction of material for Agricultural connections:**

Shri Narayana Reddy and others stated that when agricultural connections are sanctioned, the details of material (poles) are to be given to the farmers in written form and signature be taken, in order to avoid misappropriation of material.

**(B) Licensee's Response:** Discom is having internal mechanism of inspection of the works i.e., quality control wing and vigilance wing to curb the misappropriation of materials if any done by field officers.

**(C) Commission's View:** Reply of the Licensee satisfactory.

**4.6.28. (A) Prior information before conduct of CGRF meetings:**

Shri Gajender and others stated that the DISCOMs are not informing the farmers about the CGRF meetings conducted at mandal level, pamphlets are not being circulated and the only medium of information is the newspaper on the day of the meeting. Thus they have requested to publish the meeting details along with agenda in the newspaper 4 to 5 days prior to the meeting.

**(B) Licensee's Response:** Suggestion will be examined.

**(C) Commission's View:** The Commission has directed the CGRF to intimate its visit programmes of Mandal level at least two months in advance. The Mandal level officer of Discom is directed to communicate the CGRF visit programme to the consumers in villages through elected village level public representative (Sarpanch), Village level Officer and any other mode of communication to have wide publication.

4.6.29. **(A)Deaths due to electrical accidents:** Some objectors stated that deaths due to electrical accidents are because of power supply at night, improper maintenance of T/F, lack of response from DISCOM officials, officials not visiting the location of deaths for investigation, improper laying and maintenance of conductors/poles and not adhering to quality standards.

They also stated that on 22.06.2013 P. Linga Reddy resident of Sai Reddy Guda, Moinabad met with an electrical accident and died for which a compensation of Rs.1,00,000 was given even though the respected CGRF has raised the ex-gratia amount to Rs.2,00,000. How far is this amount enough to compensate a farmer's life? They have suggested that proper compensation be paid. They also stated that the condition of the electrical wire being vulnerable was informed on 27.05.2013 and submitted a request letter in writing to the AE named Shabad. They enquired whether any action can be taken against the concerned officer in this regard and has requested to be informed if any action is taken from the Discom side.

**(B)Licensee's Response:** Supply of electricity during night is not the reason for threat to human life. Maintenance of electricity lines and transformers is being carried out. Officials at regional level have been instructed to respond and resolve farmer complaints immediately. Steps have been taken up to see the submission of report by A.D.E or D.E concerned. New earth wires to be provided to transformers where there is an earth wire problem. Steps are being taken for rectifications/replacements relating to earth wires, sagging conductor, and intermediate poles and to adhere to quality standards. An amount of Rs.1,00,000 was paid as compensation as per rules. There was no such complaint as per our records.

**(C)Commission's View:** The Commission directs the Licensee to submit the Detailed report on the complaint and action taken by 30th May, 2015.

4.6.30. **(A)Objections/Suggestions regarding reinstallation of DTR:** Sri Surender Reddy and others stated that an agricultural transformer was subjected to theft on 28.8.2014 in Pillimadugu village, Shankar pally mandal, Ranga Reddy district and the same was brought to the notice of officials concerned(AE,DE,SE) on several occasions. No action has been taken even after 5 months of theft. They have requested for an enquiry into the matter & pay compensation of Rs. 2,00,000 each to the four (4) farmers who incurred a loss of two crops.

**(B)Licensee's Response:** According to the records 2 transformers have been registered to be stolen from Chandippa & Sheriguda villages and new transformers were arranged whereas no such theft has been reported in Pilimadugu village.

**(C)Commission's View:** The Licensee shall conduct enquiry on the complaint of objector and furnish the report by 30th of May, 2015. The Licensee is advised while furnishing the information, relevant details such as date of incident occurred/ reported and date on which final action is taken shall be given. In this case the Licensee has reported that two numbers of DTRs are replaced in place of DTRs stolen away. But, the above details are not furnished without which the review is not possible.

4.6.31. **(A)Objections/Suggestions regarding provision of timers on Agricultural transformers:** Sri Devi Reddy and others stated that the applicants may be given serial nos. and services offered to them based on serial no. The families of middle aged farmers who have died due to electric shocks while replacing the fuse are facing lot of problems. The farmers are attempting to replace the fuses as there is no response from the DISCOM staff. They have suggested employing timers at transformers to monitor 7 hours of supply

**(B)Licensee's Response:** Supply to agro sector according to the prescribed schedule is provided through a three phase AB switch. Single phase power supply is being given from 6 pm to 6 am through single phase AB switch. There

will not be power supply in DTRs when single phase supply is given and hence timer is not required.

**(C)Commission's View:** Providing of timer at transformers to monitor 7 hours supply will not solve the problem on occurring accidents while replacing the fuses to transformers by farmers. The Discoms have stated that cell phone services are being provided to field staff in order to attend fuse off calls in rural areas. This will help the rural consumers to call the staff for replacing the fuses of DTRs. which will avoid occurrence of accident to farmers.

**The Discoms are directed to ensure that the field staff, to whom cell phone service (SIM card) are given, are attending to the fuse off calls within time, on the receipt of calls from farmer over phone. For ensuring the same, registering the time of call, and to confirm the action taken from the consumer is required. For achieving this, the Licensee may examine on usage of advanced IT solutions. The Licensee may examine other alternate approach to achieve the above objective such as creating a central monitoring team to ensure that the field staff is responding properly to the farmers' fuse off calls. The action taken in this regard shall be intimated within 2 months.**

4.6.32. **(A)Suggestions regarding privatization of distribution companies & provision of 7 hours of supply:** Shri K. Santosh Kumar and others stated that central government has future plan of privatizing the distribution companies wherein these companies will put obstacles to functioning of the government agencies. Thus they have suggested appointing a Director (NGO) having clean track record for Consumer Welfare Performance Improvement who shall improve efficiency of the companies and curb corruption.

**(B)Licensee's Response:**

**i) TSSPDCL Response:** Amendment to Electricity Act 2003 is under way. DISCOM has taken measures to reduce distribution losses and they have



considerably reduced from 27% to 12%. In order to improve customer service DISCOM has already set up 14 Integrated Customer Service Centers (ICSC), 63 Customer Service Centers (CSC) and as per the State Regulatory Norms i.e. SOP given by ERC.

**ii)TSNPDCL Response:** Issue of privatization of DISCOM's is not under Licensees jurisdiction.

**(C)Commission's View:** Appointment of Director in the Discoms, owned by Government, is not within the powers of the Commission and the issue of privatization of Discoms is also not under the powers of Commission.

4.6.33. **(A)Objections/Suggestions regarding Toll free no & Rythu Mitra Services:** Sri Lakshma Reddy and others enquired the statistics of no of complaints being registered with the Toll free number They requested that awareness has to be created in consumers about Toll free Nos. 1800 425 3600 & 1800 425 0028. They have enquired about the Toll free nos and Rythu Mithra Nos. They also enquired about the discontinuity of availability of Rythu Mitra vehicle and the problems being faced by the farmers. They requested that the services provided to farmers should be in force irrespective of the change in DISCOM officials. They have also requested that system of complaint registration on Toll free No should be user friendly and should have monitoring feasibility. They have also requested for SMS facility in this regard.

**(B)Licensee's Response:**

**i)TSSPDCL's Response:** In TSNPDCL, the reasons for implementation and now uprooting of toll free no service shall be examined and necessary action shall be taken.

**ii)TSNPDCL's Response:** Any consumer can register his complaint with the Toll free no 18004250028. Awareness about the Toll free no has been done earlier and it is also being printed on the electricity bills. From Nov'12 i.e. start of Toll free no service, 1, 50,304 complaints have been received and necessary services

have been provided by the DISCOM officials. In order to serve the complaints received, 1118 SIM cards were given to linemen and these nos. were given at the Gram Panchayat Centres which were also published in the local newspapers. Transformer replacements are carried out within 24 hours. A vehicle has been allocated at each sub-division and steps are being taken to allocate another vehicle to carry out services without delay.

**(C)Commission's View:** The reply of Discoms to certain extent i.e. creation of Toll Free No's and allocation of vehicle to each Subdivision, is satisfactory. If the requirement of consumer i.e. replacing the defective/failed DTR within the prescribed time is met, the name of vehicle (Rythu Mitra) will not be the criteria. The Discoms shall ensure that the transportation of failed transformers is done at the cost of Discoms. In case, vehicle provided to sub-division, for this purpose, is unable to meet the requirement, replacement of failed DTRs should be done by hiring a private vehicle.

4.6.34. **(A)Objections/Suggestions regarding losses:** Sri Muralidhar Reddy and others stated that the loss percentage given by DISCOMs for the year 2013 loss in Hyderabad south circle was 47.55%. They have stated that required measures would be taken to reduce the losses. The objector has enquired the present loss percentage, reduction in losses and future plan of action to reduce losses.

**(B)Licensee's Response:** During FY 2014-15, up to Dec'14 losses in Hyderabad South Circle have been recorded at 46.05%. DISCOM's have taken the following measures in order to reduce the losses: Keeping theft of power under control, proper categorization of services, replacement of mechanical meters with electronic meters and shifting of meters from inside to the outside the house premises, replacement of damaged meters, investigation of UDC/OSL services, Regularization of unauthorized connections and sealing of meters.

**Cases recorded and assessed by DPE:**

In order to reduce theft of power and losses in Hyderabad South Circle, intensive investigation is being carried out. From past few months number of cases registered and amount assessed in Hyderabad South Circle have been increased.

Sl. No	Period	Total No of cases registered	
		No.	Total Amt(Rs. Lakh)
1	Apr'10-Mar'11	5015	292.96
2	Apr'11-Mar'12	3968	232.61
3	Apr'12-Mar'13	8933	536.11
4	Apr'13-Jan'14	7947	493.57
5	Feb'14-Feb'15	11995	901.61

The no of cases registered this year are high when compared to no of cases registered in the past 5 years. The figures of no of cases registered and assessed amount for last year were 7947 & Rs. 494 Lakh whereas this year it is 11995 & Rs. 901 Lakh respectively. After Hon'ble High Court's Judgment, intensive investigation is being carried out. During the investigation carried out in 11 months by 741 teams in the Hyderabad South Circle, it has been found out that in 11995 cases out of 18035 services the assessed amount was Rs. 9.01 Crore. It was decided that this investigation shall be continued until the loss figure comes to a single digit. During this process malpractice cases were also registered. It is observed that malpractice cases are because of the huge difference between development charges in domestic and commercial categories. There are some malpractice cases where consumers take connections under domestic category and use it for commercial purposes. Subsequent to equalizing the development charges for both categories awareness is to be created among consumers which will lead to reduction in malpractice cases.

**(C)Commission's View:** The actions being taken by Discoms to reduce the commercial losses in old city of Hyderabad to certain extent are satisfactory. The losses in the old city of Hyderabad are still high.

4.6.35. **(A)Recruitment of linemen& helpers:** Sri B. Narsimha Reddy and others requested for filling the posts of linemen/helper immediately.

**(B)Licensee's Response:**

i) TSSPDCL: Recruitment of linemen/helper is being delayed as various cases are pending in the courts.

ii)TSNPDCL: Filling up of posts is done as per the Govt. Orders.

**(C)Commission's View:** The Discoms replies are satisfactory.

4.6.36. **(A)Objections/Suggestions regarding members of CGRFs:** Sri K.Murali Mohan Reddy and others stated that CGRF comprises of 1 consumer member & 3 DISCOM officials. On many occasions the orders issued by CGRF are going in favor of DISCOMs. Hence, in order to do justice to the consumers, it is requested that CGRF should comprise of one judicial member, one consumer representative and two DISCOM officials.

**(B)Licensee's Response:**

**TSSPDCL's Response:** The forum consists of 4 members; 1 Chairman and 3 members. Licensee appoints Forum Chairman and 2 members and Commission appoints an independent member.

**(C)Commission's View:** The present system of filling of posts of CGRF is as per the existing regulation. However, the suggestion shall be examined.

4.6.37. **(A)Electricity conservation & reducing electricity demand:** Sri N. Venugopal Reddy and others enquired on measures taken for electricity conservation and reducing electricity demand.

**Licensee's Response:**

i) TSNPDCL's Response: Electricity conservation slogans are printed on electricity bills. Awareness is created by conducting sub-station committee

meetings, enlightenment programs for farmers, distribution of pamphlets etc. Demand increases based on increasing electricity needs.

**ii) TSSPDCL's Response:** Under TSSPDCL's jurisdiction, "Bachat Lamp Yojana" scheme in coordination with Bureau of Energy Efficiency (BEE) has been launched where the work of replacement of incandescent bulbs with CFL bulbs was entrusted to M/s C-Quest Capital Green Ventures. 6.5 lakhs bulbs have been distributed to households in 6 operational divisions. Demand increases based on increasing electricity needs.

**(C)Commission's View:** In addition to action taken on conservation of energy, the Discoms shall arrange vide publication in rural areas, especially agricultural consumers to install LT Capacitors of required rating by the farmer. Discoms may also examine the possibility of providing some incentive mechanism on energy saving, to farmers those who maintain overall PF of 0.90, recorded on the meter, in consultation with farmers welfare organizations.

4.6.38. **(A)Objections/Suggestions regarding individual feeders and fixation of meters:** Sri N. Venugopal Reddy and others stated that individual feeders be provided. They also suggested for fixing meters for everyone. They also suggested for improvement in performance and removal of subsidy amount.

**(B)Licensee's Response:** Provision of separate agricultural feeders involves huge expenditure. Even then DISCOM is exploring the possibility of providing separate lines to segregate Agricultural Feeders. The illegal connections are being regularized through intensive inspection by the DPE. Necessary measures are being taken up to improve operational services.

**(C)Commission's View:** Discoms reply on installation of separate agricultural feeders & improvement in performance is satisfactory. Regarding fixing of meters, meters are provided to all categories of services except LT-V Agricultural category. This requires considerable time. In place recording

energy of individual consumers, the Commission has specified a methodology (ISI Methodology) to estimate the LT-V Agricultural category consumption based on data collected from selected sample DTRs, to these sample DTRs meters are provided on LV side of DTRs. Regarding, removal of subsidy amount, the state Government is granting required subsidy amount under Section 65 of Electricity Act, 2003 for certain categories of consumers to meet the full cost of service for these categories.

**4.6.39. (A)Objections/Suggestions regarding 24 hours quality supply of power and removal of free power supply:** Sri N. Venugopal Reddy and others requested for 24 hours of quality supply of electricity also suggested to discontinue free supply of power.

**(B)Licensee's Response:**

**i)TSNPDCL's View:** Due to gap between supply and demand, power supplies to agricultural consumers is given for 6-7 hours in two slots, one slot during day time.

**ii)TSSPDCL's View:** Based on the availability of power, supply is given for 6-7 hours. In the coming months 600 MW from KTPP, 600 MW from Singareni, 300-400 from solar power is expected. 7 hours of supply will be given as soon as this power is available.

**(C)Commission's View:** The Discom's reply is satisfactory.

#### **4.7. STATEMENT OF GOVT OF TELANGANA DURING PUBLIC HEARINGS**

4.7.1. The submissions made by the representative of Govt. of Telangana during the public hearings are summarized below:

- The transmission and distribution utilities have reduced T&D losses from 18.38% in FY 2013-14 to 17.02% in FY 2014-15 (up to September 2014). The per capita consumption at the end of Jan 2015 is 1134 units.
- During FY 2013-14, 5.04 Lakh consumers were added to bring the total number of consumers in the State to 1.11 Crore as on 31-03-2013. During the current year up to the end of Jan 2015, a total no. of 9.89 lakh consumers were added to the network bringing the no. of consumers served by TSDISCOMs to 1.20 Crore.
- During FY 2013-14, 60,100 No. of agricultural connections were released and this year 57191 nos. agricultural connections were released to the end of Jan 2015. The total agriculture connections are around 19.76 lakh. TSDISCOMs are implementing HVDS to agriculture consumers to give better quality power by reducing the length of conventional LT lines.
- TSDISCOMs have been directed to ensure that failed DTRs are replaced within 48 hours in rural areas by maintaining adequate Rolling stock of transformers.
- TSDISCOMs have already completed pilot projects in all Districts to segregate mixed rural feeders into dedicated agriculture feeders and rural feeders in one mandal in each district. This will facilitate rural feeders to provide continuous three phase power supply to rural areas which will in turn promote rural industrialization and increase in non-farm income sources in rural area.
- TSDISCOMs have signed PPAs for Solar power for 515 MW in 34 projects with a weighted average lowest levelized tariff of Rs. 6.722/Unit for 25 years. TSDISCOMs would set Project Monitoring Unit to ensure 100% commissioning as per the terms of PPA.

- Towards achieving the target of making Telangana a solar hub, TSDISCOMs have been directed to procure another 1000 MW of Solar power through competitive bidding route.
- Case-I bidding process has been initiated by TSDISCOMs for procurement of 2000 MW of power as per Government of India guidelines with the approval of the Hon'ble Commission.
- Government is also facilitating TSGENCO to increase their production capacity.
- Detailed Project Report is being prepared for implementation of "Power For All" (PFA) program of Government of India. The program will be implemented by Government of Telangana with active support from Government of India. The objective of the above program is to supply 24x7 quality reliable and affordable power to all Domestic, Commercial and Industrial consumers by March 2017.
- The Government is committed to the welfare of the farmers and will provide free power to all eligible agriculture consumers. Government has earmarked subsidy of Rs.3000 Crore for TSDISCOMs during FY 2014-15.
- The Government is committed to the cause of industrial development in the State and it is a matter of pride that the State of Telangana has amongst the lowest HT Industrial Tariffs in the country.
- The State utilities have planned to invest an amount of Rs. 3324 Crore in the FY 2015-16 to strengthen the Transmission and Distribution systems to meet the additional load growth and to improve voltage profiles.
- The Government is committed to provide necessary financial assistance to power sector and subsidy to the utilities in accordance with the provisions



of Section 65 of the Electricity Act, 2003. This would enable the Government to meet its objective of ensuring quality power supply to all consumers and also in extending necessary assistance to BPL families and farm sector.”

#### **4.8. CONSULTATION WITH GOTS FOR SUBSIDY**

4.8.1. The Commission addressed a letter to Govt. of Telangana State vide Letter No. TSERC/Secy/EAS/2015 dated 23.03.2015 informing that the Commission after examining the projected sales, the percentage of losses in the system, the availability of power, the cost of power purchases, the proposed tariffs, the extent of cross subsidy existing in the proposed tariffs and the objections and suggestions received from the consumers and general public, had determined the Revenue Requirement for FY 2015-16 at Rs. 23480.16 Crore., as against an amount of Rs 26473.76 Crore filed by both the DISCOMS.

4.8.2. In this letter the GoTS was informed that the Commission had prepared a Full Cost Recovery Tariff Schedule (FCRTS) (Table 8) to enable recovery of determined revenue requirement. The Government was informed that, the Commission had prepared a Retail Supply Tariff Schedule for FY 2015-16 by taking note of the amount of Rs. 4227.24 Crore as subsidy u/s 65 of the Electricity Act, 2003 for the tariff proposals of the DISCOMS.

4.8.3. In response to the Commission's letter TSERC/Secy/EAS/2014 dated 23-03-2015, the Secretary to Government, Energy Department, Government of Telangana, vide Letter No. 399/Budget/2015 dated 26.03.2015 informed that "Government of Telangana have noted the retail sale tariffs proposed by the Hon'ble Commission for FY 2015-16 for the distribution companies in the state. While confirming its commitment to provide subsidy amount in accordance with Section 65 of the Electricity Act, 2003 in the manner specified by the Commission", in its letter for the tariff proposal of DISCOMS submitted for Financial Year 2015-16. GoTS in its letter also mentioned that GoTS will provide an additional subsidy of Rs 30 Crore towards reduction in tariff for Poultry Farms. Commission should maintain uniform retail supply tariff for all categories of consumer across both the DISCOMs of the State for FY 2015-16.

## CHAPTER-5

### 5. AGGREGATE REVENUE REQUIREMENT (ARR) AND COST OF SERVICE (COS)

5.1.1. In this chapter, the Commission analyzed all the components of the Aggregate Revenue Requirement (ARR) of both the Licensees, in the light of the objections /suggestions raised by various stakeholders in writing and oral submissions made during public hearing and also suggestions made in the State Advisory Committee (SAC) meeting, approved the ARR for FY 2015-16. Before analyzing the ARR, the Commission examined the category wise sales filed by Discoms and arrived at the category wise sales for FY 2015-16 in order to project the energy input requirement and in turn to arrive at the Power Purchase Cost. This Power Purchase Cost constitutes about 70% to 80% of the total ARR.

#### 5.1. CATEGORY WISE SALES AND ENERGY INPUT REQUIREMENT

##### 5.1.1. Metered Sales

5.1.1.1. Metered Sales (other than HT-IV Irrigation & CPWS): The Commission examined the forecasted sales for different consumer categories excluding the Agriculture category for FY 2015-16. The Commission also examined the CAGR (Compounded Annual Growth Rate) of last 5 years and the impact of R&C measures in previous year sales and decided to accept the sales projected by the DISCOMs except for LT-V Agriculture, HT-IV Irrigation & CPWS, HT-V Railway Traction and HT-III Airports, Bus stations, Railway stations. As regards additional load likely to be added for Categories like, HT-III (Airports, Bus stations and Railway stations) and HT-V (Railway Traction), the Commission asked the Licensees to submit the current status of work in progress of Hyderabad Metro Rail works (Traction and Stations ) and Other Railway projects. Based on the actual progress of such works, the Commission is of the view that the entire additional loads projected by the Licensees may not materialize during FY 2015-16. Hence, the Commission re-assessed the sales for these categories.

5.1.1.2. **Metered Sales of HT-IV Irrigation & CPWS:** The sales projected under this category by the Discoms are on much high side. The Commission observed that the sales volume approved in the previous years for this category based on the projection made by the Discoms are not realised. The sales pertaining to Government Lift irrigation category, relies mostly on materialization of lift irrigation schemes (LIS) in progress. The Commission after ascertaining the actual status of LIS in progress modified the sales projected by the Discom, duly considering the actual sales and progress of these schemes. The Commission fixed the sales volume to this category at 551 MU for TSSPDCL and 425 MU for TSNPDCL for FY 2015-16 amounting to a quantum 976 MU to both the Licensees for FY 2015-16.

5.1.2. **Sales to Un-Metered Category (LT- V -Agriculture)**

The Commission examined the sales to LT- V Category: Irrigation and Agriculture and found that these are on much higher side compared to the approved sales for FY 2013-14. The Commission while arriving the agriculture sales for FY 2015-16, considered valid DTR meter readings in ISI methodology, number of agriculture connections likely to be released in FY 2015-16, number of services existing and its connected load on the record of DISCOMs. Based on these factors, the Commission estimated the sales to LT V: Irrigation and Agriculture at 6318 MU for TSSPDCL and 4340 MU for TSNPDCL for FY 2015-16 amounting to a quantum of 10658 MU for both the Licensees. The category wise and month wise sales approved by the Commission for FY 2015-16 are as given in the Table below:

**Table 5.1-1: Category wise and month wise sales approved for FY 2015-16**

Sales / Forecast Sales (MU)	TSSPDCL	TSNPDCL
<b>LT Category</b>	<b>16648.35</b>	<b>8332.62</b>
Category I (A&B) - Domestic	6654.96	2780.32
Category II (A,B& C) - Non-domestic/Commercial	2009.79	577.85

Sales / Forecast Sales (MU)	TSSPDCL	TSNPDCL
Category III (A & B) - Industrial	808.81	280.83
Category IV (A,B&C) - Cottage Industries & Dhobighats	9.19	6.92
Category V (A, B & C) - Irrigation and Agriculture	6318.00	4340.01
Category VI (A & B) - Local Bodies, St. Lighting & PWS	790.72	310.22
Category VII (A & B) - General Purpose	56.11	36.47
Category VIII (A & B) - Temporary Supply	0.77	0.00
<b>HT Category at 11 KV</b>	<b>4464.75</b>	<b>1447.98</b>
HT-I Industry Segregated	3036.43	564.24
HT-I (B) Ferro-Alloys	0.00	0.00
HT-II - Others	1233.61	100.40
HT-III Airports, Railway and Bus stations	4.81	8.63
HT -IV A Private Irrigation & Agriculture	32.92	31.02
HT- IV B - CP Water Supply Schemes	36.10	12.95
HT-VI Townships and Residential Colonies	80.66	17.32
HT-VII - Green Power	0.00	0.00
HT -VIII - Temporary Supply	40.22	0.00
HT - RESCOs	0.00	713.42
<b>HT Category at 33 KV</b>	<b>5838.89</b>	<b>297.97</b>
HT-I Industry Segregated	5071.48	173.49
HT-I (B) Ferro-Alloys	108.31	47.03
HT-II - Others	599.35	9.74
HT-III Airports, Railway and Bus stations	0.00	0.00
HT -IV A Private Irrigation & Agriculture	15.60	28.54
HT- IV B - CP Water Supply Schemes	3.33	0.00

<b>Sales / Forecast Sales (MU)</b>	<b>TSSPDCL</b>	<b>TSNPDCL</b>
HT-VI Townships and Residential Colonies	40.83	39.17
HT-VII - Green Power	0.00	0.00
HT -VIII - Temporary Supply	0.00	0.00
HT - RESCOs	0.00	0.00
<b>HT Category at 132 KV</b>	<b>3067.46</b>	<b>1504.04</b>
HT-I Industry Segregated	2160.55	585.96
HT-I (B) Ferro-Alloys	106.90	0.00
HT-II - Others	72.63	1.74
HT-III Airports, Railway and Bus stations	63.95	0.00
HT -IV A Private Irrigation & Agriculture	463.00	352.58
HT- IV B - CP Water Supply Schemes	0.00	0.00
HT-V Railway Traction	200.42	470.83
HT-VI Townships and Residential Colonies	0.00	92.93
HT-VII - Green Power	0.00	0.00
HT -VIII - Temporary Supply	0.00	0.00
HT - RESCOs	0.00	0.00
<b>Total</b>	<b>30019.45</b>	<b>11582.61</b>

### 5.1.3. Voltage wise losses adopted

To arrive at the Power purchase quantum, the voltage wise losses were used for grossing up of approved sales at different voltages.

5.1.3.1. **Distribution losses:** The Commission considered the voltage wise loss trajectory approved in the Distribution & Wheeling Tariff Order for the third control period (i.e. , from FY 2014-15 to FY 2018-19) and adopted the voltage wise losses approved for the FY 2015-16 in the said control period as given in the Table below:

**Table 5.1-2: Voltage wise losses adopted**

Particulars	TSSPDCL	TSNPDCL
LT	6.50%	6.00%
11 kV	5.00%	4.25%
33 kV	3.99%	4.00%

5.1.3.2. **Transmission Losses:** The Commission considered the Transmission loss trajectory approved in the Transmission Tariff Order for the third control period (i.e., from FY 2014-15 to FY 2018-19) and adopted the transmission losses of 4.02 % approved for FY 2015-16 in the said control period.

### 5.1.4. Energy Requirement

5.1.4.1. The energy requirement for each Licensee was computed by grossing up the approved sales at a particular voltage with the approved percentage loss for that voltage level to arrive at the energy input for the next higher voltage level of Distribution network. Thereafter, the TSTRANSCO losses of 4.02% were used for arriving at the energy requirement at the state periphery.

5.1.4.2. The sales and energy requirement approved by the Commission for FY 2015-16 are as given in the Table below:

**Table 5.1-3: Sales and energy requirement at State periphery approved for FY 2015-16**

<b>Licensee</b>	<b>Sales (MU)</b>	<b>Energy requirement at State periphery (MU)</b>
TSSPDCL	30019.45	34971.69
TSNPDCL	11582.61	13579.27
<b>Total</b>	<b>41602.05</b>	<b>48550.97</b>

## **5.2. POWER PURCHASE QUANTUM AND COSTS**

### **5.2.1. Source wise Energy Availability**

5.2.1.1. The Commission projected the energy availability from various sources for FY 2015-16 based on the methodology described below:

5.2.1.2. **TSGENCO & APGENCO:** Energy availability from Thermal power stations was projected based on the station wise monthly generation plan and maintenance schedules for FY 2015-16, furnished by TSGENCO & APGENCO. The energy availability from the new GENCO Thermal plants viz. Damodaram Sanjeevaiah Thermal Power Plant and Kakatiya Thermal Power Plant Stage II was considered based on the anticipated COD of respective station as proposed by the Licensees. The Commission considered the allocation to Telangana State as 53.89% of the total energy available from these stations as per G.O. Ms No. 20 of 2014.

5.2.1.3. **Hydro Energy:** The Energy available from existing Hydro generating stations was considered based on the Design Energy for the respective stations. Regarding new Hydel station- Lower Jurala, the energy availability based on the expected C.O.D was considered. The share of Telangana was considered as 53.89% of the total station wise energy availability.



- 5.2.1.4. **Central Generating Stations:** The energy availability from Central Generating Stations of NTPC and NLC, both existing and new, was considered based on the actual PLF for the year FY 2013-14. Regarding new Central Generating Stations, the availability of energy was considered as proposed by the Licensee. The energy availability from NPC was considered as proposed by the Licensees. The share for Telangana state was considered as 53.89% of the total allocation to erstwhile AP. Thereafter the PGCIL loss level of 3.44%, which is the average actual loss level for the preceding 1 year, was considered for projecting the energy available at the State periphery.
- 5.2.1.5. **APGPCL:** The energy availability from APGPCL Stage-I and Stage-II was considered as proposed by the Licensees.
- 5.2.1.6. **IPPs:** The energy availability of the following generating stations was considered as follows:
- a) GVK Station- The PPA period is going to expire by June, 2015 and availability has been considered upto that period only.
  - b) Lanco Kondapalli Station- The PPA period is going to expire by December, 2015 and availability was considered up to that period only.
  - c) The availability from Spectrum and Reliance (BSES) was considered as proposed by the Licensees as per the terms of the PPA.
  - d) Vemagiri, GVK extension, Konaseema and Gauthami stations: Due to non-availability of natural gas, no availability was projected.
- 5.2.1.7. **Non- Conventional Energy:** The energy availability from non-conventional energy sources was filed as 1803 MU including 707MU from solar energy. The Licensees indicated the solar energy as 707 MU in the write-up whereas the same was shown as 1030.49 MU in the annexure. The Commission considered the figures given in the write up of the filings i.e. 1803 MU.

- 5.2.1.8. **Long/Medium Term Power Purchases:** The energy availability from Thermal Power Tech and KSK Mahanadi long/ medium term PPAs was considered as proposed by the Licensees. No Power is expected from Corporate Power Ltd.
- 5.2.1.9. **HNPCL:** The energy share of Telangana from M/s HNPCL was considered in the proportion of 53.89% of the total energy availability based on the anticipated COD of the station.
- 5.2.1.10. **Bilateral/Short Term Purchases:** Based on the month wise energy requirement and energy availability, there is no requirement of energy from bilateral/short term purchases.
- 5.2.1.11. Based on the above, the total energy availability works out to 54576.66 MU as against the energy requirement of 48550.97 MU at the state periphery.

## 5.2.2. **Monthly Merit Order Dispatch at State level**

- 5.2.2.1. The monthly availability of energy from different thermal Power stations along with variable costs as estimated by the Commission was used for monthly merit order dispatch for FY 2015-16. In the merit order dispatch, the monthly energy availability from each generating station was stacked up in ascending order of variable cost and dispatch of the stations were made, after dispatch of must run stations like Renewable source of energy, hydel stations and Nuclear Power Stations (NPC) to meet requirements of both the Licensees. Accordingly, the merit order dispatch is drawn in such a manner that the cost of power procurement at State level is minimized to the extent possible with reference to monthly information on availability and requirement.

## 5.2.3. **Cost of Energy at State Level**

- 5.2.3.1. **TSGENCO & APGENCO:** The Energy Charge (variable cost) for TSGENCO & APGENCO Stations were considered based on the actual Energy Charge for the period from April to December, 2014. For new generating Stations, the Energy Charge was considered based on the proportion of imported coal and domestic coal usage in the respective generating stations. The fixed charge for TSGENCO & APGENCO Stations was estimated after vetting the fixed charges proposed by the Licensees. These fixed charges are provisional only, since the Generation tariffs for the third control period are yet to be determined. After determination of station wise generation tariffs, variations, in cost if any, found with reference to provisional tariffs now considered, will be adjusted in subsequent year's tariff order.
- 5.2.3.2. **Hydro Energy:** The fixed charge for TSGENCO & APGENCO hydel Stations was estimated after vetting the fixed cost proposed by the Licensees. These fixed charges are provisional only, since the Generation tariffs for the third control period are yet to be determined. After determination of station wise generation tariffs, variations in cost, if any, found with reference to provisional tariffs now considered will be adjusted in subsequent year's tariff order.
- 5.2.3.3. **Central Generating Stations:** The Energy Charge for Central Generating Stations was considered based on the actual Energy Charge for the period April to December, 2014. The fixed charges for Central Generating Stations was considered based on the annual fixed charges approved by the Central Electricity Regulatory Commission for FY 2013-14. For new Stations, the Energy Charges and Fixed Charges have been considered based on Licensees' proposals
- 5.2.3.4. **APGPCL:** The Energy Charge and Fixed Charges for APTCL was considered after prudent check on the proposal of the Licensees.

- 5.2.3.5. **IPPs:** The Energy Charge and Fixed Charges for the existing gas based IPPs were considered after prudent check of such changes in the proposal of the Licensees.
- 5.2.3.6. **Non-Conventional Energy:** The Power Purchase Cost (PP cost) of the non-conventional energy generating stations was considered as proposed by the Licensees
- 5.2.3.7. **Long / Medium Term Power Purchases:** The Tariffs obtained through the competitive bidding were considered for long term and medium term power purchases.
- 5.2.3.8. **HNPCL:** The Energy Charge and Fixed Charges for HNPCL were considered same as those proposed by the Licensees since the tariff for this station has not been determined.

#### 5.2.4. **Discom wise allocation of energy and cost**

- 5.2.4.1. The Commission considered the share of SPDCL as 70.55% and NPDCL as 29.45% of the total energy dispatched at the State level. Based on the energy dispatched at the State level as per merit order despatch and the corresponding variable charge and fixed charges for the respective stations, the Commission worked out the power purchase cost of SPDCL as Rs. 13299.27 Cr and that of NPDCL as Rs. 5551.62 Cr.

#### 5.2.5. **Discom to Discom (D-to-D) Energy Transfer and D-to-D Cost Adjustment**

5.2.5.1. Since the power from the generating stations is dispatched on the basis of central dispatch for the entire State i.e., State Load Despatch Centre (SLDC), often the energy share of one Licensee happens to be utilized by another Licensee (DISCOM-to-DISCOM energy transfers). In the merit order process, the station wise energy of one Licensee is transferred to other Licensee. The price adopted in arriving at power purchase cost settlement of each station, is the sum of fixed cost per unit and variable cost per unit of that station.

5.2.5.2. In line with the above approach, the D-to-D Energy Transfer from NPDCL to SPDCL for FY 2015-16 works out to 653.25 MU and the corresponding power purchase cost works out to Rs. 242.65 Cr.

#### **5.2.6. RPPO Obligations**

5.2.6.1. Since Telangana is a new state, the Commission opined to review the RPPO obligation Regulations in force after examining the availability of Renewable energy sources. Hence, the Commission has not provided any amount to meet the cost of energy towards RPPO obligations.

#### **5.2.7. Net Power Purchase Cost after D-to-D Transfer of energy**

5.2.7.1. The net power purchase cost Discom wise after D-to-D transfer of energy works out to the amounts as given below:

- a. TSSPDCL - Rs. 13542.02 Cr
- b. TSNPDCL - Rs. 5308.96 Cr
- c. Total for both the Discoms - Rs. 18850.99 Cr

#### **5.2.8. Summary of Discom wise power purchase cost**

5.2.8.1. Based on the above, the power purchase cost for FY 2015-16 is as given in the Tables below:

**Table 5.2-1: Power Purchase Cost approved for FY 2015-16 for both the Discoms**

Generating Station	Power Purchase	Fixed Cost	Variable Cost	Total	Avg. Cost
	MU	Rs. Cr	Rs. Cr	Rs. Cr	Rs./kWh
<b>TSGENCO &amp; APGENCO Total</b>	<b>25147.92</b>	<b>4188.42</b>	<b>5930.62</b>	<b>10119.04</b>	<b>4.02</b>
THERMAL	21110.28	3442.68	5930.62	9373.30	4.44
HYDRO	4037.64	745.74	0.00	745.74	1.85
<b>Total CGS</b>	<b>12881.12</b>	<b>1272.89</b>	<b>3119.83</b>	<b>4392.72</b>	<b>3.41</b>
NTPC - (SR)	2742.69	183.85	677.62	861.47	3.14
NTPC - (ER)	1371.46	113.27	189.26	302.53	2.21
NTPC-Simhadri	5375.22	669.07	1395.66	2064.73	3.84
NLC	941.74	55.40	210.49	265.90	2.82
NPC	996.37	0.00	296.26	296.26	2.97
New-CGS	1453.64	251.30	350.54	601.83	4.14
APGPCL	91.88	6.35	24.61	30.96	3.37
IPPS	1412.86	154.49	383.37	537.86	3.81
NCE	1802.86	0.00	970.09	970.09	5.38
OTHERS	7214.33	1232.31	1568.00	2800.32	3.88
<b>Total</b>	<b>48550.97</b>	<b>6854.47</b>	<b>11996.52</b>	<b>18850.99</b>	<b>3.88</b>

**Table 5.2-2: Power Purchase Cost approved for FY 2015-16 for TSSPDCL**

Generating Station	Power Purchase	Fixed Cost	Variable Cost	Total	Avg. Cost
	MU	Rs. Cr	Rs. Cr	Rs. Cr	Rs./kWh
<b>TSGENCO &amp; APGENCO Total</b>	<b>17741.85</b>	<b>2954.93</b>	<b>4184.05</b>	<b>7138.98</b>	<b>4.02</b>
THERMAL	14893.30	2428.81	4184.05	6612.86	4.44
HYDRO	2848.55	526.12	0.00	526.12	1.85
<b>Total CGS</b>	<b>9087.63</b>	<b>898.02</b>	<b>2201.04</b>	<b>3099.06</b>	<b>3.41</b>
NTPC - (SR)	1934.97	129.70	478.06	607.77	3.14
NTPC - (ER)	967.57	79.91	133.52	213.43	2.21
NTPC-Simhadri	3792.22	472.03	984.64	1456.67	3.84
NLC	664.40	39.09	148.50	187.59	2.82
NPC	702.94	0.00	209.01	209.01	2.97
New-CGS	1025.54	177.29	247.30	424.59	4.14
APGPCL	64.82	4.48	17.36	21.84	3.37
IPPS	996.77	109.00	270.47	379.46	3.81

Generating Station	Power Purchase	Fixed Cost	Variable Cost	Total	Avg. Cost
	MU	Rs. Cr	Rs. Cr	Rs. Cr	Rs./kWh
NCE	1271.91	0.00	684.40	684.40	5.38
OTHERS	5089.71	869.40	1106.22	1975.62	3.88
<b>Total</b>	<b>34252.71</b>	<b>4835.83</b>	<b>8463.55</b>	<b>13299.37</b>	<b>3.88</b>
D-to-D (Pool) Purchase	653.25	0.00	242.65	242.65	
<b>Grand Total</b>	<b>34905.96</b>	<b>4835.83</b>	<b>8706.20</b>	<b>13542.02</b>	<b>3.88</b>

**Table 5.2-3: Power Purchase Cost approved for FY 2015-16 for TSNPDCL**

Generating Station	Power Purchase	Fixed Cost	Variable Cost	Total	Avg. Cost
	MU	Rs. Cr	Rs. Cr	Rs. Cr	Rs./kWh
<b>TSGENCO &amp; APGENCO Total</b>	<b>7406.06</b>	<b>1233.49</b>	<b>1746.57</b>	<b>2980.06</b>	<b>4.02</b>
THERMAL	6216.98	1013.87	1746.57	2760.44	4.44
HYDRO	1189.08	219.62	0.00	219.62	1.85
<b>Total CGS</b>	<b>3793.49</b>	<b>374.87</b>	<b>918.79</b>	<b>1293.66</b>	<b>3.41</b>
NTPC - (SR)	807.72	54.14	199.56	253.70	3.14
NTPC - (ER)	403.90	33.36	55.74	89.09	2.21
NTPC-Simhadri	1583.00	197.04	411.02	608.06	3.84
NLC	277.34	16.32	61.99	78.31	2.82
NPC	293.43	0.00	87.25	87.25	2.97
New-CGS	428.10	74.01	103.23	177.24	4.14
APGPCL	27.06	1.87	7.25	9.12	3.37
IPPS	416.09	45.50	112.90	158.40	3.81
NCE	530.94	0.00	285.69	285.69	5.38
OTHERS	2124.62	362.92	461.78	824.69	3.88
<b>Total</b>	<b>14298.26</b>	<b>2018.64</b>	<b>3532.98</b>	<b>5551.62</b>	<b>3.88</b>
D-to-D (Pool) Sales	653.25	0.00	242.65	242.65	
<b>Grand Total</b>	<b>13645.01</b>	<b>2018.64</b>	<b>3290.32</b>	<b>5308.96</b>	<b>3.89</b>

#### 5.2.9. Transmission Cost

5.2.9.1. The Licensee (TSSPDCL) proposed the Transmission Cost for FY 2015-16 based on the Transmission Cost approved for APCPDCL by the erstwhile APERC for the MYT Control Period FY 2014-15 to FY 2018-19, duly segregating the transmission cost pertaining to Anantapur and Kurnool Districts. The Commission determined the same after vetting the Transmission Cost of Rs. 820.55 Cr for FY 2015-16 based on the filings of Discom.

5.2.9.2. Similarly, TSNPDCL proposed the Transmission Cost for FY 2015-16 based on the Transmission Cost approved for APNPDCL by the erstwhile APERC for the MYT Control Period FY 2014-15 to FY 2018-19, duly segregating the transmission cost pertaining to 7 Mandals in Khammam District. The Commission determined the same after vetting the Transmission Cost of Rs. 341.26 Cr for FY 2015-16 based on the filings of Discom.

#### **5.2.10. Distribution (Network) Cost**

5.2.10.1. This Commission determined, the Discom wise, Distribution Business ARR and Wheeling Tariff year wise for the third Control Period FY 2014-15 to FY 2018-19 and notified the same on 27<sup>th</sup> March, 2015. The Commission adopted the Discom wise Distribution Cost for FY 2015-16 from the said Order, as indicated below:

- a. TSSPDCL – Rs. 1830.64 Cr
- b. TSNPDCL – Rs. 1203.16 Cr
- c. Total for both the Discoms – Rs. 3033.80 Cr

#### **5.2.11. SLDC CHARGES**

5.2.11.1. The Licensee (TSSPDCL) proposed the SLDC Charges for FY 2015-16 based on the SLDC Charges approved for APCPDCL by the erstwhile APERC for the MYT Control Period FY 2014-15 to FY 2018-19, duly segregating the SLDC Charges pertaining to Anantapur and Kurnool Districts. The Commission determined the same after vetting the SLDC Charges of Rs. 26.41 Cr for FY 2015-16 based on the filings of Discom.



5.2.11.2. Similarly TSNPDCL proposed the SLDC Charges for FY 2015-16 based on the SLDC Charges approved for APNPDCL by the erstwhile APERC for the MYT Control Period FY 2014-15 to FY 2018-19, duly segregating the SLDC Charges pertaining to 7 Mandals in Khammam District. The Commission determined the same after vetting the SLDC Charges of Rs. 10.98 Cr for FY 2015-16 based on the filings of Discom.

**5.2.12. PGCIL and POSOCO/ULD Charges (for energy drawn from CGS and other inter-state sources)**

5.2.12.1. The Commission considered the PGCIL and POSOCO/ULD charges for FY 2015-16 as proposed by the Licensees which are indicated below:

**Table 5.2-4: PGCIL and POSOCO charges approved (Rs. Cr)**

Particulars	TSSPDCL	TSNPDCL	Total for both the Discoms
PGCIL Charges	257.62	104.84	362.46
POSOCO/ULDC charges	16.44	6.69	23.13

**5.2.13. Interest on Consumer Security Deposit (ICD)**

5.2.13.1. The interest on consumer security deposit was computed for FY 2015-16, at the rate of interest as specified in Regulations, on the total amount i.e., opening balance of consumer security deposits in the beginning of the year and additional security deposit anticipated on additional sales during FY 2015-16. The Discom wise ICD arrived at is indicated below:

**Table 5.2-5: Interest on consumer security deposit approved (Rs. Cr)**

Particulars	TSSPDCL	TSNPDCL	Total for both the Discoms
Interest on Consumer Security Deposit	205.82	51.88	257.7

#### 5.2.14. Effect of True ups

5.2.14.1. The Commission in Chapter 3 carried out the final true up of power purchase cost for FY 2013-14 and provisional true up of power purchase cost for FY 2014-15. The net effect of the same was considered to be adjusted or recovered in the ARR for FY 2015-16. The amount due to such true up is indicated below:

**Table 5.2-6: True up of power purchase cost for FY 2013-14 and FY 2014-15 (Rs. Cr)**

Particulars	TSSPDCL	TSNPDCL	Total
True up of power purchase cost for FY 2013-14 and FY 2014-15	-398.44	134.56	-263.88

#### 5.2.15. Non-Tariff Income

5.2.15.1. The Commission considered the non-tariff income for retail supply business for FY 2015-16 as proposed by the Licensees.

**Table 5.2-7: Non-Tariff Income approved (Rs. Cr)**

Particulars	TSSPDCL	TSNPDCL	Total
Non-Tariff Income	35.01	28.68	63.69

#### 5.2.16. Summary of Discom wise ARR approved

5.2.16.1. The summary of Discom wise ARR for FY 2015-16 as approved by the Commission is given in the Table below:

**Table 5.2-8: Discom wise ARR approved for FY 2015-16 (Rs. Cr)**

Particulars	TSSPDCL	TSNPDCL
Distribution Cost	1830.64	1203.16
Power Purchase cost	13542.02	5308.96
Transmission cost	820.55	341.26
SLDC Charges	26.41	10.98

PGCIL Charges	257.62	104.84
ULDC Charges	16.44	6.69
Interest on Consumer Security Deposit	205.82	51.88
Supply Margin	8.61	8.14
True up of power purchase cost for FY 2013-14 and FY 2014-15	-398.44	134.56
<b>Aggregate Revenue Requirement</b>	<b>16309.67</b>	<b>7170.48</b>

### 5.3. CATEGORY WISE ALLOCATION OF COSTS AND COST OF SERVICE

- 5.3.1.1. Based on the licensee-wise Aggregate Revenue Requirement (ARR) determined above and in the light of the objections / suggestions concerning to Cost of Service, the Commission allocated the various elements (costs) of ARR to various consumer categories and determined the Cost of Service (COS) for different consumer categories for FY 2015-16.
- 5.3.1.2. The Commission computed the Cost of Service for each licensee for different categories of consumers for FY 2015-16 based on embedded cost method. In this method, the entire ARR (Cost) for FY 2015-16 is allocated among consumer categories based on class load factor of each category, non-coincident demand of each category, category wise co-incident factor to peak demand, voltage wise assets, voltage wise losses (commercial and technical), and category wise sales approved and category wise connected load/contract demand.
- 5.3.1.3. The COS thus computed differs from one consumer category to other on account of factors mentioned in the above Paragraph.

5.3.1.4. The cost of service worked out for each consumer category was used for the purpose of observing the cost and cross subsidy amount to make decisions on tariff setting for different consumer categories in order to determine the tariff to recover the approved ARR for FY 2015-16 in respect of each Licensee. The CoS computed for each consumer category is given in Table below:

**Table 5.3-1: CoS Computations for FY 2015-16 (Rs/kWh)**

Category	FY 2015-16		TOTAL for Two Discoms
	TSSPDCL	TSNPDCL	
LT Cat I - Domestic	6.76	7.77	7.06
LT Cat II - Non-domestic	6.85	8.40	7.20
LT Cat III (A & B) - Industrial	5.95	7.06	6.23
LT Cat IV - Cottage Industries & Dhobighats	6.10	6.98	6.48
LT Cat V - Irrigation and Agriculture	4.80	5.26	4.99
LT Cat VI - Local Bodies, St. Lighting & PWS	6.71	8.75	7.29
LT Cat VII - General Purpose	6.76	8.61	7.49
LT Cat VIII - Temporary	7.31	0.00	7.32
HT Cat I - Industry - General (11 kV)	5.49	6.63	5.67
HT Cat I - Industry - General (33 kV)	4.31	5.27	4.34
HT Cat I - Industry - General (220/132 kV)	4.04	4.76	4.19
HT I(B)- Ferro Alloys(33 kV)	4.24	4.48	4.32
HT I(B)- Ferro Alloys(132 kV)	4.07	0.00	4.07
HT Cat II - Industry - Other (11 kV)	5.97	6.04	5.98
HT Cat II - Industry - Other (33 kV)	5.10	6.15	5.12
HT Cat II - Industry - Other (220/132 kV)	4.75	8.20	4.83
HT Cat III- Airports, Buses & Railways(11KV)	6.71	8.83	8.07
HT Cat III- Airports, Buses & Railways(132KV)	4.24	0.00	4.24
HT Cat IV - Irrigation & Agriculture (11 kV)	5.02	6.23	5.49

Category	FY 2015-16		TOTAL for Two Discoms
	TSSPDCL	TSNPDCL	
HT Cat IV - Irrigation & Agriculture (33 kV)	4.22	5.25	4.84
HT Cat IV - Irrigation & Agriculture (132 kV)	4.04	5.13	4.51
HT Cat V - Railway Traction (EHT)	4.94	5.71	5.48
HT Cat VI - Colony Consumption	6.16	6.46	6.32
HT Rural Co-operatives (11 kV)	0.00	4.30	4.30
HT Rural Co-operatives (33 kV)	0.00	0.00	0.00
HT Temporary	4.76	0.00	4.76
<b>AVERAGE COST OF SERVICE</b>	<b>5.43</b>	<b>6.19</b>	<b>5.64</b>

5.3.1.5. Considering the ARR and sales approved by the Commission for FY 2015-16, the Average Cost of Supply for TSSPDCL and TSNPDCL works out to be Rs 5.43/kWh and Rs 6.19/kWh respectively. The combined Average Cost of Supply for both the Discoms in the State of Telangana for FY 2015-16 works out to be Rs 5.64/kWh.

## CHAPTER-6

### 6. TARIFF DESIGN AND RETAIL SUPPLY TARIFFS AND OTHER CHARGES

#### 6.1 FULL COST RECOVERY TARIFF SCHEDULE (FCRTS)

##### Methodology

6.1.1 The Commission in Chapter 5 of the Order arrived at category wise sales and energy input requirement for FY 2015-16. The Commission in Chapter 5 of the Order carried out the detailed analysis of Power Purchase Cost, other cost elements and approved the Aggregate Revenue Requirement for both the Licensees for FY 2015-16. Further, the Commission in Chapter 5 of the Order worked out the cost of service for different consumer categories by allocating the various costs to consumer categories.

6.1.2 The Commission after determining the ARR for FY 2015-16 first estimated the Revenue at current tariffs with the approved sales and then the Revenue Gap at current tariffs. Certain rates/charges proposed by the Licensees were modified and the reference tariff schedule was arrived at. The Commission estimated the revenue for each category for FY 2015-16 at the tariff indicated in the Reference Tariff Schedule (RTS) as given in Table below:

**Table 6.1-1: Reference Tariff Schedule**

CONSUMER CATEGORY	Energy	Fixed/Demand Charges	Energy Charge (Rs./Unit)
	Unit	KW/HP/KVA (Rs/Month)	
LT-I DOMESTIC (Telescopic)			
LT I (A) : Up to 50 Units/Month	kWh		1.45
LT-I (B) : Above 50 Units/Month			
LT-I (B) (i) More than 50 & up to 100 Units/Month			
First 50	kWh		1.45
51-100	kWh		2.60

CONSUMER CATEGORY	Energy	Fixed/Demand Charges	Energy Charge (Rs./Unit)
	Unit	KW/HP/KVA (Rs/Month)	
LT-I (B) (ii) More than 100 & up to 200 Units/Month			
First 100	kWh		2.60
101-200	kWh		3.60
LT-I (B) (iii) More than 200 Units/Month			
First 50	kWh		2.60
51-100	kWh		3.25
101-150	kWh		4.90
151-200	kWh		5.65
201-250	kWh		6.80
251-300	kWh		7.30
301-400	kWh		7.80
Above 400	kWh		8.50
LT-II NON DOMESTIC/ COMMERCIAL			
LT II (A) : Up to 50 Units/Month	kWh/kVAh	50/kW	5.40
LT II (B) : Above 50 Units/Month			
First 50	kWh/kVAh	50/kW	6.60
51-100	kWh/kVAh	53/kW	7.80
101-300	kWh/kVAh	53/kW	8.60
301-500	kWh/kVAh	53/kW	9.10
Above 500	kWh/kVAh	53/kW	9.70
LT II (C) : Advertisement Hoardings	kWh/kVAh	53/kW	11.70
LT-III:INDUSTRY			
Industries	kWh/kVAh	53/kW	6.40
Seasonal Industries (off season)	kWh/kVAh	53/kW	7.10
Pisci-culture/Prawn culture	kWh/kVAh	21/kW	4.90
Sugarcane crushing	kWh/kVAh	21/kW	4.90
Poultry farms	kWh/kVAh	50/kW	5.60
Mushroom & Rabbit Farms	kWh/kVAh	53/kW	6.00
Floriculture in Green House	kWh/kVAh	53/kW	6.00
LT-IV:COTTAGE INDUSTRIES			
Cottage Industries up to 10 HP	kWh	20/kW	3.75
Agro Based Activity up to 10 HP	kWh	20/kW	3.75
LT-V:AGRICULTURE			
LT-V(A):AGRICULTURE WITH DSM MEASURES			
Corporate Farmers & IT Assesses	kWh		2.50
Wet Land Farmers (Holdings >2.5 acre)	kWh	525/HP*	0.50

CONSUMER CATEGORY	Energy	Fixed/Demand Charges	Energy Charge (Rs./Unit)
	Unit	KW/HP/KVA (Rs/Month)	
Dry Land Farmers (connections > 3 Nos.)	kWh	525/HP*	0.50
Wet Land Farmers (holdings<=2.5 acre)	kWh		0.00
Dry Land Farmers (connections<=3 Nos.)	kWh		0.00
LT-V (B) : AGRICULTURE WITHOUT DSM MEASURES			
Corporate Farmers & IT Assesses	kWh		3.50
Wet Land Farmers (Holdings >2.5 acre)	kWh	1050/HP*	1.00
Dry Land Farmers (connections > 3 Nos.)	kWh	1050/HP*	1.00
Wet Land Farmers (holdings<=2.5 acre)	kWh	525/HP*	0.50
Dry Land Farmers (connections<=3 Nos.)	kWh	525/HP*	0.50
LT-V (C) : OTHERS			
Salt farming units up to 15HP	kWh	20/HP	3.70
Rural Horticulture Nurseries up to 15HP	kWh	20/HP	3.70
LT-VI : STREET LIGHTING AND PWS			
LT-VI (A) : STREET LIGHTING			
Panchayats	kWh	32/kW	5.70
Municipalities	kWh	32/kW	6.20
Municipal Corporations	kWh	32/kW	6.70
LT-VI (B) : PWS SCHEMES			
Panchayats	kWh/kVAh	32/HP	4.60
Municipalities	kWh/kVAh	32/HP	5.70
Municipal Corporations	kWh/kVAh	32/HP	6.20
LT-VII : GENERAL			
LT-VII (A) : GENERAL PURPOSE	kWh/kVAh	21/kW	6.90
LT-VII (B) : RELIGIOUS PLACES	kWh	21/kW	5.00
LT-VIII : TEMPORARY SUPPLY	kWh/kVAh	21/kW	10.00
HT-I : INDUSTRY			
HT-I (A) : GENERAL			
11 kV	kVAh	370/kVA	6.00
33 kV	kVAh	370/kVA	5.60
132 kV & Above	kVAh	370/kVA	5.10
LIGHTS AND FANS			
11 kV	kVAh		6.00
33 kV	kVAh		5.60
132 kV & Above	kVAh		5.10
INDUSTRIAL COLONIES			



CONSUMER CATEGORY	Energy	Fixed/Demand Charges	Energy Charge (Rs./Unit)
	Unit	KW/HP/KVA (Rs/Month)	
11 kV	kVAh		6.00
33 kV	kVAh		6.00
132 kV & Above	kVAh		6.00
SEASONAL INDUSTRIES			
11 kV	kVAh	370/kVA	7.30
33 kV	kVAh	370/kVA	6.60
132 kV & Above	kVAh	370/kVA	6.40
TIME OF DAY TARIFFS(6 PM to 10 PM)			
11 kV	kVAh		7.00
33 kV	kVAh		6.60
132 kV & Above	kVAh		6.10
HT-I(B):FERRO ALLOY UNITS			
11 kV	kVAh		5.70
33 kV	kVAh		5.30
132 kV & Above	kVAh		4.80
HT-II:OTHERS			
11 kV	kVAh	370/kVA	7.30
33 kV	kVAh	370/kVA	6.60
132 kV & Above	kVAh	370/kVA	6.40
TIME OF DAY TARIFFS(6 PM to 10 PM)			
11 kV	kVAh		8.30
33 kV	kVAh		7.60
132 kV & Above	kVAh		7.40
HT-III:AIRPORTS,BUS STATIONS AND RAILWAY STATIONS			
11 kV	kVAh	370/kVA	7.00
33 kV	kVAh	370/kVA	6.40
132 kV & Above	kVAh	370/kVA	6.00
TIME OF DAY TARIFFS(6 PM to 10 PM)			
11 kV	kVAh		8.00
33 kV	kVAh		7.40
132 kV & Above	kVAh		7.00
HT-IV:IRRIGATION, AGRICULTURE AND CPWS			
Government LIS & Agriculture	kVAh		5.70
CPWS	kVAh		4.60
HT-V:RAILWAY TRACTION			
HT-VI : Townships & Residential Colonies	kVAh	53/kVA	6.00
HT-VII:GREEN POWER	kVAh		11.40

CONSUMER CATEGORY	Energy	Fixed/Demand Charges	Energy Charge (Rs./Unit)
	Unit	KW/HP/KVA (Rs/Month)	
HT-VIII:TEMPORARY		1.5 times of corresponding HT category	
RESCO : Rural Electric Co-Operatives			0.91
* Equivalent Flat Rate Tariff per year			

6.1.3 The Commission after examination of cost, revenue and cross subsidy of each category of consumers made necessary changes to the rates/charges for certain consumer categories and determined the Full Cost Recovery Tariff schedule for FY 2015-16 by modifying the rates/charges in the reference tariff schedule.

6.1.4 The full cost recovery tariff rates/charges were determined by the Commission in the following manner:

- The revenue is computed as per Reference Tariff Schedule, for each consumer category based on sales for FY 2015-16. The non-tariff income is apportioned to different consumer categories.
- The category wise revenue including non-tariff income is compared with category wise cost of supply, based on cost of service arrived for each category as mentioned in Chapter-5. Based on the cost and revenue from each consumer category, some consumer categories are classified as subsidizing, if the revenue is more than the cost (surplus) and while others as subsidized, if the revenue is less than the cost (deficit).
- The sum of surplus of revenue over cost available from subsidizing categories is first utilized to meet the deficit of subsidized consumer categories other than LT-I: Domestic and LT-V: Agriculture.
- The remaining surplus, if any, is allocated to LT - I: Domestic and LT-V: Agriculture categories in the ratio of a category's deficit to the total deficit of these categories.

- After allocation of the surplus available, the net deficit (cost for that category less revenue from the category and surplus allocated to that category) is computed for LT-I: Domestic and LT-V: Agriculture consumer categories. The net deficit computed for LT-I and LT-V categories is Rs 4227 Cr.
- As there is no other source of revenue to meet the remaining cost, the energy rate/charge for LT-I: Domestic and LT-V: Agriculture categories is revised upwards by an amount equal to net deficit divided by approved sales. By doing so, the revenue from tariff and allocated surplus will be sufficient to meet the cost.

6.1.5 The Commission, following the methodology enumerated above, has drawn up a Full Cost Recovery Tariff Schedule (FCRTS) for each Licensee. If the Licensees levy the tariff as per FCRTS for FY 2015-16, they would recover the approved ARR in full. The details of FCRTS and the revenue at FCRTS are given in Table below:

**Table 6.1-2: Full Cost Recovery Tariff Schedule FY 2015-16**

CONSUMER CATEGORY	Demand Charge Rs/kVA	Fixed Charge Rs/kW	Full Cost Recovery Charge, Rs./kWh	
			NPDCL	SPDCL
<b>LT-I: DOMESTIC</b>				
<b>LT-I(A): Domestic, Up to 50 units</b>			6.19	1.86
<b>LT-I(B): Domestic, 51-100 units</b>				
0 - 50 units			6.19	1.86
51 - 100 units			7.34	3.01
<b>LT-I(C ): Domestic, 101-200 units</b>				
0 - 50 units			7.34	3.01
51 - 100 units			7.34	3.01
101 - 150 units			8.34	4.01
151 - 200 units			8.34	4.01
<b>LT-I(D) : Domestic, More than 200 units</b>				
0 - 50 units			7.34	3.01
51 - 100 units			7.99	3.66
101 - 150 units			9.64	5.31

CONSUMER CATEGORY	Demand Charge Rs/kVA	Fixed Charge Rs/kW	Full Cost Recovery Charge, Rs./kWh	
			NPDCL	SPDCL
151 - 200 units			10.39	6.06
201 - 250 units			11.54	7.21
251 - 300 units			12.04	7.71
301 - 400 units			12.54	8.21
More than 400 Units			13.24	8.91
<b>T-II: NON-DOMESTIC/COMMERCIAL</b>				
<b>LT-II(A): Non Domestic Upto 50 units</b>		50	5.40	5.40
<b>LT-II(B): Non Domestic, More than 50 units</b>				
0-50 units		50	6.60	6.60
51 - 100 units		53	7.80	7.80
101 - 300 units		53	8.60	8.60
301 - 500 units		53	9.10	9.10
>500 units		53	9.70	9.70
<b>LT-II(C) Advertising Hoardings</b>		53	11.70	11.70
<b>LT-III: INDUSTRY</b>				
LT-III(A): Industry, Normal		53	6.40	6.40
LT-III(B): Seasonal Industries		53	7.10	7.10
<b>LT-IV: COTTAGE INDUSTRIES &amp; OTHERS</b>				
Cottage Industries		20	3.75	3.75
Agro Based Activities		20	3.75	3.75
LT-III(C): Sugarcane Crushing		21	4.90	4.90
<b>LT-V: AGRICULTURE</b>				
<b>LT-V(A): WITH DSM MEASURES</b>				
Corporate Farmers & IT Assesses			7.60	3.17
Wet Land Farmers (Holdings >2.5 acre)	525/HP *		5.60	1.17
Dry Land Farmers (Connections > 3 nos.)	525/HP *		5.60	1.17
Wet Land Farmers (Holdings <= 2.5 acre)			5.10	0.67
Dry Land Farmers (Connections <= 3 nos.)			5.10	0.67
<b>LT-V(B): WITHOUT DSM MEASURES</b>				
Corporate Farmers & IT			8.60	4.17

CONSUMER CATEGORY	Demand Charge Rs/kVA	Fixed Charge Rs/kW	Full Cost Recovery Charge, Rs./kWh	
			NPDCL	SPDCL
Assesses				
Wet Land Farmers (Holdings >2.5 acre)	1050/HP *		6.10	1.67
Dry Land Farmers (Connections > 3 nos.)	1050/HP *		6.10	1.67
Wet Land Farmers (Holdings <= 2.5 acre)	525/HP *		5.60	1.17
Dry Land Farmers (Connections <= 3 nos.)	525/HP *		5.60	1.17
<b>LT V(C): Others</b>				
Salt Farming		20	3.70	3.70
Rural Horticulture Nurseries		20	3.70	3.70
<b>LT-VI: STREET LIGHTING AND PWS</b>				
Panchayats		32	4.60	4.60
Municipalities		32	5.70	5.70
Corporations		32	6.20	6.20
<b>LT-VII: GENERAL AND RELIGIOUS PLACES</b>				
General		21	6.90	6.90
Religious Places		21	5.00	5.00
<b>LT-VIII: TEMPORARY SUPPLY</b>		21	10.00	10.00
<b>HT I INDUSTRY</b>				
<b>HT-I(A): GENERAL</b>				
11 kV	370		6.00	6.00
33 kV	370		5.60	5.60
132 kV	370		5.10	5.10
<b>INDUSTRIAL COLONIES</b>				
11 kV			6.00	6.00
33 kV			5.60	5.60
132 kV			5.10	5.10
<b>SEASONAL INDUSTRIES</b>				
11 kV	370		6.00	6.00
33 kV	370		6.00	6.00
132 kV	370		6.00	6.00
<b>HT-I(B): FERRO ALLOY UNITS</b>				
11 kV			5.70	5.70
33 kV			5.30	5.30
132 kV			4.80	4.80
<b>HT-II OTHERS</b>				
11 kV	370		7.30	7.30

CONSUMER CATEGORY	Demand Charge Rs/kVA	Fixed Charge Rs/kW	Full Cost Recovery Charge, Rs./kWh	
			NPDCL	SPDCL
33 kV	370		6.60	6.60
132 kV	370		6.40	6.40
<b>HT-III: AIRPORT, BUS STNS. AND RLY.STNS.</b>				
11 kV	370		7.00	7.00
33 kV	370		6.40	6.40
132 kV	370		6.00	6.00
<b>HT IV: LIFT IRRIGATION AND CPWS</b>			5.70	5.70
<b>HT-V: RAILWAY TRACTION</b>			6.80	6.80
<b>HT-VI:TOWNSHIPS AND COLONIES</b>	53		6.00	6.00
<b>RESCOS</b>				
Sircilla			0.91	

**Table 6.1-3- Revenue at Full Cost Tariff for FY15-16**

Category	NPDCL	SPDCL	Total
LT-I: DOMESTIC	2149.39	2994.75	5144.13
LT-II: NON-DOMESTIC/COMMERCIAL	532.26	1938.22	2470.48
LT-III: INDUSTRIAL	214.98	572.91	787.89
LT-IV: COTTAGE INDUSTRIES	2.83	4.12	6.95
LT-V: AGRICULTURE	2257.91	467.15	2725.06
LT-VI: STREET LIGHTING AND PWS	172.93	462.65	635.58
LT-VII: GENERAL AND RELIGIOUS PLACES	26.51	40.17	66.68
LT-VIII: TEMPORARY SUPPLY	0.00	0.91	0.91
HT-I	947.48	7284.12	8231.60
HT-I(B)	25.04	108.98	134.03
HT-II	111.75	1825.66	1937.41
HT-III	7.49	50.01	57.51
HT-IV	241.98	310.59	552.57
HT-V	321.36	136.54	457.89
HT-VI	91.90	76.47	168.37
HT-VII	0.00	36.40	36.40
HT-VIII	66.69	0.00	66.69
<b>TOTAL</b>	<b>7170.48</b>	<b>16309.67</b>	<b>23480.15</b>

## 6.2 RETAIL SUPPLY TARIFF SCHEDULE (RSTS)

- 6.2.1 The Commission worked out the Full Cost Recovery Tariff Schedule rates (FCRTS) for FY 2015-16, which the Licensees will have to charge in the absence of any external subsidization u/s 65 of Electricity Act, 2003 in order to generate the revenue required to meet the approved cost.
- 6.2.2 As discussed in Chapter 4 of the Order, in response to the Commission's letter TSERC/Secy/EAS/2014 dated 23-03-2015, the Secretary to Government, Energy Department, Government of Telangana, vide Letter No. 399/Budget/2015 dated 26.03.2015 informed that "Government of Telangana have noted the retail sale tariffs proposed by the Hon'ble Commission for FY 2015-16 for the distribution companies in the State. While confirming its commitment to provide subsidy amount in accordance with Sec.65 of the Electricity Act, 2003 in the manner specified by the Commission in the reference cited, GoTS in its letter also mentioned that GoTS will provide an additional subsidy of Rs 30 Cr towards reduction in tariff for Poultry Farms. The Govt. in its letter also directed, under Section 108 of the Act, to maintain the uniform retail supply tariff across the State.
- 6.2.3 Taking into consideration the amount of Rs. 4227.24 Cr plus Rs 30 Cr additional subsidy for Poultry Farms, indicated in GoTS Letter No. 399/Budget/2015 dated 26-03-2015, as subsidy u/s 65 of Electricity Act, 2003 for the tariff proposals of the DISCOMS, the Commission modified the rates for Poultry industry under LT and HT supply and prepared the Retail supply Tariff Schedule for FY 2015-16 as indicated in Table below:

**Table 6.2-1: Retail Supply Tariff Rates for FY 2015-16**

**(Applicable w.e.f. 01-04-2015 to 31-03-2016 in respect of the two Distribution Licensees in the State of Telangana and one Rural Electric Cooperative Society (Sircilla) in the State)**

Consumer Category	Energy	Fixed/Demand Charge	Energy Charge
	Unit	(Rs./Month)	(Rs./Unit)

Consumer Category	Energy	Fixed/Demand Charge	Energy Charge
	Unit	(Rs./Month)	(Rs./Unit)
<b>LT-I: DOMESTIC (Telescopic)**</b>			
<b>LT-I(A)(i): Upto 50 Units/Month</b>	kWh		1.45
<b>LT-I (A) (ii) More than 50 &amp; up to 100 Units/Month</b>			
First 50	kWh		1.45
51-100	kWh		2.60
<b>LT-I(B): Above 100 Units/Month</b>			
<b>LT-I (B) (i) More than 100 &amp; up to 200 Units/Month</b>			
First 100	kWh		2.60
101-200	kWh		3.60
<b>LT-I (B) (ii) More than 200 Units/Month</b>			
First 50	kWh		2.60
51-100	kWh		3.25
101-150	kWh		4.90
151-200	kWh		5.65
201-250	kWh		6.80
251-300	kWh		7.30
301-400	kWh		7.80
Above 400	kWh		8.50
<b>LT-II: NON-DOMESTIC/COMMERCIAL</b>			
<b>LT-II(A): Upto 50 Units/Month</b>	kWh/kVAh	50/kW	5.40
<b>LT-II(B): Above 50 Units/Month</b>			
First 50	kWh/kVAh	50/kW	6.60
51-100	kWh/kVAh	53/kW	7.80
101-300	kWh/kVAh	53/kW	8.60
301-500	kWh/kVAh	53/kW	9.10
Above 500	kWh/kVAh	53/kW	9.70
<b>LT-II(C): ADVERTISEMENT HOARDINGS</b>	kWh/kVAh	53/kW	11.70
<b>LT-III: INDUSTRY</b>			
Industries (General)	kWh/kVAh	53/kW	6.40
Seasonal Industries (off season)	kWh/kVAh	\$53/kW	7.10
Pisciculture/Prawn culture	kWh/kVAh	21/kW	4.90
Sugarcane crushing	kWh/kVAh	21/kW	4.90
Poultry farms*	kWh/kVAh	50/kW	3.60
Mushroom & Rabbit Farms	kWh/kVAh	53/kW	6.00
Floriculture in Green House	kWh/kVAh	53/kW	6.00
<i>§ Off Season Fixed Charges shall be calculated on 30% of the Contracted Demand</i>			
<b>LT-IV: COTTAGE INDUSTRIES</b>			
Cottage Industries (upto 10 HP)	kWh	20/kW subject to a minimum of Rs 30/month	3.75
Agro Based Activity (upto 10 HP)	kWh		



Consumer Category	Energy	Fixed/Demand Charge	Energy Charge
	Unit	(Rs./Month)	(Rs./Unit)
<b>LT-V: AGRICULTURE**</b>			
<b>LT-V(A): AGRICULTURE WITH DSM MEASURES</b>			
Corporate Farmers & IT Assesses	kWh		2.50
Wet Land Farmers (Holdings >2.5 acre)	kWh	525/HP *	0.50
Dry Land Farmers (Connections > 3 nos.)	kWh	525/HP *	0.50
Wet Land Farmers (Holdings <= 2.5 acre)	kWh		0.00
Dry Land Farmers (Connections <= 3 nos.)	kWh		0.00
<b>LT-V(B): AGRICULTURE WITHOUT DSM MEASURES</b>			
Corporate Farmers & IT Assesses	kWh		3.50
Wet Land Farmers (Holdings >2.5 acre)	kWh	1050/HP *	1.00
Dry Land Farmers (Connections > 3 nos.)	kWh	1050/HP *	1.00
Wet Land Farmers (Holdings <= 2.5 acre)	kWh	525/HP *	0.50
Dry Land Farmers (Connections <= 3 nos.)	kWh	525/HP *	0.50
<i>* Equivalent flat rate tariff per Year</i>			
<b>LT-V(C): OTHERS</b>			
Salt farming units with CL upto 15 HP	kWh	20/HP	3.70
Rural Horticulture Nurseries upto 15 HP	kWh	20/HP	3.70
<b>LT-VI: STREET LIGHTING AND PWS</b>			
<b>LT-VI(A): STREET LIGHTING</b>			
Panchayats	kWh	32/kW	5.70
Municipalities	kWh	32/kW	6.20
Municipal Corporations	kWh	32/kW	6.70
<b>LT-VI(B): PWS SCHEMES</b>			
Panchayats	kWh/kVAh	32/HP subject to a minimum of Rs 50/month	4.60
Municipalities	kWh/kVAh	32/HP subject to a minimum of Rs 100/month	5.70
Municipal Corporations	kWh/kVAh		6.20
<b>LT-VII: GENERAL</b>			
<b>LT-VII(A): GENERAL PURPOSE</b>			
	kWh/kVAh	21/kW	6.90
<b>LT-VII(B): RELIGIOUS PLACES</b>			
	kWh	21/kW	5.00
<b>LT-VIII: TEMPORARY SUPPLY</b>			
	kWh/kVAh	21/kW	10.00
<b>HT-I: INDUSTRY</b>			
<b>HT-I(A): GENERAL</b>			
11 kV	kVAh	370/kVA	6.00
33 kV	kVAh	370/kVA	5.60
132 kV & Above	kVAh	370/kVA	5.10
<b>LIGHTS AND FANS</b>			

Consumer Category	Energy	Fixed/Demand Charge	Energy Charge
	Unit	(Rs./Month)	(Rs./Unit)
11 kV	kVAh		6.00
33 kV	kVAh		5.60
132 kV & Above	kVAh		5.10
<b>POULTRY FARMS*</b>			
11 kV	kVAh	370/ kVA	4.00
33 kV	kVAh	370/ kVA	3.60
<b>INDUSTRIAL COLONIES</b>			
11 kV	kVAh		6.00
33 kV	kVAh		6.00
132 kV & Above	kVAh		6.00
<b>SEASONAL INDUSTRIES</b>			
11 kV	kVAh	370/kVA	7.30
33 kV	kVAh	370/kVA	6.60
132 kV & Above	kVAh	370/kVA	6.40
<b>TIME OF DAY TARIFFS(6 PM to 10 PM)</b>			
11 kV	kVAh		7.00
33 kV	kVAh		6.60
132 kV & Above	kVAh		6.10
<b>HT-I(B): FERRO ALLOY UNITS</b>			
11 kV	kVAh		5.70
33 kV	kVAh		5.30
132 kV & Above	kVAh		4.80
<b>HT-II: OTHERS</b>			
11 kV	kVAh	370/kVA	7.30
33 kV	kVAh	370/kVA	6.60
132 kV & Above	kVAh	370/kVA	6.40
<b>TIME OF DAY TARIFFS(6 PM to 10 PM)</b>			
11 kV	kVAh		8.30
33 kV	kVAh		7.60
132 kV & Above	kVAh		7.40
<b>HT-III: AIRPORTS,BUS STATIONS AND RAILWAY STATIONS</b>			
11 kV	kVAh	370/kVA	7.00
33 kV	kVAh	370/kVA	6.40
132 kV & Above	kVAh	370/kVA	6.00
<b>TIME OF DAY TARIFFS(6 PM to 10 PM)</b>			
11 kV	kVAh		8.00
33 kV	kVAh		7.40
132 kV & Above	kVAh		7.00
<b>HT-IV: IRRIGATION, AGRICULTURE AND CPWS</b>			
Government LIS & Agriculture	kVAh		5.70
CPWS	kVAh		4.60

Consumer Category	Energy	Fixed/Demand Charge	Energy Charge
	Unit	(Rs./Month)	(Rs./Unit)
HT-V: RAILWAY TRACTION	kVAh		6.80
HT-VI: TOWNSHIPS AND RESIDENTIAL COLONIES	kVAh	53/kVA	6.00
HT-VII: GREEN POWER	kVAh		8.50
HT-VIII: TEMPORARY		1.5 times of corresponding HT category	
<b>RURAL ELECTRIC CO-OPERATIVES</b>			
Sircilla	kWh		0.91

*\*\* The above determined rates for LT-I Domestic, LT V Agriculture and Poultry Farms are contingent on payment of subsidy as agreed by GoTS, failing which, the rates contained in the full cost recovery tariff schedule will become operative.*

### 6.3 SUBSIDY COMMITMENT BY GOTS REQUIRED FOR RSTS

6.3.1 As mentioned above in Para 6.2.2. the Government of Telangana gave its consent on granting the subsidy under section 65 of the Electricity Act, 2003 to enable the Commission on determination of the Retail Tariffs for FY 2015-16, as per the rates given in the Retail Supply Tariff Schedule (Table 6-2-1). The Government of Telangana, while confirming the consent to provide additional subsidy of Rs 30 Cr to the Poultry industry so as to reduce the tariff by the Commission to the extent of additional subsidy provided. In the same letter the GoTS has also directed the Commission under section 108 of Electricity Act, 2003 to maintain uniform Retail Supply Tariff, across the State.

6.3.2 The details of the subsidy amount (including additional subsidy for poultry industry), flowing from the consent letter of the Government for different consumer categories in both Licensee's ( TSSPDCL and TSNPDCL) supply areas, works out as given in Table below.

**Table 6.3-1: Subsidy Commitment of GoTS to maintain Retail Supply Tariff Schedule for FY 2015-16**

Consumer Category	TSSPDCL	TSNPDCL	TOTAL
LT-I: Domestic	274.10	1317.71	<b>1591.82</b>
LT-V: Agricultural	423.69	2211.73	<b>2635.43</b>

<b>Consumer Category</b>	<b>TSSPDCL</b>	<b>TSNPDCL</b>	<b>TOTAL</b>
LT & HT Poultry Industries	26.00	4.00	30.00
<b>Total</b>	<b>723.79</b>	<b>3533.44</b>	<b>4257.25</b>

#### **6.4 SUBSIDY ADMINISTRATION UNDER SECTION 65 OF EA 2003**

6.4.1 The payment of subsidy amounts indicated in the above section must be made by Government to the Licensees in monthly installments, in advance.

6.4.2 The above determined rates for LT-I Domestic, LT-III Industries- Poultry farms, LT-V Agriculture and HT-I(A) Industry- Poultry farms are contingent upon payment of subsidy as agreed by the GoTS., failing which, the rates contained in the full cost recovery tariff schedule will become operative.

#### **6.5 TERMS AND CONDITIONS OF TARIFF AND OTHER CHARGES**

6.5.1 The Commission, in accordance with the decisions enumerated in earlier Chapters, and in accordance with the consent conveyed vide above mentioned GoTS Letter No. 399/Budget/2015 dated 26.03.2015 for provision of subsidy, hereby determines the Retail Supply Tariff rates and terms and conditions applicable with effect from 01-04-2015 to 31-03-2016 in respect of both the distribution licensees in the State of Telangana and the Rural Electrical Supply Co-Operative society, Sircilla in the State, as hereunder:

#### **RETAIL SUPPLY TARIFF RATES**

(Applicable with effect from 01-04-2015 to 31-03-2016 in respect of the two Distribution Licensees(TSSPDCL & TSNPDCL) in the State of Telangana and the Rural Electrical Supply Co-Operative society, Sircilla in the State)

<b>Consumer Category</b>	<b>Energy</b>	<b>Fixed/Demand Charge</b>	<b>Energy Charge</b>
	<b>Unit</b>	<b>(Rs./Month)</b>	<b>(Rs./Unit)</b>
<b>LT-I: DOMESTIC (Telescopic)**</b>			
<b>LT-I(A)(i): Upto 50 Units/Month</b>	kWh		1.45
<b>LT-I (A) (ii) More than 50 &amp; up to 100 Units/Month</b>			
First 50	kWh		1.45

Consumer Category	Energy	Fixed/Demand Charge	Energy Charge
	Unit	(Rs./Month)	(Rs./Unit)
51-100	kWh		2.60
<b>LT-I(B): Above 100 Units/Month</b>			
<b>LT-I (B) (i) More than 100 &amp; up to 200 Units/Month</b>			
First 100	kWh		2.60
101-200	kWh		3.60
<b>LT-I (B) (ii) More than 200 Units/Month</b>			
First 50	kWh		2.60
51-100	kWh		3.25
101-150	kWh		4.90
151-200	kWh		5.65
201-250	kWh		6.80
251-300	kWh		7.30
301-400	kWh		7.80
Above 400	kWh		8.50
<b>LT-II: NON-DOMESTIC/COMMERCIAL</b>			
<b>LT-II(A): Upto 50 Units/Month</b>	kWh/kVAh	50/kW	5.40
<b>LT-II(B): Above 50 Units/Month</b>			
First 50	kWh/kVAh	50/kW	6.60
51-100	kWh/kVAh	53/kW	7.80
101-300	kWh/kVAh	53/kW	8.60
301-500	kWh/kVAh	53/kW	9.10
Above 500	kWh/kVAh	53/kW	9.70
<b>LT-II(C): ADVERTISEMENT HOARDINGS</b>	kWh/kVAh	53/kW	11.70
<b>LT-III: INDUSTRY</b>			
Industries (General)	kWh/kVAh	53/kW	6.40
Seasonal Industries (off season)	kWh/kVAh	\$53/kW	7.10
Pisciculture/Prawn culture	kWh/kVAh	21/kW	4.90
Sugarcane crushing	kWh/kVAh	21/kW	4.90
Poultry farms*	kWh/kVAh	50/kW	3.60
Mushroom & Rabbit Farms	kWh/kVAh	53/kW	6.00
Floriculture in Green House	kWh/kVAh	53/kW	6.00
<i>\$ Off Season Fixed Charges shall be calculated on 30% of the Contracted Demand</i>			
<b>LT-IV: COTTAGE INDUSTRIES</b>			
Cottage Industries (upto 10 HP)	kWh	20/kW subject to a minimum of Rs 30/month	3.75
Agro Based Activity (upto 10 HP)	kWh		
<b>LT-V: AGRICULTURE**</b>			
<b>LT-V(A): AGRICULTURE WITH DSM MEASURES</b>			
Corporate Farmers & IT Assesses	kWh		2.50
Wet Land Farmers (Holdings >2.5 acre)	kWh	525/HP *	0.50

Consumer Category	Energy	Fixed/Demand Charge	Energy Charge
	Unit	(Rs./Month)	(Rs./Unit)
Dry Land Farmers (Connections > 3 nos.)	kWh	525/HP *	0.50
Wet Land Farmers (Holdings <= 2.5 acre)	kWh		0.00
Dry Land Farmers (Connections <= 3 nos.)	kWh		0.00
<b>LT-V(B): AGRICULTURE WITHOUT DSM MEASURES</b>			
Corporate Farmers & IT Assesses	kWh		3.50
Wet Land Farmers (Holdings >2.5 acre)	kWh	1050/HP *	1.00
Dry Land Farmers (Connections > 3 nos.)	kWh	1050/HP *	1.00
Wet Land Farmers (Holdings <= 2.5 acre)	kWh	525/HP *	0.50
Dry Land Farmers (Connections <= 3 nos.)	kWh	525/HP *	0.50
<i>* Equivalent flat rate tariff per Year</i>			
<b>LT-V(C): OTHERS</b>			
Salt farming units with CL upto 15 HP	kWh	20/HP	3.70
Rural Horticulture Nurseries upto 15 HP	kWh	20/HP	3.70
<b>LT-VI: STREET LIGHTING AND PWS</b>			
<b>LT-VI(A): STREET LIGHTING</b>			
Panchayats	kWh	32/kW	5.70
Municipalities	kWh	32/kW	6.20
Municipal Corporations	kWh	32/kW	6.70
<b>LT-VI(B): PWS SCHEMES</b>			
Panchayats	kWh/kVAh	32/HP subject to a minimum of Rs 50/month	4.60
Municipalities	kWh/kVAh	32/HP subject to a minimum of Rs 100/month	5.70
Municipal Corporations	kWh/kVAh		6.20
<b>LT-VII: GENERAL</b>			
<b>LT-VII(A): GENERAL PURPOSE</b>	kWh/kVAh	21/kW	6.90
<b>LT-VII(B): RELIGIOUS PLACES</b>	kWh	21/kW	5.00
<b>LT-VIII: TEMPORARY SUPPLY</b>	kWh/kVAh	21/kW	10.00
<b>HT-I: INDUSTRY</b>			
<b>HT-I(A): GENERAL</b>			
11 kV	kVAh	370/kVA	6.00
33 kV	kVAh	370/kVA	5.60
132 kV & Above	kVAh	370/kVA	5.10
<b>LIGHTS AND FANS</b>			
11 kV	kVAh		6.00
33 kV	kVAh		5.60
132 kV & Above	kVAh		5.10
<b>POULTRY FARMS*</b>			
11 kV	kVAh	370/ kVA	4.00
33 kV	kVAh	370/ kVA	3.60

Consumer Category	Energy	Fixed/Demand Charge	Energy Charge
	Unit	(Rs./Month)	(Rs./Unit)
<b>INDUSTRIAL COLONIES</b>			
11 kV	kVAh		6.00
33 kV	kVAh		6.00
132 kV & Above	kVAh		6.00
<b>SEASONAL INDUSTRIES</b>			
11 kV	kVAh	370/kVA	7.30
33 kV	kVAh	370/kVA	6.60
132 kV & Above	kVAh	370/kVA	6.40
<b>TIME OF DAY TARIFFS(6 PM to 10 PM)</b>			
11 kV	kVAh		7.00
33 kV	kVAh		6.60
132 kV & Above	kVAh		6.10
<b>HT-I(B): FERRO ALLOY UNITS</b>			
11 kV	kVAh		5.70
33 kV	kVAh		5.30
132 kV & Above	kVAh		4.80
<b>HT-II: OTHERS</b>			
11 kV	kVAh	370/kVA	7.30
33 kV	kVAh	370/kVA	6.60
132 kV & Above	kVAh	370/kVA	6.40
<b>TIME OF DAY TARIFFS(6 PM to 10 PM)</b>			
11 kV	kVAh		8.30
33 kV	kVAh		7.60
132 kV & Above	kVAh		7.40
<b>HT-III: AIRPORTS,BUS STATIONS AND RAILWAY STATIONS</b>			
11 kV	kVAh	370/kVA	7.00
33 kV	kVAh	370/kVA	6.40
132 kV & Above	kVAh	370/kVA	6.00
<b>TIME OF DAY TARIFFS(6 PM to 10 PM)</b>			
11 kV	kVAh		8.00
33 kV	kVAh		7.40
132 kV & Above	kVAh		7.00
<b>HT-IV: IRRIGATION, AGRICULTURE AND CPWS</b>			
Government LIS & Agriculture	kVAh		5.70
CPWS	kVAh		4.60
<b>HT-V: RAILWAY TRACTION</b>			
	kVAh		6.80
<b>HT-VI: TOWNSHIPS AND RESIDENTIAL COLONIES</b>			
	kVAh	53/kVA	6.00
<b>HT-VII: GREEN POWER</b>			
	kVAh		8.50
<b>HT-VIII: TEMPORARY</b>			
		1.5 times of corresponding HT category	

Consumer Category	Energy	Fixed/Demand Charge	Energy Charge
	Unit	(Rs./Month)	(Rs./Unit)
<b>RURAL ELECTRIC CO-OPERATIVES</b>			
Sircilla	kWh		0.91

*\*\* The above determined rates for LT-I Domestic, LT-III Industry Poultry farms, LT-V Agriculture and HT-I(A) Industry (General)- Poultry Farms are contingent upon payment of subsidy as agreed by the GoTS, failing which, the rates contained in the full cost recovery tariff schedule will become operative.*

### **TERMS AND CONDITIONS**

(applicable with effect from 01-04-2015 to 31-03-2016 in respect of the two distribution licensees in the State of Telangana and Rural Electrical Supply Co-Operative society, Sircilla in the State)

The L.T. Tariffs determined in PART 'A' and H.T tariffs determined in PART 'B' below are subject to the following two general conditions.

- Fuel Surcharge Adjustment (FSA) is applicable in accordance with the provisions of the Electricity Act, 2003.
- The Tariffs are exclusive of Electricity duty payable as per the provisions of AP Electricity Duty Act

### **PART 'A'**

1

### **L.T.TARIFFS**

**System of Supply** Low Tension A.C. 50 Cycles

Three Phase Supply at 415 Volts

Single Phase supply at 240 Volts

These tariffs are applicable for supply of Electricity to L.T consumers with a contracted



load of 56 kW/75 HP and below. (However, contracted load upto 75kW/100 HP will be treated as LT, for LT-III Industrial category).

### **1.1L.T.CATEGORY-I(A)&I(B)-DOMESTIC**

#### **APPLICABILITY**

This tariff is applicable for supply of electricity for lights and fans and other domestic purposes to domestic premises. *Domestic establishment /Premises is one which is used for dwelling/residential purpose.*

Note: For domestic category, the households having a separate kitchen will be treated as a separate establishment.

The LT Domestic consumers are divided into two groups, viz LT-I (A) and LT I (B).

**1.1.1:** The sub category LT I (A) is divided into two sub-groups, viz. LT I (A)(i) and LT I (A)(ii).

**1.1.1 (i):** LT I (A) (i) shall be applicable to the consumers having monthly consumption of up to 50 units.

**1.1.1 (ii):** LT I (A) (ii) shall be applicable to the consumers having monthly consumption more than 50 units and up to 100 units.

**1.1.2:** The sub category LT I (B) is divided into two sub-groups viz, LT I (B)(i) and LT I (B)(ii).

**1.1.2 (i):**LT I (B) (i) shall be applicable to the consumers having monthly consumption more than 100 units and up to 200 units.

**1.1.2 (ii):**LT I (B) (ii) shall be applicable to the consumers having monthly consumption above 200 units.

#### **RATES**

Consumers shall be billed electricity charges as shown below:

Consumption(kWh per month)	Fixed Charge	Energy Charge
	(Rs/Month)	(Rs/Unit)

LT I Domestic		
LT I(A)(i) :Upto 50 Units		1.45
LT I(A)(ii) : more than 50 units and up to 100 units /Month		
First 50		1.45
51-100		2.60
LT I(B):Above 100 Units		
LT I(B)(i) : more than 100 units and up to 200 units		
First 100		2.60
101-200		3.60
LT I(B)(ii):more than 200 Units		
First 50		2.60
51-100		3.25
101-150		4.90
151-200		5.65
201-250		6.80
251-300		7.30
301-400		7.80
Above 400		8.50

Subject to monthly minimum energy charges of:  
Single phase supply:

Contracted load upto1 kW : Rs 25/month  
Contracted load above1 kW: Rs 50/month

Three phase supply : Rs150/month

## 1.2 L.T.CATEGORY-II-NON-DOMESTIC/COMMERCIAL

APPLICABLE FOR SUPPLY OF ENERGY TO:

- a) Consumers who undertake Non Domestic activity.
- b) Consumers who undertake Commercial activity.
- c) Consumers who do not fall in any other LT category i.e., LT - I, LT - III to LT -VIII categories.
- d) Consumers who avail supply of energy for lighting, fans, heating, air conditioning and power appliances in Commercial or Non-Domestic premises such as shops, business houses, offices, public buildings, hospitals, hostels, hotels, choultries, restaurants, clubs, theatres, cinema halls, bus stations, railway stations, timber depots,

photo studios, printing presses etc.

e) Educational Institutions run by individuals, Non-Government Organisations or Private Trusts and their student hostels are also classified under this category.

The L.T. Category-II- Non-domestic / Commercial consumers are divided into three groups, Viz LT-II (A), LT II (B) and LT II (C)..

**1.2.1: LT-II (A)** The sub category LT II (A) shall be applicable to the consumers having consumption of 50 units and below per month.

**1.2.2: LT-II (B)** The sub category LT II (B) shall be applicable to the consumers having consumption of above 50 units per month.

Consumers shall be billed electricity charges as shown below:

LT-II:NON DOMESTIC/COMMERCIAL	Fixed charge (Rs/kW/Month)	Energy Charge(Rs /Unit) (kVAh/kWh)
LT II(A):Upto 50 Units/Month	50	5.40
LT II(B):Above 50 Units/Month		
First 50	50	6.60
51-100	53	7.80
101-300	53	8.60
301-500	53	9.10
Above 500	53	9.70

Monthly Minimum energy Charges: Rs 65 per month for Single Phase Supply

Rs 200 per month for Three Phase Supply

### **1.2.3: L.T. CATEGORY-II(C) - ADVERTISING HOARDINGS**

#### **APPLICABILITY**

Electricity supply availed through separate(independent) connections for the purpose of advertisements, hoardings and other conspicuous consumption such as external flood light, displays, neon signs at public places (roads, railway stations, airports

etc), departmental stores, commercial establishments, malls, multiplexes, theatres, clubs, hotels and other such entertainment/leisure establishments.

Consumption	Fixed charge (Rs/kW/Month)	Energy charge (Rs /kVAh or kWh)
For all kWh or kVAh units	53	11.70
Monthly minimum energy charges : Rs 300/month		

### 1.3: L.T.CATEGORY-III - INDUSTRY

The tariffs are applicable for supply of electricity to Low Tension Industrial consumers with a Contracted load of 75 kW/100 HP and below. Industrial purpose shall mean, supply for purpose of manufacturing, processing and/or preserving goods for sale, but shall not include shops, business houses, offices, public buildings, hospitals, hotels, hostels, choultries, restaurants, clubs, theaters, cinemas, bus-stations, railway stations and other similar premises, notwithstanding any manufacturing, processing or preserving goods for sale.

This tariff will also apply to;

- i. Water Works & Sewerage Pumping Stations operated by Government Departments or Co-operative Societies and pumpsets of Railways, pumping of water by industries as subsidiary function and sewerage pumping stations operated by local bodies.
- ii. Workshops, flour mills, oil mills, saw mills, coffee grinders and wet grinders, Ice candy units with or without sale outlets, Goshalas, grass cutting and fodder cutting units.
- iii. The Information Technology (IT) units identified and approved by the Consultative Committee on IT Industry (CCITI) constituted by GoTS.
- iv. Newspaper printing
- v. Poultry Farming Units.
- vi. Pisciculture and Prawn culture units.
- vii. Mushroom production units, Rabbit Farms other than those coming under LT Category - IV.

- vii. Floriculture in Green Houses.
- ix. Sugar cane crushing.

### 1.3.1 RATES FOR LT-III -INDUSTRY

LT-III:INDUSTRY	Fixed Charges (Rs /kW/Month)	Energy Charges Rs /unit (kVAh/kWh)
i) Industry (General)	53	6.40
ii) Pisciculture/Prawn culture	21	4.90
iii) Sugarcane crushing	21	4.90
iv) Poultry farms	50	3.60
v) Mushroom & Rabbit Farms	53	6.00
vi) Floriculture in Green House	53	6.00
<input type="checkbox"/> 1 HP = 0.75 kW <input type="checkbox"/> For the purpose of billing, 1 kVA shall be treated as being equal to 1 kW.		

- If the metering is on HT side, 1% of total energy consumed shall be deducted from recorded energy for the purpose of billing
- No manufacturing/production certification shall be required, if the poultry farm has no in-house manufacturing activity such as feed mills. Poultry farms are exempted from general condition of 3 HP minimum load for releasing the three phase supply.

### 1.3.2 RATES FOR SEASONAL INDUSTRIES UNDER LT-III

Where a consumer avails supply of energy under L.T. Category - III for manufacture of sugar or ice or salt, decorticating, seed processing, fruit processing, ginning and pressing, cotton seed oil mills, tobacco processing and re-drying and for such other industries or processes as may be approved by the Commission from time to time principally during certain seasons or limited periods in the tariff year and his main plant is regularly closed down during certain months of the tariff year, he may be charged for the months during which the plant is shut down (which period shall be referred to as the off-season period) as follows.

#### LT III-OFF SEASON TARIFF

## **FIXED CHARGES**

On 30% of contracted load Rs 53/kW/Month

## **ENERGY CHARGES**

For all kVAh/kWh of energy consumed : Rs7.10

- If the metering is on HT side, 1% of total energy consumed shall be deducted from recorded energy for the purpose of billing.

### **1.4: LT CATEGORY IV**

#### **1.4.1: L.T- IV (A): COTTAGE INDUSTRIES**

Applicable for supply of energy to Dhobighats & bonafide (as certified by D.E(operations)) small Cottage Industries specifically power looms, Carpentry, blacksmithy, Kanchari, Gold smithy, shilpi, pottery, Mochi, Phenoyl production units, Agarbathi production units, Wax Candle making units, Papads Manufacturing units, Leather (Chappals) making, Soap Industry, Plaster of Paris units, Laque toy making units, Pop Toys, Wood carving/toy making units, Pickles Manufacturing, Mango jelly units, Adda leaf plate industry having connected load not exceeding 10 HP including incidental lighting in the premises.

Rates	
For all kWh units	Rs 3.75 per kWh
Fixed Charges	Rs 20 /- per month per kW of contracted load subject to a minimum of Rs 30/- per month
Note: Units which exceed 10 HP connected load shall be billed at tariff specified for LT-III Industrial Category	

#### **1.4.2 L.T-IV (B): AGRO BASED ACTIVITIES**

##### **APPLICABILITY**

This tariff is applicable to bonafide (as certified by DE/Operations) small agro based industrial units located in rural areas covering Sisal fiber extraction co-operative units, Vermiculture, Sericulture, Mushroom growing, Rabbit farming, Sheep rearing, Emu birds farming, Apiculture (honey making), Chaff-cutting, Millets making and Dairy

farming activities with connected load upto 10 HP (including incidental lighting load).

Rates	
For all kWh units	Rs 3.75 per kWh
Fixed Charges	Rs 20 /- per month per kW of contracted load subject to a minimum of Rs 30/- per
Note: Units which exceed 10 HP connected load shall be billed at tariff Specified for LT-III Industrial Category.	

## 1.5: LT CATEGORY - V AGRICULTURAL

### 1.5.1: L.T- V (A) - AGRICULTURAL WITH DSM MEASURES

Category	Purpose	Fixed charges	Energy Charge
With DSM measures	Corporate Farmers & IT Assesses	0.00	2.50
	Wet Land Farmers (Holdings>2.5 acre)	*Rs 525/HP/Year	0.50
	Dry Land Farmers (Connections>3 nos.)	*Rs 525/HP/Year	0.50
	Wet Land Farmers (Holdings<=2.5 acre)	0.00	0.00
	Dry Land Farmers (Connections<=3nos.)	0.00	0.00
* Equivalent flat rate tariff			

### 1.5.2: L.T-V (B) AGRICULTURAL WITHOUT DSM MEASURES

Category	Purpose	Fixed charges	Energy Charge Rs/kWh
Without DSM measures	Corporate Farmers & IT Assesses	0	3.50
	Wet Land Farmers (Holdings>2.5 acre)	*Rs 1050/HP/Year	1.00
	Dry Land Farmers (Connections>3 nos.)	*Rs 1050/HP/Year	1.00

Wet Land Farmers (Holdings≤2.5 acre)	*Rs 525/HP/Year	0.50
Dry Land Farmers (Connections≤3nos.)	*Rs 525/HP/Year	0.50
* Equivalent flat rate tariff		

Note: For LT lift irrigation schemes, if supply is made beyond 7 hrs. per day, such additional consumption shall be billed @ Rs 3.50 per unit.

### 1.5.3: LT-V(C)-OTHERS

Description	Fixed charges Rs /Month	Energy Charge Rs/kWh
Rural Horticulture Nurseries with Connected Load up to 15HP \$	20/HP	3.70
\$ -Units with connected load more than 15 HP shall be billed under LT Category III - Industrial General tariff		

### 1.6: L.T. CATEGORY-VI STREET LIGHTING AND PWS SCHEMES

#### APPLICABILITY

Applicable for supply of energy for lighting on public roads, streets, thorough fares including parks, markets, cart-stands, taxi stands, bridges and also for PWS schemes in the Local Bodies viz., Panchayats/Municipalities/Municipal Corporations.

Metering is compulsory irrespective of tariff structure.

#### RATES:

##### 1.6.1 LT-VI (A) STREET LIGHTING:

Category	Fixed Charge Rs per month	Energy Charges Rs/kWh
Panchayats	32 per kW	5.70
Municipalities	32 per kW	6-20
Municipal Corporations	32 per kW	6.70



Minimum energy charges		
Panchayats		Rs 2/- per point per month
Municipalities/Corporations		Rs 6/- per point per month

### 1.6.2:LT-VI(B)PWS SCHEMES:

Category	Fixed Charge(Rs/Month)	Energy Charge (Rs /kVAh or kWh)
Panchayats	Rs 32/HP of contracted load subject to a minimum of Rs 50/-	4.60
Municipalities	Rs 32/HP of contracted load subject to a minimum of Rs100/-	5.70
Municipal Corporations	Rs 32/HP of contracted load subject to a minimum of Rs 100/-	6.20

### 1.7L.T.CATEGORY-VII

#### 1.7.1L.T-VII (A)-GENERALPURPOSE

##### APPLICABILITY

Applicable for supply of energy to places of worship like Churches, Temples, Mosques, Gurudwaras, Crematoriums, Government Educational Institutions and Student Hostels run by Government agencies, Charitable Institutions i.e., Public charitable trusts and societies registered under the Societies Registration Act running educational and medical institutions on a no-profit basis, recognized service institutions and registered old age homes.

<b>Rates</b>	
For all the kVAh/kWh Consumed	Rs 6.90 per kVAh/kWh
Fixed Charge	Rs 21/kW per Month
Minimum energy charges	Rs 50 per month for single phase supply
	Rs 150 per month for three phase supply
Note: Tri-vector meters shall be provided for all 10 kW and above services. Energy charges shall be billed on kVAh for all 10 kW & above services. For loads below 10 kW, energy charges shall be billed on kWh basis.	

#### 1.7.2L.T.CATEGORY-VII(B)-RELIGIOUSPLACES

## APPLICABILITY

Applicable for supply of energy to places of worship such as Churches, Temples, Mosques, Gurudwaras and Crematoriums with connected load up to 2 kW. If the connected load is more than 2 kW, the consumers will be billed under LT Category VII (A): General Purpose.

### RATES

For all units of energy	Rs 5.00 /kWh
Fixed charges	Rs 21/kW/Month
Minimum energy charges shall not be levied on LT-VII(B): Religious Places	

## 1.8 L.T. CATEGORY-VIII: TEMPORARY SUPPLY:

### RATES

For all the kVAh/kWh	Rs10.00 per kVAh/kWh
Minimum energy Charges	Rs 125 per kW or part thereof of contracted load for first 30 days or part thereof and Rs 75 per kW or part thereof of contracted load for very subsequent period of 15days or part thereof.
Fixed Charges Rs /month :	21/kW
Note: Trivector meters shall be provided for all 10 kW and above services. Energy charges shall be billed on kVAh for all 10 kW & above services. For loads below 10 kW, energy charges shall be billed on kWh basis.	

## 2. TERMS & CONDITIONS OF LT SUPPLY:

### GENERAL CONDITIONS OF L.T.TARIFF:

1. Fuel Surcharge Adjustment (FSA) is applicable in accordance with the provisions of the Electricity Act, 2003.
2. Up to 3 kW of Contracted Load supply will be extended on single phase only.
3. The Tariffs are exclusive of Electricity duty payable as per the provisions of AP

Electricity Duty Act.

4. The Licensee shall have the right to classify or re-classify the category of supply of energy to any premises under an appropriate category of L.T. Tariff.

5. Additional Charges for belated payment of Bills

#### **ADDITIONAL CHARGES FOR BELATED PAYMENT OF CHARGES**

a) The C.C. bills shall be paid by the consumers within the due date mentioned in the bill, i.e. 15 days from date of the bill.

b) In case of LT- I(A), LT-I(B), LT-II(A) (with Contracted Load upto 1 kW) and LT-IV, if payment is made after due date, the consumers are liable to pay, Delayed Payment Surcharge (DPS) per month on the bill amount at the rates given in table below.

LT - I(A)	Rs 10/month
LT-I(B), LT II (A) with Contracted Load upto 1 kW & LT-IV	Rs 25/month

c) In case of LT - II(A) (having contracted load more than 1 kW), LT- II(B), LT-II( C),LT - III, LT- VI and LT-VII, the Licensee shall levy Delayed Payment Surcharge (DPS) on the bill amount at the rate of 5 paise/Rs100/day calculated from the due date mentioned on the bill, up to the date of payment or Rs 150 whichever is higher. In case of grant of installments, the Licensees shall levy interest at the rate of 18% per annum on the outstanding amounts compounded annually and the two charges (DPS and Interest) shall not be levied at the same time.

d) If the C.C. bills amount is not paid within 15 days from the due date the power supply is liable for disconnection.

e) For re-connection of power supply after disconnection, the consumer has to pay re- connection fees. The re- connection charges shall not be collected without actual disconnection.

### 3 CATEGORY-WISE SPECIFIC CONDITIONS OF L.T.TARIFF

#### (1) LT.CATEGORY-I (DOMESTIC)

a). If electricity supplied in domestic premises is required to be used for non-domestic or commercial purposes, a separate connection should be taken for such loads under L.T. Category-II, failing which the entire supply shall be charged under L.T. Category-II tariff, apart from liability for penal charges as per the terms and conditions of the supply.

b) For common services like Water supply, common lights in corridors and supply for lifts in multistoried buildings, consumers shall be billed electricity charges as follows:

i. At L. T. Category- LT I(B), if the plinth area occupied by the Domestic consumers is 50% or more of the total plinth area.

ii. At L. T. Category-II(B), if the plinth area occupied by the domestic consumers is less than 50% of the total plinth area.

iii. If the service in a flat is for domestic purpose, it will be charged at L.T. Category -I(A) or LT I(B) (Domestic) as applicable. If the service in a flat is for commercial or office use or any other purpose, which does not fall under any L. T. Category-I(A) or I(B) , it will be charged at L.T. Category-II(A) or II(B) Non-Domestic/Commercial as applicable.

c). Single Point LT services released to residential complexes of State Government/Central Government Departments under specific orders of Licensee with Contracted Load/ Connected Load in excess of 56 kW/75HP shall continue to be billed under LT-I (B) Domestic tariff slab rate applicable based on the average monthly energy consumption per each authorized dwelling i.e., total energy consumption in the month divided by the number of such dwelling units, in the respective residential complexes.

The above orders are subject to the following conditions, namely:

i) Orders are applicable to Police Quarters and other State/Central Government residential complexes specifically sanctioned by the Licensee.

ii) Provided that, it is at the request of the designated officer, who shall give an unconditional undertaking that he will pay up the bill for CC charges to the Licensee

irrespective of collection from the individual occupants.

iii) The consumers shall be billed at the appropriate slab rate in tariff based on the average monthly consumption per dwelling unit in the complex.

iv) Meter reading shall be taken monthly in all such cases.

v) Customer charges calculated at corresponding rate applicable slab-wise per month for each dwelling unit shall be billed.

d).Where an individual consumer seeks to avail supply for Domestic purpose with a connected load of over 56 kW/75 HP, such consumers may be given supply under this category subject to the following conditions.

i. The metering shall be provided by the DISCOMs on HT side of the distribution transformer.

ii. Meter reading shall be done monthly and the energy recorded in the HT metering shall be billed at tariff rates under LT category I (B).

## **(2) LT. CATEGORY -II NON-DOMESTIC/ COMMERCIAL**

1. For loads 10 kW and above, a LT tri-vector meter shall be provided and energy charges shall be billed on kVAh.

2. For loads below 10 kW, the billing shall be based on kWh.

3. In respect of the complexes having connected load of more than 56 kW /75HP released under specific orders of Licensee for Single Point Bulk supply, where such complex is under the control of a specified organisation/agency taking responsibility to pay monthly current consumption bills regularly and abide by the Terms and Conditions of supply as per agreement, the billing shall be done at the highest slab tariff rate under LT-II (B). The energy shall be measured on the High Tension side of the transformer. In case, where energy measured on LT side of the transformer, 3% of the recorded energy during the month shall be added to arrive at the consumption on High Tension side of the transformer.

### **(3) LT - III INDUSTRY CATEGORY**

1) The connected load shall not exceed the contracted load specified in the agreement as per sanction accorded for the service. The fixed charges shall be computed based on contracted Load or actual Recorded Demand whichever is higher. For the purpose of billing, 1 kVA shall be treated as being equal to 1 kW.

2) Sugarcane Crushing: Sugar cane crushing operations will be allowed under existing agricultural connections with the specific permission from concerned DE (Operation).

#### **3) Metering and load Conditions**

i. A LT Tri-vector meter shall be provided for the consumers with contracted load of 15 kW/20 HP to 37.5 kW/50 HP.

ii. For loads above 37.5 kW/50 HP to 75 kW/100 HP, the metering will be provided on HT side of the Distribution Transformer.

iii. Energy charges shall be billed on kVAh basis, for all consumers with contracted load of 15 kW/20 HP and above. For loads below 15kW/20 HP, billing shall be done based on kWh.

iv. If the recorded demand of any service connection under this category exceeds the 75 kVA (1 kVA = 1 kW), such excess demand shall be billed at the demand charge prescribed under HT Category-I (11 kV supply).

v. In cases where metering is provided on LT side of transformer (due to space constraints), 3% of the recorded energy during the month shall be added to arrive at the consumption on High Tension side of the transformer.

### **(4) SEASONAL INDUSTRIES**

i. Consumers, classified as seasonal load consumers, who are desirous of availing the seasonal benefits shall specifically declare their season at the time of entering into agreement that their loads should be classified as seasonal loads.

ii. The period of season shall not be less than 4(four) continuous months. However, consumer can declare longer seasonal period as per actuals.

iii. Existing eligible consumers who have not opted earlier for availing of seasonal tariffs

will also be permitted to opt for seasonal tariff on the basis of application to the concerned Divisional Engineer of the Licensee.

iv. Consumer, who desires to have a change in the period classified as "season" declared by him shall file a declaration at least a month before commencement of the respective tariff year.

v. The seasonal period once notified cannot be changed, during one Tariff year.

vi. The off-season tariff is not available to composite units having seasonal and other categories of loads.

vii. Any consumer who after declaring the period of season consumes power for his main plant during the off-season period, shall not be entitled to this concession during that tariff year.

viii. Development charges as applicable to regular LT consumers shall be paid by the consumers for availing supply under the above said category with seasonal benefits. Consumers who have paid the development charges already as regular consumers need not pay the development charges.

ix. Energy charges shall be billed on kVAh for all 15 kW & above services. For all loads below 15 kW, energy charges shall be billed on kWh.

#### **(5) LT CATEGORY-V: AGRICULTURE**

i. Agricultural consumers are permitted to use one lamp of 15 watts or three lamps of 5 watts each, near the main switch as pilot lamps.

ii. Supply to the L.T. Agricultural services will be suitably regulated as notified by Licensee from time to time.

iii. The Farmers eligible for free supply under Dry Land as well as Wet Lands have to comply with the following Demand Side Management measures (DSM) as applicable for his pumping system viz., submersible and surface pump sets in which they shall not be eligible for free supply.

iv. DSM measures include frictionless foot valve, capacitor of adequate rating, HDPE or RPVC piping at suction and/or delivery and ISI marked mono-block or submersible pump-sets.

v. Farmers in dry land areas shall not be eligible for free supply if they grow Paddy

in second crop.

vi. All new connections shall be given only with DSM measures implemented and with meters.

## **(6) LT-CATEGORY VI: STREET LIGHTING & PWS**

### **LT-VI (A) STREET LIGHTING:**

i. The cost of fittings shall be borne or paid for by Local bodies. The responsibility for maintenance including renewals and replacements rests with the Local bodies viz., Panchayats, Municipalities, Municipal Corporations.

ii. Where the cost of fittings is borne by the Licensee, the first supply of filament lamps, fluorescent tubes, mercury vapour lamps including special type lamps along with their fittings will be made by the Licensee at its cost. In such cases, consumer (Local bodies) will have to pay fixed charges as in column (3) below. However, where the cost of fittings is borne by the consumer but maintenance is done by the Licensee, the consumer will have to pay fixed charges as in Column (4) below:

Sl. No.	Fittings for	Fixed charges Per Month where the cost of fittings is borne by Licensee (Rs)	Fixed charges per month where the cost of fittings is borne by the Local Body but maintenance by Licensee (Rs)
(1)	(2)	(3)	(4)
1	Ordinary Filament Lamp	2	1
2	Fluorescent Lamp 40 W Single Fixture	7	4
3	Fluorescent Lamp 40 Double	8	4
4	M.V. Lamps80 W Fixture	12	6
5	M.V. Lamps125 W Fixture	15	8
6	M.V. Lamps250 W Fixture	45	23
7	M.V. Lamps400 W Fixture	50	25



- iii. The replacement of filament lamps, fluorescent tubes, mercury vapour and other special type of lamps will be done by the Local Body at its cost. However, in urban areas till such time the Municipalities and Corporations make their own arrangements for such replacements the Licensee may, if the consumer so desires, carry out the replacement provided the Local Body supplies the lamps and tubes. The consumer will in such cases be billed labour charges at the rate of Rs2 per replacement. However, in Rural areas, such replacement of bulbs supplied by the Local Body will be made by the Licensee without collecting labour charges. For this purpose the area coming under Gram Panchayat shall constitute 'Rural Area'.
- iv. Additional charges: Every local body shall pay an additional charge equivalent to any tax or fee levied by it under the provisions of any law including the Corporation Act, District Municipalities Act or Gram Panchayat Act on the poles, lines, transformers and other installations through which the local body receives supply.

#### **(7) LT-CATEGORY- VIII: TEMPORARY SUPPLY**

(1) Temporary supply can be given on the request of a consumer initially for a period up to 12 months as per the tariff applicable under the Temporary supply category. In case, the consumer requests for further extension, the same can be extended for another 12 months with the same tariff as applicable to Temporary supply category. After the expiry of 24 months, the consumer is at liberty to seek further extension provided, the consumer pays twice the regular tariff (i.e. the corresponding category) or the consumer has the choice of availing of regular supply.

(2) Requests for temporary supply of energy cannot be considered unless there is a clear notice of at least one week in the case of domestic and three months in case of other types of supply. If supply is required at short notice, in addition to the charges mentioned below, an urgency charge, as specified in clause V (h) is also to be paid.

(3) Estimated cost of the works means the cost of works for making necessary arrangements for supplying energy including the cost of distribution lines, switchgear, metering equipment, etc., as may be worked out on the basis of standards and norms prescribed by the Licensee, from time to time plus cost of dismantling the lines and

other works when the supply is no more required less the cost of retrievable material.

(4). (a) Estimated cost of the works as mentioned in Para (3) above shall be paid by the consumer in advance. After the works are dismantled and retrievable materials returned to stores, a bill for the actual amount payable by the consumer shall be prepared and the difference would be collected from or refunded to the consumer, as the case may be. No development charges shall be collected for temporary supply.

(b) In addition to the aforesaid charges payable by consumers availing temporary supply, they shall pay hire charges at 2% on cost of retrievable material per month or part thereof, for the duration of temporary supply. These charges will be claimed along with the consumption bills.

(5). (a) The consumer requiring supply on temporary basis shall be required to deposit in advance, in addition to the estimated cost of works mentioned in 4(a), the estimated consumption charges at the rate stipulated in Tariff Order for Temporary supply, and worked out on the basis for use of electricity by the consumer for 6 hours per day for a period of 2 months in case the supply is required for more than 10 days. If the period of temporary supply is for 10 days or less, the advance consumption charges for the actual period requisitioned shall be paid.

(b) The Bill for electricity consumed in any month shall be prepared at the tariff applicable plus hire charges as mentioned in 4(b) above. The consumers have to pay monthly CC charges regularly during the period of availing temporary supply and the estimated energy consumption deposit shall be adjusted with the last month consumption and the balance if any shall be refunded.

(c) In the case of consumers requiring temporary supply for the purposes of Cinema, the estimated energy charges for a minimum period of 3 months shall have to be deposited by the consumer subject to the condition that the consumer shall pay every month energy and other miscellaneous charges for the preceding month and the amount deposited by him in advance shall be adjusted with the last month consumption and the balance amount shall be refunded.

(d) In the event of estimated energy charges deposited by the consumer having been found insufficient, the consumer shall deposit such additional amount, as may be demanded by the Licensee failing which the Licensee may discontinue the supply of electricity.

(6). Estimated cost of works and estimated energy charges

These charges shall be paid in advance by the consumer in accordance with the procedure prescribed above.

(7). Regular consumers requiring temporary additional supply

In cases where consumers availing regular supply of energy require additional supply for temporary period, the additional supply shall be given as a temporary service under a separate connection and charged as such in accordance with the above procedure.

#### 4 OTHER CHARGES IN L.T.

##### I. SERVICE CONNECTION CHARGES

The service connection charges shall be collected as per the Regulations issued by the Commission from time to time. Service connection wires for L.T. Category - V Irrigation and Agricultural purposes shall be laid collecting an amount of Rs 25/- per HP of contracted load towards service connection charges.

##### II. RECONNECTIONS

(a)Low Tension Services.	
LT - I(A)	Rs 25
Overhead LT Services	Rs 75
U.G. Services	Rs 200

##### III. TESTING

(a) Installations	LT
The first test and inspection of a new installation or of an extension to an existing installation.	Nil
Charges payable by the consumer in advance for each subsequent test and/or inspection if found necessary owing to any fault in the installation or to non-compliance of the conditions of supply	Rs 20
(b)Meters	LT
A.C. Single Phase Energy meter	Rs100
A.C. Three Phase Energy meter	Rs 300
LT Tri Vector meter	Rs2000

##### IV. Service Calls

(a)Charges for attendance of Fuseman for Low Tension Consumers	
i) Replacing of Licensee's cut out fuses	Nil
ii) Replacing of consumer's fuses	Rs 3/-
(b)Charges for attendance of Fuseman/Wireman at the consumer's premises during any function or temporary illumination provided a Fuse man/ Wireman can be spared for such work	Rs 100/- for each day or part thereof.
(c) Charges for infructuous visit of Licensee employees to the consumer's premises	Rs 25/- for each visit when there is no defect in Licensee's equipment

## V. MISCELLANEOUS CHARGES

(a)Application Registration Fees	
(i)For LT Agricultural & Domestic	Rs 25
(ii)For all other LT Categories	Rs 50
(b)Revision of estimates	Rs 10
(c )Fee for re-rating of consumer's installation at the request of the consumer. This does not include the additional charges payable by the consumer for increasing his connected load in excess of the contracted load, as provided in General Terms and conditions of supply.	Rs 20
(d)Resealing of	
(i)L.T. Meter Cut outs in the consumer's Premises	Rs 5
(ii)M.D. Indicator meters and other apparatus in the consumer's premises. For all other LT Categories	Rs 100
The aforesaid charges do not include the additional charges payable by the consumer for breaking the seals	
(e)For changing meter only at the request of the consumer (where it is not necessitated by increase in demand permanently)	Rs 25

(f)For changing or moving a meter board	Actual cost of material and labour plus 25% supervision charges on cost of materials and labour
(g)Customer Charges	
Consumer Category	Rs /month
LT-I Domestic (Units/month)	
0 - 50	25
51 - 100	30
101 - 200	35
201 - 300	40
>300	45
LT-II Non- Domestic Commercial (Units/month)	
0-50	30
51-100	35
>100	40
LT-II(C) Advertising Hoardings	45

LT-III Industry upto 20 HP	50
LT-III Industry 21 -50 HP	200
LT-III Industry 51 - 100 HP	750
LT-VII - General Purpose	40
LT-VIII-Temporary Supply	40
All other LT categories	30
(h)Urgency charges for temporary supply at short notice	Rs 100
(i) Special rates chargeable for theft/pilferage and malpractice cases as per the General Terms and Conditions of Supply (GTCS) approved by the Commission from time to time.	
(j)Supervision/Inspection & checking charges	
For LT I(A) Domestic	Rs 100
For LT I(B) Domestic	Rs 100
LT Agricultural	Rs 100
For all other LT Categories	Rs 100

## VI. MISCELLANEOUS WORKS IN L.T.

The charges for any work which the Licensee may be required to undertake for the

consumer and which is not included in the foregoing schedule, shall be the actual cost of labour and material plus 25% on cost of labour and material to cover overhead charges. The aforesaid charges shall be paid by the consumer in advance.

## **VII. POWER FACTOR APPARATUS AND CAPACITOR SURCHARGE FOR L.T.**

- (1) Every LT consumers not provided with tri-vector meters, except LT-I Domestic, using induction motors and/or welding transformers shall install shunt capacitors of the rating specified by the Licensees in the General Terms and Conditions of supply (GTCS) approved by the Commission from time to time. In case the rated capacity of the induction motor or welding transformer falls in between the steps of the stipulated ratings, the capacitors suitable for the next higher step shall be installed by the consumer.
- (2) The failure on part of the consumer with the above requirement shall be treated as violation of the terms and conditions of supply and the Licensee can terminate the contract and collect the sum equivalent to the minimum charges for the balance initial period of agreement, apart from disconnection of supply as provided in the General Terms and Conditions of Supply.
- (3) In the case of LT consumers (except LT Domestic, LT - IV , LT VI (A) , LT - VII(B)) not covered by kVAh billing, if during inspection, no capacitor is found, or the capacitors already installed are found damaged or having defect or ceased to function, such consumer shall be liable to pay capacitor surcharge@ 25% of the monthly bill amount, as per the terms and conditions of supply notified by the licensee and Licensees shall not levy LPF surcharge.
- (4) LT consumers, except LT-I Domestic, who are provided with metering capable of measuring active and reactive power under the orders of the Commission, shall maintain their power factor preferably in between 0.95 lag and 0.95 lead in the interest of the system security. The consumers should not maintain the power factor on leading side less than 0.95. If any consumer maintain the power factor less than 0.95 lead for a period of 2 consecutive months, it must be brought back in the range of + or - 0.95 within a period of 3 months failing which without prejudice to such other rights as having accrued to the licensee or any other right of the Licensee the supply to

the consumer may be discontinued. However, for the purpose of kVAh billing leading kVAh shall be blocked.

## **PART B**

### **5: H.T. TARIFFS**

These tariffs are applicable for supply of Electricity to H.T. Consumers, having loads with a contracted demand of 70 kVA and above and/or having a contracted load exceeding 56 kW/75 HP excluding LT - III industrial categories. For LT-III Industrial category having contracted load more than 100 HP, the HT tariffs are applicable.

#### **5.1: H.T.CATEGORY-I (INDUSTRY) APPLICABILITY**

This tariff is applicable for supply to all H.T. consumers using electricity for industrial purpose. Industrial purpose shall mean manufacturing, processing and/or preserving goods for sale, but shall not include shops, Business Houses, Offices, Public Buildings, Hospitals, Hotels, Hostels, Choultries, Restaurants, Clubs, Theatres, Cinemas, Printing Presses, Photo Studios, Research & Development Institutions, Airports, Bus Stations, Railway Stations and other similar premises (The enumeration above is illustrative but not exhaustive) not withstanding any manufacturing, processing or preserving goods for sale.

This tariff will also apply to;

- i. Water Works & Sewerage Pumping Stations operated by Government Departments or Co-operative Societies and pump sets of Railways, pumping of water by industries as subsidiary function and sewerage pumping stations operated by local bodies.
- ii. Workshops, flour mills, oil mills, saw mills, Ice candy, Ice manufacturing units with or without sale outlets.
- iii. The Information Technology (IT) units identified and approved by the Consultative Committee on IT Industry (CCITI) constituted by GoTS.
- iv. Newspaper printing units.
- v. Poultry Farming.

vi. Pisciculture and Prawn culture units.

### 5.1.1: HT - I (A) INDUSTRY - GENERAL

DEMAND CHARGES & ENERGY CHARGES		
Voltage of Supply	Rs/kVA/month of Billing Demand	Energy Charges Rs/ kVAh*
132 kV and above	370	5.10
33 kV	370	5.60
11 kV	370	6.00
*Rs1.00/kVAh Time of Day Tariff is leviable on energy consumption during the period from 06:00 PM to 10:00 PM, in addition to the normal energy charges at respective voltages.		

### 5.1.1(i): HT - I (A) INDUSTRY -GENERAL- POULTRY FARMS:

DEMAND CHARGES & ENERGY CHARGES		
Voltage of Supply	Rs/kVA/month of Billing Demand	Energy Charges Rs/ kVAh*
33 kV	370	3.60
11 kV	370	4.00
*Rs1.00/kVAh Time of Day Tariff is leviable on energy consumption during the period from 06:00 PM to 10:00 PM, in addition to the normal energy charges at respective voltages.		

### 5.1.2:HT-I(B)FERROALLOYUNITS

DEMAND CHARGES & ENERGY CHARGES		
Voltage of Supply	Demand Charges Rs/kVA/month of Billing Demand	Energy Charges Rs /kVAh
132 kV and above	Nil	4.80
33 kV	Nil	5.30
11 kV	Nil	5.70

### 5.1.3: Colony Consumption

a) The consumption of energy exclusively for the residential colony/ township in a month, separately metered with meters installed by the consumer and tested and sealed by the Licensee shall be billed at Rs6.00 per kVAh.



b) In case segregation of colony consumption has not been done, 15% of the total energy consumption shall be billed at Rs 6.00 per kVAh and the balance kVAh shall be charged at the corresponding energy tariff under HT category -I(A).

c) Wherever possible colonies of Industry shall be given a separate HT service under HT Category-VI: Townships and Residential Colonies.

#### 5.1.4: Rates for Seasonal Industries coming under HT-I (A)

Where a consumer avails supply of energy for manufacture of sugar or ice or salt, decorticating, ginning and pressing, cotton seed oil mills, seed processing, fruit processing, tobacco processing and re-drying and for such other industries or processes as may be approved by the Commission from time to time principally during certain seasons or limited periods in the tariff year and his main plant is regularly closed down during certain months, he shall be charged for the months during which the plant is shut down (which period shall be referred to as the off-season period) as follows under H.T. Category-II rates.

DEMAND CHARGES & ENERGY CHARGES FOR OFF SEASON TARIFF		
Voltage of Supply	Demand Charges Rs/kVA /month of Billing Demand #	Energy Charges Rs /kVAh
132 kV and above	370	6.40
33 kV	370	6.60
11 kV	370	7.30
#Based on the Recorded Maximum Demand or 30% of the Contracted Demand whichever is higher		

#### 5.2: H.T. CATEGORY-II: OTHERS

##### APPLICABILITY

This tariff is applicable to all H.T. Consumers other than those covered under HT Categories I and III to VII:

DEMAND CHARGES & ENERGY CHARGES		
Voltage of Supply	Demand Charges Rs/kVA/month of Billing Demand	Energy Charges Rs/kVAh *
132 kV and above	370	6.40
33 kV	370	6.60

11 kV	370	7.30
* Rs 1.00/ kVAh Time of Day Tariff is leviable on energy consumption during the period from 06:00 PM to 10:00 PM , in addition to the normal energy charges at respective voltages		

**Note:**

In respect of Government controlled Auditoriums and Theatres run by public charitable institutions for purpose of propagation of art and culture which are not let out with a profit motive and in respect of other Public Charitable Institutions rendering totally free service to the general public, the overall kVAh rate (including customer charges) may be limited to the tariff rates under L.T. Category-VII General purpose, in specific cases as decided by the Licensee.

**5.3: H.T. CATEGORY-III:**

This tariff is applicable to Airports, Railway stations and Bus stations.

DEMAND CHARGES & ENERGY CHARGES		
Voltage of Supply	Demand Charges Rs/kVA/ month of Billing Demand	Energy Charges Rs/kVAh *
132 kV and above	370	6.00
33 kV	370	6.40
11 kV	370	7.00

\* Rs 1.00/ kVAh Time of Day (ToD) Tariff is leviable on energy consumption during the period from 06:00 PM to 10:00 PM, in addition to the normal energy charges at respective voltages.

**5.4: H.T CATEGORY-IV IRRIGATION & CPWS**

**5.4.1: H.T-IV (A): LIFT IRRIGATION AND AGRICULTURE**

This tariff is applicable to lift irrigation schemes managed by Government of T.S and for consumers availing H.T. supply for Irrigation and Agricultural purposes.

**ENERGY CHARGES:**

For all kVAh consumed during the month – Rs 5.70/kVAh

#### **5.4.2: H.T-IV (B) - COMPOSITE PROTECTED WATER SUPPLY SCHEMES**

##### **APPLICABILITY**

This tariff is applicable to energy consumption by HT services pertaining to Composite Protected Water Supply (PWS) schemes in rural areas. The composite PWS schemes shall be as defined and modified by the Commission from time to time.

Energy Charges	Rs 4.60/kVAh
Minimum Charges	Rs 300/kVA/Year

#### **5.5: H.T. CATEGORY-V - RAILWAY TRACTION**

##### **APPLICABILITY**

This tariff is applicable to all H.T. Railway Traction Loads.

**DEMAND CHARGES - Nil**

##### **ENERGY CHARGES**

For all kVAh units consumed: Rs 6.80/kVAh

#### **5.6: HT CATEGORY-VI-TOWNSHIPS AND RESIDENTIAL COLONIES**

##### **APPLICABILITY**

This tariff is applicable exclusively for (i) Townships and Residential colonies of Cooperative group housing societies who own the premises and avail supply at single point for making electricity available to the members of such society residing in the same premises at HT, (ii) any person who avails supply at single point at HT for making electricity available to his employees residing in contiguous premises, the supply in all cases being only for domestic purposes, such as lighting, fans, heating etc., provided that the connected load for common facilities such as non-domestic supply in residential area, street lighting and water supply etc., shall be within the limits specified hereunder:

Water Supply & Sewerage and Street Light put together	10% of total connected load
Non-domestic/Commercial& General purpose put together	10% of total connected load

DEMAND CHARGES & ENERGY CHARGES		
Voltage of Supply	Demand Charges Rs/kVA/month of Billing Demand	Energy Charges Rs/kVAh
All voltages	53	6.00

## 5.7 HT CATEGORY -VII - GREEN POWER

### APPLICABILITY

Green Power Tariff is applicable to all consumers who wish to avail of power from non-conventional sources of energy voluntarily, and show their support to an environmental cause.

Energy Charges : Rs 8.50 /kVAh

Notes:

- i. The Tariff shall be an optional Tariff
- ii. A consumer shall be entitled to Renewable Energy Certificates (RECs) as may be admissible

## 5.8: HT CATEGORY - TEMPORARY

DEMAND CHARGES & ENERGY CHARGES		
Voltage of Supply	Demand Charges Rs/kVA/month of Billing Demand	Energy Charges Rs/kVAh
132 kV and above	1.5 Times of the Tariff of Corresponding HT Consumer Category	
33kV		
11kV		

## 5.9: RURAL ELECTRIC CO-OPERATIVE SOCIETIES

DEMAND CHARGES & ENERGY CHARGES
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Voltage of Supply	Demand Charges Rs/kVA/ month of Billing Demand	Energy Charges Rs /kWh
Sircilla	Nil	0.91

1. Resco, being a Licensee, shall, as far as possible maintain a power factor of +/-0.95 at its drawal points.
2. No penal charges shall be made applicable.
3. Customer charge is not applicable.

## 6 H.T. SUPPLY- GENERAL CONDITIONS:

(1) Fuel Surcharge Adjustment (FSA) is applicable in accordance with the provisions of the Electricity Act, 2003.

(2) The tariffs are exclusive of Electricity duty payable as per the provisions of AP Electricity Duty Act

(3) Voltage of Supply

The voltage at which supply has to be availed by:

(i). HT consumers, seeking to avail supply on common feeders shall be:

For Total Contracted Demand with the Licensee and all other sources.

Upto 1500 kVA 11 kV

1501 kVA to 5000kVA 33 kV

Above 5000 kVA 132 kV or 220 kV as may be  
decided by Licensee

(ii). HT Consumers seeking to avail supply through independent feeders from the substations where transformation to required voltage takes place shall be:

For total contracted Demand with the licensees and all other sources.

Upto 2500 kVA 11 kV

2501 kVA to 10,000 kVA 33 kV

Above 10000 kVA 132 kV or 220 kV as may be  
decided by Licensee

The relaxations are subject to the fulfillment of following conditions:

- i. The consumer should have an exclusive dedicated feeder from the substation where transformation to required voltage takes place.
- ii. The consumer shall pay full cost of the service line including take off arrangements at substation;
- iii. In case of HT - I, HT - II and HT - III consumer categories, for whom the voltage wise tariff is applicable, the Licensee shall levy the tariff as per the actual supply voltage.

#### **(4). Voltage Surcharge**

H.T. consumers who are now getting supply at voltage different from the declared voltages and who want to continue taking supply at the same voltage will be charged as per the rates indicated below:

Sl. No	Contracted Demand with Licensee and other sources (in kVA)	Voltage at which Supply should be availed (in kV)	Voltage at which consumer is availing supply (in kV)	Rates % extra over the normal rates	
				Demand Charges	Energy Charges
<b>(A) For HT Consumers availing supply through common feeders</b>					
1.	1501 to 5000	33	11	12%	10%
2.	Above 5000	132 or 220	66 or Below	12%	10%
<b>(B) For HT Consumers availing supply through independent feeders</b>					
1	2501 to 10000	33	11	12%	10%
2	Above 10000	132 or 220	66 or Below	12%	10%

#### **NOTE:**

In case of consumers who are having supply arrangements from one or more than one sources, the RMD or CMD with the Licensee and other sources, whichever is higher, shall be the basis for levying voltage surcharge.

#### **(5). MAXIMUM DEMAND**

The maximum demand of supply of electricity to a consumer during a month shall be twice the largest number of kilo-volt- ampere hours (kVAh) delivered at the point of supply to the consumer during any consecutive 30 minutes in the month. However, for the consumers having contracted demand above 4000 kVA the maximum demand shall be four times the largest number of kilo-volt-ampere-hours (kVAh) delivered at the point of supply to the consumer during any consecutive 15minutes in the month.

**(6). BILLING DEMAND**

The billing demand shall be the maximum demand recorded during the month or 80% of the contracted demand whichever is higher, except HT-VI category i.e., Townships & Residential Colonies. For HT-VI category the minimum billing condition of 80% of the contracted demand shall not be applicable.

**(7). MONTHLY MINIMUM CHARGES**

Every consumer whether he consumes energy or not shall pay monthly minimum charges calculated on the billing demand plus energy charges specified for each category in this part to cover the cost of a part of the fixed charges of the Licensee.

**(8). ADDITIONAL CHARGES FOR MAXIMUM DEMAND IN EXCESS OF THE CONTRACTED DEMAND:**

In case, in any month the Recorded Maximum Demand (RMD) of the consumer exceeds his Contracted Demand with the Licensee, the consumer shall pay the following charges on excess demand recorded and on the entire energy consumed.

Provided further this clause shall not apply to a consumer who is attracted with voltage surcharge as per clause (4) above.

<b>RMD over CMD</b>	<b>Demand Charges on Excess Demand</b>	<b>Energy Charges on full Energy</b>
100 to 120 %	2 times of normal charge	Normal
Above 120 % and up to 200 %	2 times of normal charge	1.15 times of normal charge
More than 200%	2 times of normal charge	1.20 times of normal charge

In case of Category-HT-V (Railway Traction), the energy charges shall be computed at 1.05 times of normal charges on the entire consumption, if RMD exceeds 120% of Contracted Demand.

**(9). ADDITIONAL CHARGES FOR BELATED PAYMENT OF CHARGES**

The Licensees shall charge the Delayed Payment Surcharge (DPS) per month on the bill amount at the rate of 5paise/Rs 100/day or Rs 550 whichever is higher. In case of grant of installments, the Licensee shall levy interest at the rate of 18% per annum on the outstanding amounts, compounded annually and the two charges shall not be levied at the same time.

**(10). CUSTOMER CHARGES**

Every HT consumer shall pay customer charges as applicable to them, in addition to demand and energy charges billed.

**(11). MAINTENANCE OF POWER FACTOR AT CONSUMER END**

HT consumers, who are provided with metering capable of measuring active and reactive power under the orders of the Commission, shall maintain their power factor preferably in between 0.95 lag and 0.95 lead in the interest of the system security. The consumers should not maintain the power factor on leading side less than 0.95. If any consumer maintain the power factor less than 0.95lead for a period of 2 consecutive months, it must be brought back in the range of +or -0.95 within a period of 3 months failing which without prejudice to such other rights as having accrued to the licensee or any other right of the Licensee the supply to the consumer may be discontinued. However, for the purpose of kVAh billing leading kVArh shall be blocked.

**7 H.T. SUPPLY SPECIFIC CONDITIONS**

**(1) H.T-I (A)-INDUSTRY - GENERAL**

- i. The billing demand shall be the maximum demand recorded during the month



or 80% of the contracted demand whichever is higher.

ii. Energy charges will be billed on the basis of actual energy consumption or 50kVAh per kVA of billing demand whichever is higher.

### **(2) H.T-I (B)-FERRO ALLOY UNITS**

Guaranteed energy off-take at 6701 kVAh per kVA per annum on Average Contracted Maximum Demand or Average Actual Demand whichever is higher. The energy falling short of 6701 kVAh per kVA per annum will be billed as deemed consumption.

### **(3) H.T INDUSTRY: SEASONAL INDUSTRIES**

i. Consumers, classified as seasonal load consumers, who are desirous of availing the seasonal benefits shall specifically declare their season at the time of entering into agreement that their loads should be classified as seasonal loads.

ii. The period of season shall not be less than 4(four) continuous months. However, consumer can declare longer seasonal period as per actual.

iii. Consumer, who desires to have a change in the period classified as "season" declared by him, shall file a declaration at least a month before commencement of the respective tariff year.

iv. Existing eligible consumers who have not opted earlier for seasonal tariffs will also be permitted to opt for seasonal tariff on the basis of application to the concerned Divisional Engineer of the Licensee.

v. The seasonal period once notified cannot be changed, during one Tariff year.

vi. The off-season tariff is not available to composite units having seasonal and other categories of loads.

vii. The off-season tariff is also not available for such of those units who have captive generation exclusively for process during season and who avail supply from Licensee for miscellaneous loads and other non-process loads.

viii. Any consumer who after declaring the period of season consumes power for his main plant during the off-season period, shall not be entitled to this concession during that year.

ix. Development charges as applicable to regular HT consumers shall be paid by the

consumers for availing supply under the above said category with seasonal benefits. Consumers who have paid the development charges already as regular consumers need not pay the development charges.

#### **(4) HT CATEGORY-II - OTHERS**

- i. The billing demand shall be the maximum demand recorded during the month or 80% of the contracted demand, whichever is higher.
- ii. Energy charges will be billed on the basis of actual Energy consumption or 25kVAh per kVA of Billing Demand, whichever is higher.

#### **(5) HT-CATEGORY III - AIRPORTS, RAILWAY STATIONS AND BUS STATIONS:**

- i. The billing demand shall be the maximum demand recorded during the month or 80% of the contracted demand whichever is higher.
- ii. Energy charges will be billed on the basis of actual energy consumption or 50kVAh per kVA of billing demand whichever is higher.

#### **(6) HT-IV- LIFT IRRIGATION, AGRICULTURE AND CPWS**

The metering is mandatory for this category i.e, H.T- IV A & H.T- IVB.

#### **(7) HT-CATEGORY V-RAILWAY TRACTION**

Energy charges will be billed on the basis of actual energy Consumption or 32 kVAh per month per kVA of Contracted Demand whichever is higher.

#### **(8) HT CATEGORY -VI - TOWNSHIPS AND RESIDENTIAL COLONIES**

- i. The billing demand shall be the recorded maximum demand during the month.
- ii. Energy Charges will be billed on the basis of actual consumption or 25kVAh per kVA of Contracted Demand, whichever is higher.
- iii. The above provisions shall not in any way affect the right of a person residing in

the housing unit sold or leased by such Cooperative Group Housing Society, to demand supply of electricity directly from the distribution licensee of the area.

#### **(9) TEMPORARY SUPPLY AT HT**

1. (i) Temporary supply can be given on the request of a consumer initially for a period up to 12 months as per the tariff applicable under the Temporary supply category. In case, the consumer requests for further extension, the same can be extended for another 12 months with the same tariff as applicable to Temporary supply category. After the expiry of 24 months, the consumer is at liberty to seek further extension provided, the consumer pays twice the regular tariff or the consumer has the choice of availing of regular supply.

(ii) The billing demand for Temporary supply shall be contracted demand or recorded maximum demand registered during the month whichever is higher.

2. Requests for temporary supply of energy cannot be considered unless there is a clear notice of at least one week in the case of domestic and three months in case of other types of supply. If supply is required at a short notice, in addition to the charges mentioned below, an urgency charge, as specified in clause V (h) above is also to be paid.

3. Estimated cost of the works means the cost of works for making necessary arrangements for supplying energy including the cost of distribution lines, switchgear, metering equipment, etc., as may be worked out on the basis of standards and norms prescribed by the Licensee, from time to time plus cost of dismantling the lines and other works when the supply is no more required less the cost of retrievable material.

4. (a) Estimated cost of the works as mentioned in Para (3) above shall be paid by the consumer in advance. After the works are dismantled and retrievable materials returned to stores, a bill for the actual amount payable by the consumer shall be prepared and the difference would be collected from or refunded to the consumer, as the case may be. No development charges shall be collected for temporary supply.

(b) In addition to the aforesaid charges payable by consumers availing temporary supply, they shall pay hire charges at 2% on cost of retrievable material per month or

part thereof, for the duration of temporary supply. These charges will be claimed along with the consumption bills.

5. (a) The consumer requiring supply on temporary basis shall be required to deposit in advance, in addition to the estimated cost of works mentioned in 4(a), the estimated consumption charges at the rate stipulated in Tariff Order for Temporary supply, and worked out on the basis for use of electricity by the consumer for 6 hours per day for a period of 2 months in case the supply is required for more than 10 days. If the period of temporary supply is for 10 days or less, the advance consumption charges for the actual period requisitioned shall be paid.

(b) The Bill for electricity consumed in any month shall be prepared at the tariff applicable plus hire charges as mentioned in 4(b) above. The consumers have to pay monthly CC charges regularly during the period of availing temporary supply and the estimated energy consumption deposit shall be adjusted with the last month consumption and the balance if any shall be refunded.

(c) In the case of consumers requiring temporary supply for the purposes of Cinema, the estimated energy charges for a minimum period of 3 months shall have to be deposited by the consumer subject to the condition that the consumer shall pay every month energy and other miscellaneous charges for the preceding month and the amount deposited by him in advance shall be adjusted with the last month consumption and the balance amount shall be refunded.

(d) In the event of estimated energy charges deposited by the consumer having been found insufficient, the consumer shall deposit such additional amount, as may be demanded by the Licensee failing which the Licensee may discontinue the supply of electricity.

6. Existing consumers requiring temporary supply or temporary increase in supply: If any consumer availing regular supply of electricity at High Tension requires an additional supply of electricity at the same point for a temporary period, the temporary additional supply shall be treated as a separate service and charged as per clause 1 above of H.T Temporary supply, subject to the following conditions.

a. The contracted demand of the temporary supply shall be the billing demand for that service. The recorded demand for the regular service shall be arrived at by

deducting the billing demand for the temporary supply from the maximum demand recorded in the month.

b. The total energy consumed in a month including that relating to temporary additional supply, shall be apportioned between the regular and temporary supply in proportion to the respective billing demands.

## 7. OTHER CHARGES FOR H.T.

### I. SERVICE CONNECTION CHARGES

The service connection charges shall be collected as per the Regulations issued by the Commission from time to time.

### II. RECONNECTIONS

High Tension Services	Charges
11 kV	Rs 1000
33 kV	Rs 2000
132/220 kV	Rs 3000

### III. TESTING

(a)Installations	Charges
The first test and inspection of a new installation or of an extension to an existing installation.	Nil
Charges payable by the consumer in advance for each subsequent test and/or inspection if found necessary owing to any fault in the installation or to non-compliance of the conditions of supply	Rs 200
(b)HT Meters	Rs 3000
(c)Transformer Oils	
For each sample of oil	Rs 150

### IV. MISCELLANEOUS CHARGES

(a) Application Registration Fees	Rs 100
(b)For changing meter only at the request of the consumer (where it is not necessitated by increase in demand permanently)	Rs 100

(c)For changing or moving a meter board	Actual cost of material and labour plus 25% supervision charges on cost of materials and labour
(d)Customer Charges	
HT consumer categories upto 33 kV	Rs 1125/month
HT consumer categories above 33 kV	Rs 2250/month
(e)Urgency charges for temporary supply at short notice	Rs100
(f)Special rates chargeable for theft/pilferage and malpractice cases	As per the General Terms and Conditions of Supply (GTCS) approved by the Commission from time to time.
(g)Supervision/Inspection & checking charges	Rs 600

#### V. MISCELLANEOUS WORKS IN H.T.

The charges for any work which the Licensee may be required to undertake for the consumer and which is not included in the foregoing schedule, shall be the actual cost of labour and material plus 25% on cost of labour and material to cover overhead charges. The aforesaid charges shall be paid by the consumer in advance.

6.5.2 The abstract of the tariff rates determined above, together with the terms & conditions governing the same is enclosed at Annexure A.

6.5.3 The rates indicated in the Retail Supply Tariff Schedule for FY 2015-16, together with the terms and conditions prescribed there under shall be applicable in the areas of operation of two Distribution Companies viz., Southern Power Distribution Company of T.S. Limited (TSSPDCL), Northern Power Distribution Company of T.S. Limited (TSNPDCL) and Rural Electric Co-operative Society, Sircilla for FY2015-16 w.e.f 01-04-2015 to 31-03-2016.

This Order is signed on this 27<sup>th</sup> March, 2015

**Sd/-**  
(L. MANOHAR REDDY)  
MEMBER

**Sd/-**  
(H.SRINIVASULU)  
MEMBER

**Sd/-**  
(ISMAIL ALI KHAN)  
CHAIRMAN

**ANNEXURE - A**

**RETAIL SUPPLY TARIFF RATES**

(Applicable with effect from 01-04-2015 to 31-03-2016 in respect of the two Distribution Licensees(TSSPDCL & TSNPDCL) in the State of Telangana and the Rural Electrical Supply Co-Operative society, Sircilla in the State)

Consumer Category	Energy	Fixed/Demand Charge	Energy Charge
	Unit	(Rs./Month)	(Rs./Unit)
<b>LT-I: DOMESTIC (Telescopic)</b>			
<b>LT-I(A): Upto 50 Units/Month</b>	kWh		1.45
<b>LT-I(B): Above 50 Units/Month</b>			
<b>LT-I (B) (i) More than 50 &amp; up to 100 Units/Month</b>			
First 50	kWh		1.45
51-100	kWh		2.60
<b>LT-I (B) (ii) More than 100 &amp; up to 200 Units/Month</b>			
First 100	kWh		2.60
101-200	kWh		3.60
<b>LT-I (B) (iii) More than 200 Units/Month</b>			
First 50	kWh		2.60
51-100	kWh		3.25
101-150	kWh		4.90
151-200	kWh		5.65
201-250	kWh		6.80
251-300	kWh		7.30
301-400	kWh		7.80
Above 400	kWh		8.50
<b>LT-II: NON-DOMESTIC/COMMERCIAL</b>			
<b>LT-II(A): Upto 50 Units/Month</b>	kWh/kVAh	50/kW	5.40
<b>LT-II(B): Above 50 Units/Month</b>			
First 50	kWh/kVAh	50/kW	6.60
51-100	kWh/kVA	53/kW	7.80

Consumer Category	Energy	Fixed/Demand Charge	Energy Charge
	Unit	(Rs./Month)	(Rs./Unit)
	h		
101-300	kWh/kVAh	53/kW	8.60
301-500	kWh/kVAh	53/kW	9.10
Above 500	kWh/kVAh	53/kW	9.70
<b>LT-II(C): ADVERTISEMENT HOARDINGS</b>	kWh/kVAh	53/kW	11.70
<b>LT-III: INDUSTRY</b>			
Industries	kWh/kVAh	53/kW	6.40
Seasonal Industries (off season)	kWh/kVAh	53/kW	7.10
Pisciculture/Prawn culture	kWh/kVAh	21/kW	4.90
Sugarcane crushing	kWh/kVAh	21/kW	4.90
Poultry farms	kWh/kVAh	50/kW	3.60
Mushroom & Rabbit Farms	kWh/kVAh	53/kW	6.00
Floriculture in Green House	kWh/kVAh	53/kW	6.00
<b>LT-IV: COTTAGE INDUSTRIES</b>			
Cottage Industries	kWh	20/kW	3.75
Agro Based Activity	kWh	20/kW	3.75
<b>LT-V: AGRICULTURE</b>			
<b>LT-V(A): AGRICULTURE WITH DSM MEASURES</b>			
Corporate Farmers & IT Assesses	kWh		2.50
Wet Land Farmers (Holdings >2.5 acre)	kWh	525/HP *	0.50
Dry Land Farmers (Connections > 3 nos.)	kWh	525/HP *	0.50
Wet Land Farmers (Holdings <= 2.5 acre)	kWh		0.00
Dry Land Farmers (Connections <= 3 nos.)	kWh		0.00
<b>LT-V(B): AGRICULTURE WITHOUT DSM MEASURES</b>			



Consumer Category	Energy	Fixed/Demand Charge	Energy Charge
	Unit	(Rs./Month)	(Rs./Unit)
Corporate Farmers & IT Assesses	kWh		3.50
Wet Land Farmers (Holdings >2.5 acre)	kWh	1050/HP *	1.00
Dry Land Farmers (Connections > 3 nos.)	kWh	1050/HP *	1.00
Wet Land Farmers (Holdings <= 2.5 acre)	kWh	525/HP *	0.50
Dry Land Farmers (Connections <= 3 nos.)	kWh	525/HP *	0.50
<i>* Equivalent flat rate tariff per Year</i>			
<b>LT-V(C): OTHERS</b>			
Salt farming units with CL upto 15 HP	kWh	20/HP	3.70
Rural Horticulture Nurseries	kWh	20/HP	3.70
<b>LT-VI: STREET LIGHTING AND PWS</b>			
<b>LT-VI(A): STREET LIGHTING</b>			
Panchayats	kWh	32/kW	5.70
Municipalities	kWh	32/kW	6.20
Municipal Corporations	kWh	32/kW	6.70
<b>LT-VI(B): PWS SCHEMES</b>			
Panchayats	kWh/kVAh	32/HP	4.60
Municipalities	kWh/kVAh	32/HP	5.70
Municipal Corporations	kWh/kVAh	32/HP	6.20
<b>LT-VII: GENERAL</b>			
<b>LT-VII(A): GENERAL PURPOSE</b>			
	kWh/kVAh	21/kW	6.90
<b>LT-VII(B): RELIGIOUS PLACES</b>			
	kWh	21/kW	5.00
<b>LT-VIII: TEMPORARY SUPPLY</b>			
	kWh/kVAh	21/kW	10.00
<b>HT-I: INDUSTRY</b>			
<b>HT-I(A): GENERAL</b>			
11 kV	kVAh	370/kVA	6.00
33 kV	kVAh	370/kVA	5.60
132 kV & Above	kVAh	370/kVA	5.10
<b>LIGHTS AND FANS</b>			
11 kV	kVAh		6.00
33 kV	kVAh		5.60
132 kV & Above	kVAh		5.10

Consumer Category	Energy	Fixed/Demand Charge	Energy Charge
	Unit	(Rs./Month)	(Rs./Unit)
<b>POULTRY FARMS</b>			
11 kV	kVAh	370/kVA	4.00
33 kV	kVAh	370/kVA	3.60
<b>INDUSTRIAL COLONIES</b>			
11 kV	kVAh		6.00
33 kV	kVAh		6.00
132 kV & Above	kVAh		6.00
<b>SEASONAL INDUSTRIES</b>			
11 kV	kVAh	370/kVA	7.30
33 kV	kVAh	370/kVA	6.60
132 kV & Above	kVAh	370/kVA	6.40
<b>TIME OF DAY TARIFFS(6 PM to 10 PM)</b>			
11 kV	kVAh		7.00
33 kV	kVAh		6.60
132 kV & Above	kVAh		6.10
<b>HT-I(B): FERRO ALLOY UNITS</b>			
11 kV	kVAh		5.70
33 kV	kVAh		5.30
132 kV & Above	kVAh		4.80
<b>HT-II: OTHERS</b>			
11 kV	kVAh	370/kVA	7.30
33 kV	kVAh	370/kVA	6.60
132 kV & Above	kVAh	370/kVA	6.40
<b>TIME OF DAY TARIFFS(6 PM to 10 PM)</b>			
11 kV	kVAh		8.30
33 kV	kVAh		7.60
132 kV & Above	kVAh		7.40
<b>HT-III: AIRPORTS,BUS STATIONS AND RAILWAY STATIONS</b>			
11 kV	kVAh	370/kVA	7.00
33 kV	kVAh	370/kVA	6.40
132 kV & Above	kVAh	370/kVA	6.00
<b>TIME OF DAY TARIFFS(6 PM to 10 PM)</b>			
11 kV	kVAh		8.00

Consumer Category	Energy	Fixed/Demand Charge	Energy Charge
	Unit	(Rs./Month)	(Rs./Unit)
33 kV	kVAh		7.40
132 kV & Above	kVAh		7.00
<b>HT-IV: IRRIGATION, AGRICULTURE AND CPWS</b>			
Government LIS & Agriculture	kVAh		5.70
CPWS	kVAh		4.60
<b>HT-V: RAILWAY TRACTION</b>			
HT-VI: TOWNSHIPS AND RESIDENTIAL COLONIES	kVAh	53/kVA	6.00
<b>HT-VII: GREEN POWER</b>			
	kVAh		8.50
<b>HT-VIII: TEMPORARY</b>			
		1.5 times of corresponding HT category	
<b>RURAL ELECTRIC CO-OPERATIVES</b>			
Sircilla	kWh		0.91

*\*\* The above determined rates for LT-I Domestic, LT-III Industry Poultry farms, LT-V Agriculture and HT-I(A) Industry (General)- Poultry Farms are contingent on payment of subsidy as agreed by the GoTS, failing which, the rates contained in the full cost recovery tariff schedule will become operative.*

## **TERMS AND CONDITIONS**

- Fuel Surcharge Adjustment (FSA) is applicable in accordance with the provisions of the Electricity Act, 2003.
  - The Tariffs are exclusive of Electricity duty payable as per the provisions of AP Electricity Duty Act
- a) **Voltage Surcharge**

H.T. consumers who are now getting supply at voltage different from the declared

voltages and who want to continue taking supply at the same voltage will be charged as per the rates indicated below:

Sl. No.	Contracted Demand with Licensee and other Sources (in kVA)	Voltage at which Supply should be availed (in kV)	Voltage at which consumer is availing supply (in kV)	Rates % extra over the normal rates	
				Demand Charges	Energy Charges
<b>(A) For HT Consumers availing supply through common feeders</b>					
1	1501 to 5000	33	11	12%	10%
2	Above 5000	132 or 220	66 or Below	12%	10%
<b>(B) For HT Consumers availing supply through independent feeders</b>					
1	2501 to 10000	33	11	12%	10%
2	Above 10000	132 or 220	66 or Below	12%	10%

**Note:**

In case of consumers who are having supply arrangements from one or more sources, the RMD or CMD with the Licensee and other sources, whichever is higher, shall be the basis for levying voltage surcharge.

**b) Additional charges for exceeding Contracted Demand**

In case, in any month the Recorded Maximum Demand (RMD) of the consumer exceeds his Contracted Demand with the Licensee, the consumer shall pay the following charges on excess demand recorded and on the entire energy consumed.

Provided further this clause shall not apply to a consumer who is attracted with voltage surcharge as per clause (a) above.

RMD over CMD	Demand Charges on Excess Demand	Energy Charges On full Energy
100 to 120 %	2 times of normal charge	Normal
Above 120 % and up to 200 %	2 times of normal charge	1.15 times of normal charge
More than 200%	2 times of normal charge	1.20 times of normal charge
<b>In case of Category-HT-V (Railway Traction), the energy charges shall be computed at 1.05 times of normal charges on the entire consumption, if RMD exceeds 120% of Contracted Demand</b>		

**c) Minimum Charges**

Category No. Name of Category	Rates for the year 2015-16
LT categories	

Category No. Name of Category		Rates for the year 2015-16	
I(A)	Domestic	<b>Contracted load of 1000 watts and below</b>	
		<i>Single Phase</i>	Rs.25/Month
I(B)		<b>Contracted load of above 1000 watts</b>	
		<i>Single Phase</i>	Rs.50/Month
		<i>Three Phase</i>	Rs.150/Month
II (A)&(B)	Non-domestic/ Commercial	<i>Single Phase</i>	Rs.65/Month
		<i>Three Phase</i>	Rs.200/Month
II (C)		Advertisement Hoardings	Rs.300/Month
VI (A)	Street Lighting	Panchayats	Rs.2/Point/Month
		Municipalities and Corporations	Rs.6/Point/Month
VII (A)	General Purpose	<i>Single Phase</i>	Rs.50/Month
		<i>Three Phase</i>	Rs.150/Month
VIII	Temporary Supply	Rs.125/kW or part thereof of contracted load for first 30 days or part thereof and Rs.75 per kW or part thereof of contracted load for every subsequent period of 15 days or part thereof.	
<b>HT Categories</b>			
Billing demand		Billing demand shall be maximum demand recorded during the month or 80% of contracted demand whichever is higher except HT-VI (i.e. Township and Residential Colonies, for this category the billing demand is Actual Demand Recorded)	
<b>Minimum Energy Charges</b>			
I(A)	Industry-General	50 kVAh/kVA of billing demand per month	
I(B)	Ferro Alloy Units	Maximum Demand or Average Actual Demand whichever is higher. The energy falling short of 6701 kVAh per kVA per annum will be billed as deemed consumption	
II	Others	25 kVAh/kVA of billing demand per month	
III	Airports, Bus Stations & Railway Stations	50 kVAh/kVA of billing demand per month	
V	Railway Traction	32 kVAh /kVA of Contracted demand/ month	
VI	Townships and Residential Colonies	Billing demand shall be Actual Recorded demand. 25 Units/kVA of contracted demand/ month	

d) **Customer Charges**

Consumer Category	Rs./month
LT-I(A) & I(B) Domestic	

0 - 50	25
51 - 100	30
101 - 200	35
201 - 300	40
>300	45
<b>LT-II(A) &amp; II(B) Non-Domestic/Commercial</b>	
0-50	30
51-100	35
>100	40
LT-II(C) Advertisement Hoardings	45
LT-III Industry upto 20 HP	50
LT-III Industry 21 - 50 HP	200
LT-III Industry 51 - 100 HP	750
LT-VII General Purpose	40
LT-VIII Temporary Supply	40
All other LT categories	30
HT consumer categories upto 33 kV	1125
HT consumer categories above 33 kV	2250

**e) Delayed Payment Surcharge (DPS)**

**LT category:**

- a. In case of LT- I(A), LT-I(B), LT-II(A) and LT-IV, if payment is made after due date, the consumers are liable to pay, Delayed Payment Surcharge (DPS) per month on the bill amount at the rates given in table below.

LT - I(A)	Rs.10/month
LT-I(B), LT II (A) with a contracted load up to 1 kW, LT-IV	Rs.25/month

- b. In case of LT II (A)(having contracted load more than 1 kW), **LT- II(B), LT- II( C), LT- III, LT- VI and LT-VII**, the Licensee shall levy Delayed Payment Surcharge (DPS) on the bill amount at the rate of 5 paise/Rs.100/day calculated from the due date mentioned on the bill, up to the date of payment or Rs.150 whichever is higher. In case of grant of installments, the Licensees shall levy interest at the rate of 18% per annum on the outstanding amounts compounded annually and the two (DPS and Interest) shall not be levied at the same time.

**HT category:**

- c. The Licensees shall charge the Delayed Payment Surcharge (DPS) per month on the bill amount at the rate of 5 paise/Rs.100/day or Rs.550 whichever is higher. In case of grant of installments, the Licensee shall levy interest at the rate of 18% per annum on the outstanding amounts, compounded annually and the two shall not be levied at the same time.

**f) Reconnection Charges**

<b>i) Low Tension Services.</b>	
LT - I(A)	Rs.25
<b>For all other LT services</b>	
Overhead Services	Rs.75
U.G. Services	Rs.200
<b>ii) High Tension Services</b>	
11 kV	Rs.1000
33 kV	Rs.2000
132 kV & Above	Rs.3000

**g) Testing Charges**

<b>i) Installations</b>	<b>LT</b>	<b>HT</b>
The first test and inspection of a new installation or of an extension to an existing installation.	Nil	Nil
Charges payable by the consumer in advance for each subsequent test and/or inspection if found necessary owing to any fault in the installation or to non-compliance of the conditions of supply.	Rs.20	Rs.200
<b>ii) Meters</b>	<b>LT</b>	<b>HT</b>
A.C. Single Phase Energy meter	Rs.100	
A.C. Three Phase Energy meter	Rs.300	
LT Tri Vector meter	Rs.2000	
11 kV		Rs.3000
33 kV		Rs.3000
132 kV		Rs.3000
220 kV & Above		Rs.3000
<b>iii) Transformer Oils</b>		
Each sample of oil	Rs.150/-per sample	

**h) Supervision/Inspection & checking charges**

For LT I(A) Domestic	Rs.100
For LT I(B) Domestic	Rs.100

LT Agriculture	Rs.100
For all other LT Categories	Rs.100
For all HT Categories	Rs.600

**i) Low Power Factor Charges**

For all consumer categories where kVAh billing is done, no Low Power Factor surcharge shall be levied.

**j) Capacitor Surcharge**

LT consumers (except LT-I Domestic) having connected loads mentioned in table below shall pay capacitor surcharge (as per rules in vogue) at the rate of 25% of the billed amount, if capacitors are found defunct .

Category	Connected Load
LT II & LT VII (A)	<10 kW
LT III & LT VI (B)	<20 HP

**k) Fixed Charges - Seasonal Industry**

LT III: Rs.50/HP/Month on 30% of contracted load.

HT: Demand Charges - 30% of CMD or recorded demand whichever is higher.

l) Temporary Supply for LT and HT consumers: Temporary supply can be given on the request of a consumer initially for a period up to 12 months as per the tariff applicable under the Temporary supply category. In case, the consumer requests for further extension, the same can be extended for another 12 months with the same tariff as applicable to Temporary supply category. After the expiry of 24 months, the consumer is at liberty to seek further extension provided, the consumer pays twice the regular tariff or the consumer has the choice of availing of regular supply.



## **CHAPTER-7**

### **7. DIRECTIVES TO LICENSEES**

#### **7.1 CHECKING OF MRI DATA**

TSNPDCL is directed to examine the substation wise MRI dumps of sample DTR meter readings on the number of supply hours given. The MRI dumps shall be reviewed every month in order to avoid the disparity if any.

#### **7.2 SHORT TERM PURCHASES**

The Discoms are directed to take the prior approval to verify the transparent process of the procurement, under RTC.

The Distribution licensees are directed to follow the guidelines issued by the Government of India u/s 63 of the Electricity Act, 2003 or the guidelines of Commission i.e., web based competitive procurement, for all purchases from Short Term Sources.”

Further, in case of procurement on emergency basis, the Discoms are directed to submit the details of methodology followed, along with source-wise price of procurement.

#### **7.3 PROCUREMENT OF POWER FROM TPCIL**

TS Discoms are directed to justify the difference in rates between AP Discoms, on purchase of power from TPCIL. Further, TPCIL has preponed the commencement of supply to Discoms to 1st April 2015. Financial implication of preponment, if any, compared to PPA terms, whether it is desirable and beneficial, in view of binding contractual obligations on the Discoms to purchase surplus short-term power or pay penalty, if any, for non-purchase, should be justified.

#### **7.4 IMPORTED COAL**

The Discoms are directed to verify whether APGENCO is procuring imported coal through competitive bidding process, or under any guidelines issued in this regard by GoI, before admitting the Station wise power purchase bills claimed by APGENCO. Regarding NTPC Stations, DISCOMs have to take-up the pricing issue of imported coal, if any, with CERC.

## **7.5 QUALITY OF DOMESTIC COAL**

The Discoms are directed to “appoint independent coal auditors to ensure that the coal of agreed quality and price as per fuel supply agreement (FSA) is used for generation of power at all coal based Thermal Power Stations. Before making final payment such audit reports should be verified by the concerned officers of the DISCOMs”.

TSGENCO is also directed to adopt proper sampling technique both at sending and receiving end for coal supply from each source separately keeping in view the importance of coal audit as directed to DISCOMs.

## **7.6 BUY OUT PRICE OF GVK-1 AND LANCO KONDAPALLY**

The Licensees are directed to submit the complete details of Buy Out Price for GVK-1 and LANCO Kondapally for approval of the Commission.

## **7.7 TRUE UP PROPOSALS**

The Discoms (TSSPDCL and TSNPDCL) are directed to file the true up proposals of Distribution Business for both control periods (i.e., 1<sup>st</sup> Control Period and 2<sup>nd</sup> Control Period) after segregating the assets and liabilities of Anantapur and Kurnool districts from APCPDCL and seven mandals of APNPDCL in line with AP Reorganisation Act, 2014, as per prevailing Regulation.

## **7.8 METERING OF AGRICULTURAL DTRS**

The Discoms are directed to chalk out the timeline program and submit to the Commission for approval for installation of meters to all the agricultural DTRs in order to compute the metered agricultural consumption and losses in the system. In the meantime, for assessing the agricultural consumption based on ISI methodology, provide additional meters to new sample DTRs instead of shifting of the existing sample DTR meters to the new sample DTRs, as said in the ISI methodology.

## **7.9 T&D LOSSES**

The Discoms are directed to take stringent action to reduce the losses duly spending investment approved for this purpose. The Discoms are directed to examine possibility of franchising the high loss feeders, to curb the commercial losses, before making claim that the actual losses are more than the approved losses.

## **7.10 SUBMISSION OF TARIFF PROPOSALS**

The Discoms are directed to submit the ARR and Tariff proposals in time i.e. by 30th November of current year in order to make the Tariff Order effective from 1st April of the next year.

## **7.11 DAMAGED WIRES**

The Discoms shall pay special attention in replacing the damaged wires in the entire Licensees' area and furnish month wise status report on number of locations identified and number of locations rectified during the month along with the balance pending. All the locations shall be rectified by 30th September, 2015.

### **7.12 REPLACEMENT OF FUSES IN AGRICULTURE DTRS**

The Discoms are directed to ensure that the field staff, to whom cell phone service (SIM card) are given, are attending to the fuse off calls within time, on the receipt of calls from farmer over phone. For ensuring the same, registering the time of call, and to confirm the action taken from the consumer is required. For achieving this, the Licensee may examine on usage of advanced IT solutions. The Licensee may examine other alternate approach to achieve the above objective such as creating a central monitoring team to ensure that the field staff is responding properly to the farmers' fuse off calls. The action taken in this regard shall be intimated within 2 months.

### **7.13 SUMMARY OF TARIFF FILINGS IN TELUGU**

The Discoms shall ensure that the Summary of Tariff Filings and ARR are brought in Telugu language and make available to the interested persons and shall be uploaded on their websites from next year Tariff filings.

### **7.14 TRANSPORTATION OF FAILED TRANSFORMERS**

The Discoms shall ensure that the transportation of failed transformers is done at the cost of Discoms. In case, vehicle provided to sub-division, for this purpose, is unable to meet the requirement, replacement of failed DTRs should be done by hiring a private vehicle for this purpose only.

## **7.15 SEGREGATION OF LOADS IN AIRPORTS**

The Commission directs the Licensee (TSSPDCL) to see that the aviation activity loads and non-aviation activity loads are segregated by the consumer (GMR International Airport at Hyderabad) at the Discom metering point itself so as to have separate metering for both categories of loads. This work shall be completed by not later than 30<sup>th</sup>September, 2015. In the next year ARR filing, the cost of service of aviation activity shall be indicated duly conducting the necessary study on load pattern of aviation activity. In the meanwhile the interim report on the action taken shall be presented by end of June 2015.

## **7.16 DIRECTIVE ON RESOLVING THE PROBLEMS FACED BY RURAL AREA CONSUMERS**

- a) The Discoms are directed to examine the possibility of establishing operational crew consisting of two or three staff with vehicle and spare parts, to attend rectification of defects in AB switches of substations, DTR structures, carrying the minor repairs to the transformers at site, etc. in rural areas, to improve the quality of supply and to avoid problems faced by rural consumers.
- b) The Discoms are directed to ensure that the staff members including all cadre of officers shall reside at the place of posting so as to make them easily accessible to the consumers and quarterly report ensuring the same shall be furnished.

## **7.17 UNAUTHORIZED AGRICULTURE LOADS**

The Discoms are directed to take necessary steps for removal/ regularization of un-authorized agricultural services.

# ANNEXURE - I PUBLIC NOTICE IN ENGLISH

**BEFORE THE HONOURABLE TELANGANA STATE ELECTRICITY REGULATORY COMMISSION (TSERC)**  
D.No. 11-4-660, 5<sup>th</sup> Floor, Singareni Bhavan, Red Hills, HYDERABAD - 500 004.

**SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED (TSSPDCL)**

**PUBLIC NOTICE**

1. Notice is hereby given to all that the Distribution Company viz. Southern Power Distribution Company of Telangana Limited (TSSPDCL) holding Distribution and Retail Supply License No. 13/2006, has, on 07-02-2015, filed before the Telangana State Electricity Regulatory Commission (TSERC) the Aggregate Revenue Requirement (ARR) & Tariff proposals for the Retail Supply business for the FY 2015-16. These filings have been taken on record by the Hon'ble Commission in O.P. No. 76 of 2015.

2. Copies of the filings and proposals referred are available in the Office of the Chief General Manager (Commercial & RAC) at Hyderabad (TSSPDCL, Ground Floor, Mint compound, Hyderabad-500063) and the Superintending Engineer, Operation circles of the distribution company at Hyderabad (North), Hyderabad (South), Hyderabad (Central), Rangareddy (North), Rangareddy (South), Rangareddy (East), Mahabub Nagar, Sangli Reddy and Nalgonda.

3. Interested persons may inspect/peruse the said filings of ARR and Tariff proposals and take note thereof during office hours at any of the said offices free of cost. These proposals are also available on www.southernpower.com and the same may be accessed at www.tserc.gov.in. A copy of these filings can be obtained from the above offices from 11.02.2015 onwards on payment of Rs.200/- for Retail Supply filings (by cash). Also a summary of ARR and Tariff proposals in English or Telugu can be separately obtained on payment of Rs.10/- (by cash).

4. Objections/suggestions if any, on the ARR filings and Tariff/Charges proposed by the Distribution Company, together with supporting material may be sent to the Chief General Manager (commercial & RAC) TSSPDCL, Ground Floor, Mint compound, Hyderabad-500063 in person or through Registered Post so as to reach on or before 07-03-2015 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 and postal address of the person(s) sending the objections/suggestions. If the objections/suggestions are filed on behalf of any organization or any category of consumers, it should be clearly mentioned. If the objector also wants to be heard in person it may also be specifically mentioned. The Objection/Suggestion should accompany the following statement as an affidavit:

Name & full address of the Objector	Brief details of Objection(s)/Suggestion(s)	Objections against Tariff proposals of TSSPDCL	Whether copy of objection & proof of delivery at Licensee's office enclosed (Yes/No)	Whether Objector wants to be heard in person (Yes/No)
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5. Telangana State Electricity Regulatory Commission intends to conduct a Public Hearing as scheduled below from 10.30 hrs onwards.

Sl. No.	Name of Licensee	Place of Public hearing*	Scheduled date of Public Hearing	Particulars	Timings
1	TSSPDCL	Hyderabad	13.03.2015 (Friday)	For all consumers/take holders except industrial, commercial and Railways	10.30 hrs to 13.30 hrs
2	TSSPDCL	Hyderabad	14.03.2015 (Saturday)	For all consumers/take holders under industrial, commercial and Railways	14.30 hrs to 17.00 hrs

\* The exact venue/location of Public Hearing will be placed in website www.tserc.gov.in one week before its scheduled date.

6. The Tariffs and Charges for Retail Supply to consumers proposed by the Discom for FY 2015-16 are indicated in the Schedule-I below.

**CHAIRMAN & MANAGING DIRECTOR**  
SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED

Date : 11.02.2015  
Place : Hyderabad

**NORTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED (TSNPDCIL)**

**PUBLIC NOTICE**

1. Notice is hereby given to all that the Distribution Company viz. Northern Power Distribution Company of Telangana Limited (TSNPDCIL) holding Distribution and Retail Supply License No. 14/2006, has, on 07-02-2015, filed before the Telangana State Electricity Regulatory Commission (TSERC) the Aggregate Revenue Requirement (ARR) & Tariff proposals for the Retail Supply business for the FY 2015-16. These filings have been taken on record by the Hon'ble Commission in O.P. No. 77 of 2015.

2. Copies of the filings and proposals referred are available in the Office of the Chief General Manager (IPC & RAC) at Warangal (TSNPDCIL, H.No. 2-5-31/2, Vidyalayam, Nakkalagutta, Hanamkonda -506001) and the Superintending Engineer, Operation circles of the distribution company at Warangal, Karmnagar, Khammam, Nazamabad and Adilabad.

3. Interested persons may inspect/peruse the said filings of ARR and Tariff proposals and take note thereof during office hours at any of the said offices free of cost. These proposals are also available on www.npdcil.in and the same may be accessed at www.tserc.gov.in. A copy of these filings can be obtained from the above offices from 11.02.2015 onwards on payment of Rs.200/- for Retail Supply filings (by cash). Also a summary of ARR and Tariff proposals in English or Telugu can be separately obtained on payment of Rs.10/- (by cash).

4. Objections/suggestions if any, on the ARR filings and Tariff/Charges proposed by the Distribution Company, together with supporting material may be sent to the Chief General Manager (IPC & RAC) H.No. 2-5-31/2, Vidyalayam, Nakkalagutta, Hanamkonda -506001 in person or through Registered Post so as to reach on or before 07-03-2015 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 and postal address of the person(s) sending the objections/suggestions. If the objections/suggestions are filed on behalf of any organization or any category of consumers, it should be clearly mentioned. If the objector also wants to be heard in person it may also be specifically mentioned. The Objection/Suggestion should accompany the following statement as an affidavit:

Name & full address of the Objector	Brief details of Objection(s)/Suggestion(s)	Objections against Tariff proposals of TSNPDCIL	Whether copy of objection & proof of delivery at Licensee's office enclosed (Yes/No)	Whether Objector wants to be heard in person (Yes/No)
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5. Telangana State Electricity Regulatory Commission intends to conduct a Public Hearing as scheduled below from 10.30 hrs onwards.

Sl. No.	Name of Licensee	Place of Public hearing *	Scheduled date of Public Hearing	Timings
1	TSNPDCIL	Warangal	12.03.2015 (Thursday)	10.30 hrs to 13.30 hrs & 14.30 hrs to 17.00 hrs

\* The exact venue/location of Public Hearing will be placed in website www.tserc.gov.in one week before its scheduled date.

6. The Tariffs and Charges for Retail Supply to consumers proposed by the Discom for FY 2015-16 are indicated in the Schedule-I below.

**CHAIRMAN & MANAGING DIRECTOR**  
NORTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED

Date : 11.02.2015  
Place : Warangal

**SCHEDULE-I**

"Proposed Aggregate Revenue Requirement"		Floriiculture in Green House		132 kV & Above		kVAh		6.01		
DISCOM	Rs. Crores	kWh/kVAh	52.92/Kw	5.95	SEASONAL INDUSTRIES					
TSSPDCL	18674.82	kWh	21.17kW	3.97	11 kV		kVAh	370.17kVA		
TSNPDCIL	7598.95	kWh	21.17kW	3.97	33 kV		kVAh	370.17kVA		
State Total	26473.77	LTV-V-COTTAGE INDUSTRIES		132 kV & Above		kVAh	370.17kVA		6.38	
Retail Supply Tariff/Charges to various consumers (LT & HT) under retail supply business for FY 2015-16.		LTV-V-AGRICULTURE		TIME OF DAY TARIFFS(6 PM to 10 PM)		11 kV		kVAh	7.00	
Consumer Category	Energy Unit	Proposed Tariff	Corporate Farmers & IT Assessors		11 kV		kVAh	6.55		
			Wet Land Farmers (Holdings >2.5 acre)		132 kV & Above		kVAh	6.12		
LT-I DOMESTIC	kWh	0.00	Dry Land Farmers (connections > 3 Nos.)		HT-II(B) FERRO ALLOY UNITS		11 kV		5.72	
			Wet Land Farmers (holdings <=2.5 acre)		33 kV		kVAh	5.27		
LT-I (A) Up to 50 Units/Month		1.45	Corporate Farmers & IT Assessors		132 kV & Above		kVAh	4.84		
First 50		1.45	Wet Land Farmers (Holdings >2.5 acre)		HT-II-OTHERS		11 kV		7.30	
51-100		2.60	Dry Land Farmers (connections > 3 Nos.)		33 kV		kVAh	6.64		
LT-I (B) Above 50 Units and upto 100 units/Month		0.00	Wet Land Farmers (holdings <=2.5 acre)		132 kV & Above		kVAh	6.38		
First 50		2.70	Dry Land Farmers (connections <=3 Nos.)		TIME OF DAY TARIFFS(6 PM to 10 PM)		11 kV		8.30	
51-100		2.70	Salt farming units up to 15HP		11 kV		kVAh	7.64		
101-150		3.75	Rural Horticulture Nurseries up to 15HP		132 kV & Above		kVAh	7.38		
151-200		3.75	LT-VI (C) : OTHERS		HT-III-AIRPORTS, BUS STATIONS AND RAILWAY STATIONS		11 kV		7.96	
LT-I (D) Above 200 Units/month		0.00	LT-VI (A) : STREET LIGHTING		33 kV		kVAh	6.36		
First 50		2.75	Panchayats		132 kV & Above		kVAh	6.05		
51-100		3.44	Municipalities		TIME OF DAY TARIFFS(6 PM to 10 PM)		11 kV		7.96	
101-150		5.16	Municipal Corporations		11 kV		kVAh	7.36		
151-200		5.95	LT-VI (B) : PWS SCHEMES		33 kV		kVAh	7.05		
201-250		6.75	Panchayats		132 kV & Above		kVAh	5.68		
251-300		7.28	Municipalities		HT-IV (A) Government US & Agriculture		kVAh		4.64	
301-400		7.60	Municipal Corporations		HT-IV (B) CPWS		kVAh		7.65	
401-500		8.33	LT-VII (A) : GENERAL PURPOSE		HT-V RAILWAY TRACTION		kVAh		6.01	
Above 500		8.86	LT-VII (B) : RELIGIOUS PLACES		HT-VI Townships & Residential Colonies		kVAh		11.40	
LT-II NON DOMESTIC/ COMMERCIAL		52.92/KW	LT-VIII : TEMPORARY SUPPLY		HT-VII GREEN POWER		kVAh		0.91	
LT-II (A) Up to 50 Units/Month	kWh/kVAh	52.92/KW	HT-I (A) : GENERAL		HT-VIII TEMPORARY		kWh		1.5 times of corresponding HT category	
First 50		7.01	11 kV		HT-Resco-Siricilla		kWh		0.91	
51-100		7.80	33 kV		HT-IX (A) Government US & Agriculture		kVAh		4.64	
101-150		8.60	kVAh		HT-IV (B) CPWS		kVAh		7.65	
151-200		9.13	kVAh		HT-V RAILWAY TRACTION		kVAh		6.01	
201-300		9.65	kVAh		HT-VI Townships & Residential Colonies		kVAh		52.92kVA	
301-500		11.66	kVAh		HT-VII GREEN POWER		kVAh		11.40	
LT-II (C) Advertisement Hoardings	kWh/kVAh	52.92/KW	132 kV & Above		HT-VIII TEMPORARY		kWh		1.5 times of corresponding HT category	
LT-III INDUSTRY		52.92/KW	11 kV		HT-Resco-Siricilla		kWh		0.91	
Industrial		6.43	kVAh		HT-IX (A) Government US & Agriculture		kVAh		4.64	
Seasonal Industries (off season)		7.14	kVAh		HT-IV (B) CPWS		kVAh		7.65	
Flori-culture/Prawn culture		4.90	kVAh		HT-V RAILWAY TRACTION		kVAh		6.01	
Sigamene crushing		4.90	kVAh		HT-VI Townships & Residential Colonies		kVAh		52.92kVA	
Poultry farms		5.95	kVAh		HT-VII GREEN POWER		kVAh		11.40	
Mushroom & Rabbit Farms		5.95	kVAh		HT-VIII TEMPORARY		kWh		1.5 times of corresponding HT category	
			33 kV		HT-Resco-Siricilla		kWh		0.91	
			kVAh		HT-IX (A) Government US & Agriculture		kVAh		4.64	
			kVAh		HT-IV (B) CPWS		kVAh		7.65	
			kVAh		HT-V RAILWAY TRACTION		kVAh		6.01	
			kVAh		HT-VI Townships & Residential Colonies		kVAh		52.92kVA	
			kVAh		HT-VII GREEN POWER		kVAh		11.40	
			kVAh		HT-VIII TEMPORARY		kWh		1.5 times of corresponding HT category	
			kVAh		HT-Resco-Siricilla		kWh		0.91	
			kVAh		HT-IX (A) Government US & Agriculture		kVAh		4.64	
			kVAh		HT-IV (B) CPWS		kVAh		7.65	
			kVAh		HT-V RAILWAY TRACTION		kVAh		6.01	
			kVAh		HT-VI Townships & Residential Colonies		kVAh		52.92kVA	
			kVAh		HT-VII GREEN POWER		kVAh		11.40	
			kVAh		HT-VIII TEMPORARY		kWh		1.5 times of corresponding HT category	
			kVAh		HT-Resco-Siricilla		kWh		0.91	
			kVAh		HT-IX (A) Government US & Agriculture		kVAh		4.64	
			kVAh		HT-IV (B) CPWS		kVAh		7.65	
			kVAh		HT-V RAILWAY TRACTION		kVAh		6.01	
			kVAh		HT-VI Townships & Residential Colonies		kVAh		52.92kVA	
			kVAh		HT-VII GREEN POWER		kVAh		11.40	
			kVAh		HT-VIII TEMPORARY		kWh		1.5 times of corresponding HT category	
			kVAh		HT-Resco-Siricilla		kWh		0.91	
			kVAh		HT-IX (A) Government US & Agriculture		kVAh		4.64	
			kVAh		HT-IV (B) CPWS		kVAh		7.65	
			kVAh		HT-V RAILWAY TRACTION		kVAh		6.01	
			kVAh		HT-VI Townships & Residential Colonies		kVAh		52.92kVA	
			kVAh		HT-VII GREEN POWER		kVAh		11.40	
			kVAh		HT-VIII TEMPORARY		kWh		1.5 times of corresponding HT category	
			kVAh		HT-Resco-Siricilla		kWh		0.91	
			kVAh		HT-IX (A) Government US & Agriculture		kVAh		4.64	
			kVAh		HT-IV (B) CPWS		kVAh		7.65	
			kVAh		HT-V RAILWAY TRACTION		kVAh		6.01	
			kVAh		HT-VI Townships & Residential Colonies		kVAh		52.92kVA	
			kVAh		HT-VII GREEN POWER		kVAh		11.40	
			kVAh		HT-VIII TEMPORARY		kWh		1.5 times of corresponding HT category	
			kVAh		HT-Resco-Siricilla		kWh		0.91	
			kVAh		HT-IX (A) Government US & Agriculture		kVAh		4.64	
			kVAh		HT-IV (B) CPWS		kVAh		7.65	
			kVAh		HT-V RAILWAY TRACTION		kVAh		6.01	
			kVAh		HT-VI Townships & Residential Colonies		kVAh		52.92kVA	
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			kVAh		HT-Resco-Siricilla		kWh		0.91	
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			kVAh		HT-IV (B) CPWS		kVAh		7.65	
			kVAh		HT-V RAILWAY TRACTION		kVAh		6.01	
			kVAh		HT-VI Townships & Residential Colonies		kVAh		52.92kVA	
			kVAh		HT-VII GREEN POWER		kVAh		11.40	
			kVAh		HT-VIII TEMPORARY		kWh		1.5 times of corresponding HT category	
			kVAh		HT-Resco-Siricilla		kWh		0.91	
			kVAh		HT-IX (A) Government US & Agriculture		kVAh		4.64	
			kVAh		HT-IV (B) CPWS		kVAh		7.65	
			kVAh		HT-V RAILWAY TRACTION		kVAh		6.01	
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			kVAh		HT-VIII TEMPORARY		kWh		1.5 times of corresponding HT category	
			kVAh		HT-Resco-Siricilla		kWh		0.91	
			kVAh		HT-IX (A) Government US & Agriculture		kVAh		4.64	
			kVAh		HT-IV (B) CPWS		kVAh		7.65	
			kVAh		HT-V RAILWAY TRACTION		kVAh		6.01	
			kVAh		HT-VI Townships & Residential Colonies		kVAh		52.92kVA	
			kVAh		HT-VII GREEN POWER		kVAh		11.40	
			kVAh		HT-VIII TEMPORARY		kWh		1.5 times of corresponding HT category	
			kVAh		HT-Resco-Siricilla		kWh		0.91	
			kVAh		HT-IX (A) Government US & Agriculture		kVAh		4.64	
			kVAh		HT-IV (B) CPWS		kVAh		7.65	
			kVAh		HT-V RAILWAY TRACTION		kVAh		6.01	
			kVAh		HT-VI Townships & Residential Colonies		kVAh		52.92kVA	
			kVAh		HT-VII GREEN POWER		kVAh		11.40	
			kVAh		HT-VIII TEMPORARY		kWh		1.5 times of corresponding HT category	
			kVAh		HT-Resco-Siricilla		kWh		0.91	
			kVAh		HT-IX (A) Government US & Agriculture		kVAh		4.64	
			kVAh		HT-IV (B) CPWS		kVAh		7.65	
			kVAh		HT-V RAILWAY TRACTION		kVAh			



PUBLIC NOTICE IN URDU

بہ اجلاس معزز تلنگانہ اسٹیٹ الیکٹریسیٹی ریگولیٹری کمییشن (TSERC) ڈی نمبر 11-4-660 'پانچویں منزل' سنگارینی ہون ریڈ ہلز، حیدرآباد۔ 500004

مدارن پاور ڈسٹریبیوشن کمپنی آف تلنگانہ لمیٹڈ (TSNPDCL)



سڈرن پاور ڈسٹریبیوشن کمپنی آف تلنگانہ لمیٹڈ (TSSPDCL)

اعلان عام

- 1۔ تمام ممبران کو ریڈ ہلز پاور ڈسٹریبیوشن کمپنی آف تلنگانہ لمیٹڈ (TSNPDCL) اور سڈرن پاور ڈسٹریبیوشن کمپنی آف تلنگانہ لمیٹڈ (TSSPDCL) کے ذریعہ فراہم کی جانے والی بجلی کی قیمتوں میں تبدیلی کے بارے میں اطلاع دینے کے لیے اسٹیٹ الیکٹریسیٹی ریگولیٹری کمییشن (TSERC) کے ذریعہ 07-02-2015ء کو جاری کی گئی ہے۔
- 2۔ اسٹیٹ الیکٹریسیٹی ریگولیٹری کمییشن (TSERC) کے ذریعہ 07-02-2015ء کو جاری کی گئی ہے۔
- 3۔ اسٹیٹ الیکٹریسیٹی ریگولیٹری کمییشن (TSERC) کے ذریعہ 07-02-2015ء کو جاری کی گئی ہے۔
- 4۔ اسٹیٹ الیکٹریسیٹی ریگولیٹری کمییشن (TSERC) کے ذریعہ 07-02-2015ء کو جاری کی گئی ہے۔

اعلان عام

- 1۔ اسٹیٹ الیکٹریسیٹی ریگولیٹری کمییشن (TSERC) کے ذریعہ 07-02-2015ء کو جاری کی گئی ہے۔
- 2۔ اسٹیٹ الیکٹریسیٹی ریگولیٹری کمییشن (TSERC) کے ذریعہ 07-02-2015ء کو جاری کی گئی ہے۔
- 3۔ اسٹیٹ الیکٹریسیٹی ریگولیٹری کمییشن (TSERC) کے ذریعہ 07-02-2015ء کو جاری کی گئی ہے۔
- 4۔ اسٹیٹ الیکٹریسیٹی ریگولیٹری کمییشن (TSERC) کے ذریعہ 07-02-2015ء کو جاری کی گئی ہے۔

اسٹیٹ الیکٹریسیٹی ریگولیٹری کمییشن (TSERC) کے ذریعہ 07-02-2015ء کو جاری کی گئی ہے۔	اسٹیٹ الیکٹریسیٹی ریگولیٹری کمییشن (TSERC) کے ذریعہ 07-02-2015ء کو جاری کی گئی ہے۔	اسٹیٹ الیکٹریسیٹی ریگولیٹری کمییشن (TSERC) کے ذریعہ 07-02-2015ء کو جاری کی گئی ہے۔	اسٹیٹ الیکٹریسیٹی ریگولیٹری کمییشن (TSERC) کے ذریعہ 07-02-2015ء کو جاری کی گئی ہے۔
اسٹیٹ الیکٹریسیٹی ریگولیٹری کمییشن (TSERC) کے ذریعہ 07-02-2015ء کو جاری کی گئی ہے۔	اسٹیٹ الیکٹریسیٹی ریگولیٹری کمییشن (TSERC) کے ذریعہ 07-02-2015ء کو جاری کی گئی ہے۔	اسٹیٹ الیکٹریسیٹی ریگولیٹری کمییشن (TSERC) کے ذریعہ 07-02-2015ء کو جاری کی گئی ہے۔	اسٹیٹ الیکٹریسیٹی ریگولیٹری کمییشن (TSERC) کے ذریعہ 07-02-2015ء کو جاری کی گئی ہے۔

اسٹیٹ الیکٹریسیٹی ریگولیٹری کمییشن (TSERC) کے ذریعہ 07-02-2015ء کو جاری کی گئی ہے۔	اسٹیٹ الیکٹریسیٹی ریگولیٹری کمییشن (TSERC) کے ذریعہ 07-02-2015ء کو جاری کی گئی ہے۔	اسٹیٹ الیکٹریسیٹی ریگولیٹری کمییشن (TSERC) کے ذریعہ 07-02-2015ء کو جاری کی گئی ہے۔	اسٹیٹ الیکٹریسیٹی ریگولیٹری کمییشن (TSERC) کے ذریعہ 07-02-2015ء کو جاری کی گئی ہے۔
اسٹیٹ الیکٹریسیٹی ریگولیٹری کمییشن (TSERC) کے ذریعہ 07-02-2015ء کو جاری کی گئی ہے۔	اسٹیٹ الیکٹریسیٹی ریگولیٹری کمییشن (TSERC) کے ذریعہ 07-02-2015ء کو جاری کی گئی ہے۔	اسٹیٹ الیکٹریسیٹی ریگولیٹری کمییشن (TSERC) کے ذریعہ 07-02-2015ء کو جاری کی گئی ہے۔	اسٹیٹ الیکٹریسیٹی ریگولیٹری کمییشن (TSERC) کے ذریعہ 07-02-2015ء کو جاری کی گئی ہے۔

شیڈیول - 1

Floriculture in Green House	kWh/kVAh	E2.92/Kw	5.95	132 kV & Above	kVAh	6.01
LT-IV: COTTAGE INDUSTRIES	kWh	21.17/kW	3.97	SEASONAL INDUSTRIES	kVAh	7.30
Cottage Industries up to 10 HP	kWh	21.17/kW	3.97	11 kV	kVAh	370.17kVA
Agro Based Activity up to 10 HP	kWh	21.17/kW	3.97	33 kV	kVAh	370.17kVA
LT-V: AGRICULTURE	kWh			132 kV & Above	kVAh	6.38
LT-V (A): AGRICULTURE WITH DSM MEASURES	kWh			TIME OF DAY TARIFFS (6 PM to 10 PM)	kVAh	7.00
Corporate Farmers & IT Assesses	kWh		2.50	11 kV	kVAh	6.55
Wet Land Farmers (Holdings >2.5 acre)	kWh	525/HP/Yr	0.50	33 kV	kVAh	6.12
Dry Land Farmers (connections <= 3 Nos.)	kWh	525/HP/Yr	0.50	132 kV & Above	kVAh	5.72
Wet Land Farmers (Holdings >2.5 acre)	kWh		0.00	HT-(B): FERRO ALLOY UNITS	kVAh	5.27
Dry Land Farmers (connections <= 3 Nos.)	kWh		0.00	11 kV	kVAh	4.84
Corporate Farmers & IT Assesses	kWh		3.50	132 kV & Above	kVAh	4.64
Wet Land Farmers (Holdings >2.5 acre)	kWh	1050/HP/Yr	1.00	HT-(C) OTHERS	kVAh	7.30
Dry Land Farmers (connections <= 3 Nos.)	kWh	1050/HP/Yr	1.00	11 kV	kVAh	6.64
Wet Land Farmers (Holdings >2.5 acre)	kWh	525/HP/Yr	0.50	33 kV	kVAh	6.38
Dry Land Farmers (connections <= 3 Nos.)	kWh	525/HP/Yr	0.50	132 kV & Above	kVAh	6.30
LT-V (C) : OTHERS	kWh			TIME OF DAY TARIFFS (6 PM to 10 PM)	kVAh	6.80
Salt farming units up to 15HP	kWh	20/HP	3.70	11 kV	kVAh	7.64
Rural Horticulture Nurseries up to 15HP	kWh	20/HP	3.70	33 kV	kVAh	7.38
LT-VI : STREET LIGHTING AND PWS	kWh			132 kV & Above	kVAh	6.05
LT-VI (A) : STREET LIGHTING	kWh			HT-III: AIRPORTS, BUS STATIONS AND RAILWAY STATIONS	kVAh	6.96
Panchayats	kWh	31.75/kW	5.68	11 kV	kVAh	6.36
Municipalities	kWh	31.75/kW	6.21	33 kV	kVAh	6.05
Municipal Corporations	kWh	31.75/kW	6.74	132 kV & Above	kVAh	6.05
LT-VI (B) : PWS SCHEMES	kWh			TIME OF DAY TARIFFS (6 PM to 10 PM)	kVAh	7.96
Panchayats	kWh/kVAh	31.75/HP	4.62	11 kV	kVAh	7.38
Municipalities	kWh/kVAh	31.75/HP	5.68	33 kV	kVAh	7.05
Municipal Corporations	kWh/kVAh	31.75/HP	6.21	132 kV & Above	kVAh	5.08
LT-VII : GENERAL	kWh			HT-IV (A) Government LIS & Agriculture	kVAh	4.64
LT-VII (A) : GENERAL PURPOSE	kWh	21.17/kW	5.91	HT-IV (B): CPWS	kVAh	7.65
LT-VII (B) : RELIGIOUS PLACES	kWh	21.17/kW	4.97	HT-V: RAILWAY TRACTION	kVAh	6.01
LT-VIII : TEMPORARY SUPPLY	kWh	21.17/kW	9.97	HT-VI : Townships & Residential Colonies	kVAh	11.40
HT-I : INDUSTRY	kVAh			HT-VII: GREEN POWER	kVAh	1.5 times of corresponding HT category
HT-I (A) : GENERAL	kVAh			HT-VIII: TEMPORARY	kWh	0.91
11 kV	kVAh	370.17kVA	6.00	HT-Resco-Siric	kWh	0.91
33 kV	kVAh	370.17kVA	5.55	* Equivalent Flatrate tariff		
132 kV & Above	kVAh	370.17kVA	5.12			
LIGHTS AND FANS	kVAh					
11 kV	kVAh		6.00			
33 kV	kVAh		5.58			
132 kV & Above	kVAh		5.12			
INDUSTRIAL COLONIES	kVAh					
11 kV	kVAh		6.01			
33 kV	kVAh		6.01			

نوٹ: اسٹیٹ الیکٹریسیٹی ریگولیٹری کمییشن (TSERC) کے ذریعہ 07-02-2015ء کو جاری کی گئی ہے۔



## ANNEXURE - II

### List of stakeholders who submitted the objections/suggestions

Sl. No	Name & Address of the Objector	Objection Related to
1	Sri R.V.Ram Mohan,Director,CWS,Tarnaka,Secunderabad	TSSPDCL
2	Venkateswarlu Gadipudi, Dy. GM Legal, AP&T,M/s Vodafone South Ltd,6th Floor , Varun Towers -2,Begumpet,Hyd	Both DISCOMs
3	Sri Jagadishwar,HMWSSB	TSSPDCL
4	Sri Swamy Jaganmayananda,Mehaboobnagar	TSSPDCL
5	Sri M.Venugopal,Senior Journalist & Convener , Center for Power Studies, Balkampet Road,Ameerpet,Hyd	Both DISCOMs
6	Sri P. Kodanda Ramaiah,712,Turquoise Block, My Home Jewel,Madinaguda,Hyd	TSSPDCL
7	Sri Kommireddy Narasimha Reddy,Ex-MLA,Bhongiri,Praja Chaitanya Vedika	TSSPDCL
8	Sri P.S.R.Krishna Prasad,H.No.5-5-23/21,Sangeet Nagar,Kukatpally,Hyd	TSSPDCL
9	Sri G Prabhakar Rao,Plot No 241/102, Jaya Residency, Jaya Nagar,Kukatpally,Hyd	TSSPDCL
10	Sri Surender Reddy,Baba Guda,Shamirpet, Ranga Reddy	TSSPDCL
11	Sri Dev Reddy,Laxma Reddy Guda,Shankarpally,Ranga Reddy	TSSPDCL
12	Sri Shankar,Tolkatta,Moinabad,Ranga Reddy	TSSPDCL
13	Sri Madireddy Rajireddy,20-160/1/1,R B Nagar , Shamshabad,Ranga Reddy	TSSPDCL
14	Sri Janardhan Reddy,Gajulaguda,Shankarpally,Ranga Reddy	TSSPDCL
15	Sri M Ramdas,Maha Lingapur,Shankar Pally,Ranga Reddy	TSSPDCL

<b>Sl. No</b>	<b>Name &amp; Address of the Objector</b>	<b>Objection Related to</b>
16	Smt Ch Anantamma,Maha Lingapur,Shankar Pally,Ranga Reddy	TSSPDCL
17	Sri Prakash Chari,Maha Lingapur,Shankar Pally,Ranga Reddy	TSSPDCL
18	Sri G Buchi Reddy,Maha Lingapur,Shankar Pally,Ranga Reddy	TSSPDCL
19	Sri K Bikshapati,Badarguda,Shamshabad,Ranga Reddy	TSSPDCL
20	Sri M Ram Reddy,Maha Lingapur,Shankar Pally,Ranga Reddy	TSSPDCL
21	Sri M Prabhu Sagar,Ramanjipur,Shamshabad,Ranga Reddy	TSSPDCL
22	Sri R Gopal Reddy,Chinna Shankarpally,Ranga Reddy	TSSPDCL
23	Sri Narayana Reddy,Amadapuram,Moinabad,Ranga reddy	TSSPDCL
24	Sri Gajender,Nagarkunta,Shabad,Ranga Reddy	TSSPDCL
25	Sri Kodanda Reddy,Telangana Pradesh Congress Committee	Both DISCOMs
26	Sri Kotturi Raju,5-72 Eleti ramayappally,Chityala,Warangal	TSNPDCL
27	Sri Kodela Sammaiah,Chityala,Warangal	TSNPDCL
28	Sri M R Prasad,Flat No.308,nirmala Towers,Dwarakapuri Colony,Panjagutta,Hyd	Both DISCOMs
29	Sri P V Y N Somayajulu,The India Cements Limited,Vishnu Puram,Wadapally,Nalgonda	TSSPDCL
30	Sri M Thimma Reddy,Peoples Monitoring Group on Electricity Regulation,Kakatiya Nagar,Hyd	Both DISCOMs
31	M/s CE/ Coal & Commercial, Vidyut Soudha, AP Genco	Both DISCOMs

<b>Sl. No</b>	<b>Name &amp; Address of the Objector</b>	<b>Objection Related to</b>
32	M/s Bharatiya Kisan Sangh, Warangal	TSNPDCL
33	Sri K Santosh Kumar, Singapore Township, Ghatkesar	Both DISCOMs
34	Sri Gothi Gopal Reddy, Mega Enclave, Hyd	Both DISCOMs
35	Sri Ranga Reddy, Toramamidi, Ranga Reddy	Both DISCOMs
36	Sri Laxma Reddy, Toramamidi, Ranga Reddy	Both DISCOMs
37	Sri Muralidhar Reddy, Karivemula, Medak	Both DISCOMs
38	Sri D Narasimha Reddy, Kasala, Medak	Both DISCOMs
39	Sri P Sadananda Reddy, Shivampet, Medak	Both DISCOMs
40	Sri P Narasimha Reddy, Nandikandi, Medak	Both DISCOMs
41	Sri B Madhusudhan Reddy, Sharadanagar, Hyd	Both DISCOMs
42	Sri A Surender Reddy, Nallakunta, Hyd	Both DISCOMs
43	Sri K Sai Reddy, Nallakunta, Hyd	Both DISCOMs
44	Sri G Chenna Reddy, Mehaboobnagar	Both DISCOMs
45	Sri J Sriranga Rao, Shivam Road, Hyd	Both DISCOMs
46	Sri M Ramprasad, Nallakunta	Both DISCOMs
47	Sri D Ramu, Nallakunta	Both DISCOMs

<b>Sl. No</b>	<b>Name &amp; Address of the Objector</b>	<b>Objection Related to</b>
48	Sri M Sreedhar Reddy,Nallakunta	Both DISCOMs
49	Sri P Anji Reddy,Nallakunta	Both DISCOMs
50	Sri B Ashok Yadav,Kottur,Mehaboobnagar	Both DISCOMs
51	Sri Sharanappa,Balanagar,Mehaboobnagar	Both DISCOMs
52	Sri L Prabhakar Reddy,Mehaboobnagar	Both DISCOMs
53	Sri K Jagpal Reddy,Mehaboobnagar	Both DISCOMs
54	Sri P Sreenivas Reddy,Mehaboobnagar	Both DISCOMs
55	Sri K Krishna Reddy,Mehaboobnagar	Both DISCOMs
56	Sri G Mallappa,Parigi,Ranga Reddy	Both DISCOMs
57	Sri S Subba Reddy,Parigi,Ranga Reddy	Both DISCOMs
58	Sri K Ambati Reddy,Vikarabad,Ranga Reddy	Both DISCOMs
59	Sri K Mal Reddy,Vikarabad,Ranga Reddy	Both DISCOMs
60	Sri Chandrakant Chary,Tandur,Ranga Reddy	Both DISCOMs
61	Sri P Ramachandra Reddy, Tandur, Ranga Reddy	Both DISCOMs
62	Sri N Narsi Reddy,Nalgonda	Both DISCOMs
63	Sri B Indra Reddy, Nalgonda	Both DISCOMs

<b>Sl. No</b>	<b>Name &amp; Address of the Objector</b>	<b>Objection Related to</b>
64	Sri B Danaiah,Nalgonda	Both DISCOMs
65	Sri P Satti Reddy,Nalgonda	Both DISCOMs
66	Sri Bhupal Reddy,Nalgonda	Both DISCOMs
67	Sri K Ananta Reddy,Sherilingam Palli,Hyd	Both DISCOMs
68	Sri K Venkat REddy,Nalgonda	Both DISCOMs
69	Sri N Satyanarayana Reddy,Nalgonda	Both DISCOMs
70	Sri M Satyanarayana REddy,Nalgonda	Both DISCOMs
71	Sri K Koteswara Rao,Nalgonda	Both DISCOMs
72	South Central Railways	TSSPDCL
73	M/s Confederation of Welfare Association , Santoshnagar	TSSPDCL
74	Sri K Raghu,Coordinator,TJAC,Hyderabad	Both DISCOMs
75	Sri B Chandra Reddy,Telangana Rythu Sangam,Jawahar Nagar,Hyd	Both DISCOMs
76	Sri S Mallareddy,RTC X Roads,Musheerabad	Both DISCOMs
77	Sri R Ranjit Kumar,State Consumer Coordination Council	TSNPDCL
78	Sri B Bhaskar Rao,Warangal	TSNPDCL
79	Sri R Srinivas,GHMC , Patencheru	TSSPDCL

<b>Sl. No</b>	<b>Name &amp; Address of the Objector</b>	<b>Objection Related to</b>
80	Sri S Chakrapani,Consumer Council,Warangal	TSNPDCL
81	Sri K Muralimohan Reddy,Ramantapur,Hyd	Both DISCOMs
82	Sri K Malla Reddy,Velgatoor,Karimnagar	Both DISCOMs
83	Sri G Prasada Rao,Gollapalli,Karimnagar	Both DISCOMs
84	Sri M Mal Reddy,Ramadugu,Karimnagar	Both DISCOMs
85	Sri B Laxma Reddy,Ramadugu,Karimnagar	Both DISCOMs
86	Sri Ashok Reddy,Karimnagar	Both DISCOMs
87	Sri Papi Reddy,Karimnagar	Both DISCOMs
88	Sri N Narayana Reddy,Karimnagar	Both DISCOMs
89	Sri Devayyadyapa,Karimnagar	Both DISCOMs
90	Sri E Rajender,Karimnagar	Both DISCOMs
91	Sri D Ravi,Karimnagar	Both DISCOMs
92	Sri D Ramu,Nallakunta	Both DISCOMs
93	Sri Malala Rao,Karimnagar	Both DISCOMs
94	Sri Sambashiva Reddy,Warangal	Both DISCOMs
95	Sri K Raghottam Reddy,Warangal	Both DISCOMs

<b>Sl. No</b>	<b>Name &amp; Address of the Objector</b>	<b>Objection Related to</b>
96	Sri K Yadav Reddy,Venkatapur,Warangal	Both DISCOMs
97	Sri M Srinivas Reddy,Mulugu,Warangal	Both DISCOMs
98	Sri N Appa Rao,Khammam	Both DISCOMs
99	Sri Nageswara Rao,Bonakal,Khammam	Both DISCOMs
100	Sri K Ramakoswara Rao,Bonakal,Khammam	Both DISCOMs
101	Sri Hanumantha Rao,Nizamabad	Both DISCOMs
102	Sri Vittal Rao,Nizamabad	Both DISCOMs
103	Sri Venkat Reddy,Nizamabad	Both DISCOMs
104	Sri Vittal Reddy,Nizamabad	Both DISCOMs
105	Sri S Rajeswara Reddy,Nizamabad	Both DISCOMs
106	Sri Ananda Rao,Nizamabad	Both DISCOMs
107	Sri M Sreedhar Reddy,Nallakunta	Both DISCOMs
108	Sri A Surender Reddy,Nallakunta	Both DISCOMs
109	Sri K Sai Reddy,Nizamabad	Both DISCOMs
110	Sri J Sriranga Rao,Shivam Road,Hyd	Both DISCOMs
111	Sri M Ramprasad , Nallakunta	Both DISCOMs

<b>Sl. No</b>	<b>Name &amp; Address of the Objector</b>	<b>Objection Related to</b>
112	Sri G Gopal Reddy,Mega Enclave,Hyd	Both DISCOMs
113	Sri P Anji Reddy,Nallakunta	Both DISCOMs
114	Sri Surender Reddy,Karimnagar	Both DISCOMs
115	Sri Malla Reddy,Karimnagar	Both DISCOMs
116	Sri P Anil,Karimnagar	Both DISCOMs
117	Sri N Mallayya,Karimnagar	Both DISCOMs
118	Sri Haragopal,Karimnagar	Both DISCOMs
119	Sri Narender Reddy,Hanamkonda	Both DISCOMs
120	Sri Srinivas Reddy,Hanamkonda	Both DISCOMs
121	Sri Ranga Reddy,Hanamkonda	Both DISCOMs
122	Sri Upender REDdy, Hanamkonda	Both DISCOMs
123	Smt Shanti Reddy,Hanamkonda	Both DISCOMs
124	Sri Tirupathi Reddy,Warangal	Both DISCOMs
125	Sri K Laxma Reddy,Hanamakonda	Both DISCOMs
126	Sri L Jalandhar REDdy,Hanamakonda	Both DISCOMs
127	Sri S Surender REDdy,Warangal	Both DISCOMs



<b>Sl. No</b>	<b>Name &amp; Address of the Objector</b>	<b>Objection Related to</b>
128	Sri K Raju,Warangal	Both DISCOMs
129	Sri K Ram Reddy,Warangal	Both DISCOMs
130	Sri K Samaiah,Warangal	Both DISCOMs
131	Sri P Raji Reddy,Warangal	Both DISCOMs
132	Sri Kotaiah,Khamma	Both DISCOMs
133	Sri N S Naidu,Vasant Chemicals Pvt Ltd,Hyderabad	TSSPDCL
134	Sri D V A S Ravi Prasad,Hyderabad	TSSPDCL
135	Sri K Rangaiah,Vidya Nagar,Hyderabad	Both DISCOMs
136	Sri M K Gupta, South Central Railways	Both DISCOMs
137	Sri Tirupathi,Warangal	TSNPDCL
138	M/s IKP Knowledge Park,Secunderabad	TSSPDCL
139	M/s Federation of Telangana & Andhra Pradesh Chambers of Commerce & Industry	TSNPDCL
140	M/s Federation of Telangana & Andhra Pradesh Chambers of Commerce & Industry	TSSPDCL
141	M/s Keerthi Industries Limited,Nalgonda	TSSPDCL
142	Sri N Venugopal Reddy,Hanmakonda,Warangal	Both DISCOMs
143	Sri Addanki Dayakar,Secunderanad	Both DISCOMs

<b>Sl. No</b>	<b>Name &amp; Address of the Objector</b>	<b>Objection Related to</b>
144	Sri G Sreenu Mudiraj, Vanasthalipuram, Hyd	Both DISCOMs
145	Sri S M S Rao, Co - head Groups Coordinator, Liberty X Roads, Hyd	Both DISCOMs
146	Sri D Ramu, Nallakunta, Hyd	Both DISCOMs
147	Sri MD. Munawar Chand, Musheerabad, Hyd	Both DISCOMs
148	Sri K R C Reddy, Singareni Colony, Hyd	Both DISCOMs
149	Smt Dr. P. Rama Devi, Begumpet, Hyd	Both DISCOMs
150	M/s GMR Hyderabad International Airport Ltd, Hyd	TSSPDCL
151	Smt P Padma, Gandhi Nagar, Hyd	Both DISCOMs
152	M/s Deccan Smiths Private Limited, Mallapur, Hyd	TSSPDCL
153	M/s Palamoor R.O. Water Plants Association, Mehaboobnagar	TSSPDCL
154	Sri A Sudheer Reddy, Kndapur, Sher Lingampalli, Hyd	Both DISCOMs
155	Sri P Anji Reddy, Nallakunta, Hyd	Both DISCOMs
156	Sri M Sreedhar Reddy, Nallakunta, Hyd	Both DISCOMs
157	Sri Kavali Ramulu, Malakpet, Hyd	Both DISCOMs
158	M/s Pramukh Packaging (P) Ltd, Uppal, Hyd	TSSPDCL
159	M/s India Nurserymen Association, Somajiguda, Hyd	TSSPDCL

<b>Sl. No</b>	<b>Name &amp; Address of the Objector</b>	<b>Objection Related to</b>
160	M/s Maruthi Cottex Limited, Hyderabad	TSSPDCL
161	M/s Hyderabad Small Scale Granite Industries Association, Hyderabad	TSSPDCL
162	Smt V Revathi Padma,Vinnakota Enterprises, Hyd	TSSPDCL
163	M/s Gayathri Granites,Suraram, Hyderabad	TSSPDCL
164	M/s Telangana Spinning and Textile Mills Association,S.P.Road, Secunderabad	TSNPDCL
165	M/s Telangana Spinning and Textile Mills Association, S.P.Road, Secunderabad	TSSPDCL
166	M/s Federation of Telangana Small Industries Association, Sanathnagar, Hyderabad	TSSPDCL
167	M/s Swastik Weld Mesh INdustries, Nacharam, Hyderabad	TSSPDCL
168	M/s Surana Wires Private Limited, Nacharam, Hyderabad	TSSPDCL
169	M/s SPM Wires & Cables Pvt Ltd, Nacharam, Hyderabad	TSSPDCL
170	M/s SPM Power & Telecom Pvt Ltd, Nacharam, Hyderabad	TSSPDCL

## ANNEXURE - III

### STATION WISE AND MONTH WISE COMBINED AVAILABILITY OF ENERGY FOR FY 2015-16 - FILINGS

Generating Station	Gross Energy Availability (MU)												
	April	May	June	July	August	September	October	November	December	January	February	March	Total
<b>TSGENCO &amp; APGENCO</b>													
<b>Thermal</b>													
VTPS I	126.59	130.80	126.71	130.80	99.16	65.39	130.80	126.59	130.80	130.80	118.15	130.80	1447.39
VTPS II	126.59	130.80	126.71	130.80	99.16	126.59	130.80	65.39	130.80	130.80	118.15	130.80	1447.39
VTPS III	124.41	128.55	124.52	128.55	126.48	124.41	97.45	124.41	95.39	128.55	116.11	128.55	1447.39
VTPS IV	149.72	154.34	149.72	154.71	154.80	149.72	154.80	149.72	79.85	154.80	139.73	154.80	1746.68
RTPP I	123.73	127.84	123.73	65.99	127.84	123.73	127.84	123.73	127.84	127.84	115.47	127.84	1443.42
RTPP Stage-II	126.26	130.45	126.26	130.45	130.45	126.26	67.31	96.80	130.45	130.45	117.83	130.45	1443.42
RTPP Stage-III	62.03	64.09	62.03	64.09	64.09	29.13	64.09	62.03	64.09	64.09	57.89	64.09	721.71
KTPS A	71.48	73.86	71.48	64.93	46.46	63.14	73.86	62.55	73.86	73.86	69.10	73.86	818.47
KTPS B	73.08	75.51	73.08	75.51	75.51	36.54	57.24	73.08	57.24	75.51	70.64	75.51	818.47
KTPS C	69.95	72.29	52.47	72.29	72.29	69.95	72.29	69.95	54.80	72.29	67.62	72.29	818.47
KTPS D	153.65	158.78	153.65	158.78	120.36	153.65	79.39	115.24	158.78	158.78	148.53	158.78	1718.36
KTPS Stage VI	149.29	154.27	149.29	79.62	154.27	149.29	154.27	149.29	154.27	154.27	144.31	154.27	1746.68
RTS B	18.36	18.97	18.36	18.97	18.97	18.36	18.97	9.18	18.97	18.97	17.75	18.97	214.79
NTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kakatiya Thermal Power Plant Stage I	149.29	154.27	149.29	154.27	154.27	149.29	154.27	74.64	154.27	154.27	144.31	154.27	1746.68
Kakatiya Thermal Power Plant Stage II	0.00	0.00	0.00	0.00	0.00	172.21	177.95	172.21	177.95	177.95	166.47	177.95	1222.68
Damodaram Sanjeevaiah Thermal power plant - I	232.18	239.92	232.18	239.92	239.92	232.18	239.92	232.18	239.92	239.92	216.71	239.92	2824.91
Damodaram Sanjeevaiah Thermal power plant - II	232.18	239.92	232.18	239.92	239.92	232.18	239.92	232.18	239.92	239.92	216.71	239.92	2824.91
<b>TOTAL THERMAL</b>	<b>1988.80</b>	<b>2054.65</b>	<b>1971.65</b>	<b>1909.59</b>	<b>1923.95</b>	<b>2022.03</b>	<b>2041.17</b>	<b>1939.18</b>	<b>2089.19</b>	<b>2233.06</b>	<b>2045.48</b>	<b>2233.06</b>	<b>24451.80</b>
MACHKUND PH AP Share	10.76	10.39	8.35	9.90	10.20	10.95	11.18	10.00	9.77	10.52	9.58	9.98	121.56
TUNGBHADRA PH AP Share	0.94	0.19	0.06	2.84	8.08	7.79	7.38	6.15	4.99	5.18	3.91	3.73	51.24

Generating Station	Gross Energy Availability (MU)												
	April	May	June	July	August	September	October	November	December	January	February	March	Total
USL	17.13	14.27	13.53	17.49	17.06	14.49	14.68	13.66	16.53	20.51	21.61	26.17	207.10
LSR	45.53	38.55	33.05	41.08	43.29	41.81	42.26	36.71	39.56	47.75	48.33	54.47	512.39
DONKARAYI	3.72	2.87	2.09	2.78	3.59	3.57	3.93	3.51	4.07	4.88	4.88	5.33	45.23
SSLM	35.58	11.34	7.25	14.07	137.38	129.22	62.48	38.21	20.43	30.97	35.76	49.66	572.34
NSPH	28.76	11.13	14.84	64.01	121.99	143.79	112.71	57.52	34.32	36.18	30.61	40.82	696.70
NSRCPH	0.78	0.00	0.00	0.29	6.50	12.29	15.03	13.44	9.80	6.21	3.24	2.00	69.59
NSLCPH	0.22	0.00	0.00	0.25	3.40	6.85	7.65	6.13	4.07	2.41	0.86	0.32	32.14
POCHAMPAD PH	0.48	0.00	0.00	0.50	3.06	4.08	4.44	3.51	2.92	2.99	2.37	1.95	26.30
NIZAMSAGAR PH	0.40	0.06	0.00	0.03	0.24	0.76	1.02	0.31	0.39	0.82	0.74	0.86	5.61
PABM	0.01	0.04	0.04	0.04	0.68	0.55	0.47	0.36	0.10	0.06	0.13	0.08	2.57
MINI HYDRO&OTHERS	0.32	0.02	0.11	0.38	0.72	0.81	0.75	0.67	0.71	0.77	0.64	0.62	6.52
SINGUR	0.21	0.09	0.04	0.14	0.34	0.99	0.83	0.11	0.11	0.19	0.23	0.49	3.78
SSLM LCPH	39.12	16.92	6.68	30.84	246.32	175.22	45.55	45.55	45.55	45.55	45.55	45.55	788.40
Nagarjunasagar Tail Pond Dam Power House	1.87	0.94	2.34	5.15	8.43	9.84	8.90	11.71	11.71	11.71	7.03	2.34	81.99
Priyadarshini Jurala Hydro Electric Project- AP Share	0.00	0.00	2.32	2.32	46.38	46.38	23.19	13.92	9.28	4.64	4.64	0.00	153.07
Lower Jurala Hydro Electric Project	0.00	0.00	2.32	2.32	46.38	46.38	23.19	13.92	9.28	4.64	4.64	0.00	153.07
POCHAMPAD Stig-II	0.16	0.00	0.00	0.17	1.02	1.36	1.48	1.17	0.97	1.00	0.79	0.65	8.76
PULICHINTAL(New Project)	0.10	0.10	0.10	7.42	7.42	7.42	7.65	7.65	7.65	9.74	8.35	12.06	75.67
<b>TOTAL HYDRO</b>	<b>186.09</b>	<b>106.88</b>	<b>93.11</b>	<b>202.03</b>	<b>712.48</b>	<b>664.54</b>	<b>394.77</b>	<b>284.20</b>	<b>232.21</b>	<b>246.72</b>	<b>233.89</b>	<b>257.10</b>	<b>3614.03</b>
<b>TOTAL TSGENCO &amp; APGENCO</b>	<b>2174.90</b>	<b>2161.53</b>	<b>2064.76</b>	<b>2111.62</b>	<b>2636.43</b>	<b>2686.57</b>	<b>2435.94</b>	<b>2223.38</b>	<b>2321.40</b>	<b>2479.78</b>	<b>2279.37</b>	<b>2490.15</b>	<b>28065.83</b>
<b>Central Generating Stations</b>													
<b>NTPC</b>													
<b>NTPC (SR)</b>													
NTPC (SR)	252.50	214.65	190.05	214.65	178.47	158.38	223.82	175.42	183.62	202.59	200.18	223.82	2418.15
NTPC (SR) Stage III	60.73	58.74	56.91	11.38	58.74	56.91	61.32	59.30	61.32	61.32	55.44	61.32	663.41
<b>Total NTPC(SR)</b>	<b>313.22</b>	<b>273.40</b>	<b>246.96</b>	<b>226.03</b>	<b>237.22</b>	<b>215.28</b>	<b>285.13</b>	<b>234.72</b>	<b>244.93</b>	<b>263.91</b>	<b>255.62</b>	<b>285.13</b>	<b>3081.56</b>

Generating Station	Gross Energy Availability (MU)												
	April	May	June	July	August	September	October	November	December	January	February	March	Total
<b>NTPC (ER)</b>													
Talcher Stage 2	131.40	122.14	99.60	87.31	98.23	113.06	123.98	119.99	123.98	125.35	113.16	125.35	1383.54
<b>Total NTPC(ER)</b>	<b>131.40</b>	<b>122.14</b>	<b>99.60</b>	<b>87.31</b>	<b>98.23</b>	<b>113.06</b>	<b>123.98</b>	<b>119.99</b>	<b>123.98</b>	<b>125.35</b>	<b>113.16</b>	<b>125.35</b>	<b>1383.54</b>
<b>Total NTPC</b>	<b>444.62</b>	<b>395.54</b>	<b>346.56</b>	<b>313.34</b>	<b>335.45</b>	<b>328.34</b>	<b>409.12</b>	<b>354.70</b>	<b>368.92</b>	<b>389.26</b>	<b>368.78</b>	<b>410.48</b>	<b>4465.10</b>
<b>NLC TS-II</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stage-I	33.35	34.58	33.55	34.27	33.65	27.19	16.72	19.70	12.31	32.32	31.91	34.27	343.81
Stage-II	59.53	61.56	59.80	40.41	44.07	41.22	53.02	42.58	51.80	61.02	57.63	61.16	633.79
<b>Total NLC</b>	<b>92.87</b>	<b>96.14</b>	<b>93.35</b>	<b>74.68</b>	<b>77.72</b>	<b>68.41</b>	<b>69.74</b>	<b>62.28</b>	<b>64.11</b>	<b>93.34</b>	<b>89.54</b>	<b>95.42</b>	<b>977.61</b>
<b>NPC</b>													
NPC-MAPS	12.00	10.86	12.00	12.09	12.00	11.62	12.00	5.81	8.90	12.00	10.86	12.00	132.13
NPC-Kaiga unit I	35.91	37.09	35.91	37.09	37.09	35.91	37.09	35.91	18.54	37.09	34.73	37.09	419.45
NPC-Kaiga unit II	19.01	39.27	38.03	39.27	39.27	38.03	39.27	38.03	39.27	39.27	36.78	39.27	444.79
<b>Total NPC</b>	<b>66.92</b>	<b>87.22</b>	<b>85.94</b>	<b>88.46</b>	<b>88.36</b>	<b>85.56</b>	<b>88.36</b>	<b>79.75</b>	<b>66.72</b>	<b>88.36</b>	<b>82.37</b>	<b>88.36</b>	<b>996.37</b>
<b>NTPC - Simhadri</b>													
NTPC Simhadri Stage I	329.87	341.10	329.87	341.10	341.10	329.87	341.10	175.89	341.10	341.10	319.18	341.10	3872.36
NTPC Simhadri Stage II	170.79	176.37	170.79	176.37	108.00	170.79	176.37	170.79	176.37	176.37	165.21	176.37	2014.63
<b>Total NTPC-Simhadri</b>	<b>500.66</b>	<b>517.47</b>	<b>500.66</b>	<b>517.47</b>	<b>449.10</b>	<b>500.66</b>	<b>517.47</b>	<b>346.69</b>	<b>517.47</b>	<b>517.47</b>	<b>484.39</b>	<b>517.47</b>	<b>5886.99</b>
<b>CGS - New</b>													
Vallur Thermal Power Plant	56.46	56.46	50.09	46.90	41.89	56.46	56.46	56.46	56.46	56.46	56.46	56.46	647.05
Tuticorin	69.15	71.45	69.15	71.45	71.45	69.15	71.45	69.15	71.45	71.45	64.54	71.45	841.31
<b>TOTAL CGS</b>	<b>1230.69</b>	<b>1224.28</b>	<b>1145.74</b>	<b>1112.30</b>	<b>1063.98</b>	<b>1108.59</b>	<b>1212.61</b>	<b>969.02</b>	<b>1145.14</b>	<b>1216.35</b>	<b>1146.08</b>	<b>1239.65</b>	<b>13814.42</b>
<b>APGPCL</b>													
APGPCL I - Allocated capacity	1.78	1.84	1.78	1.84	1.28	1.78	1.84	1.78	1.84	1.84	1.72	1.84	21.12
APGPCL I - Unutilised capacity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
APGPCL II -	6.00	6.20	6.00	6.20	6.20	6.00	6.19	6.00	6.20	6.20	5.20	6.20	72.55

Generating Station	Gross Energy Availability (MU)												
	April	May	June	July	August	September	October	November	December	January	February	March	Total
Allocated capacity													
APGPCL II - Unutilised capacity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total APGPCL</b>	<b>7.77</b>	<b>8.03</b>	<b>7.77</b>	<b>8.03</b>	<b>7.47</b>	<b>7.77</b>	<b>8.03</b>	<b>7.77</b>	<b>8.03</b>	<b>8.03</b>	<b>6.91</b>	<b>8.03</b>	<b>93.66</b>
<b>IPPS</b>													
GVK	39.89	39.75	47.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	126.86
Spectrum	45.05	40.04	44.03	41.48	39.52	35.87	39.80	52.17	69.15	57.57	53.08	50.93	568.69
Kondapalli (Gas)	58.49	60.44	58.49	60.44	60.44	58.49	60.44	58.49	60.44	0.00	0.00	0.00	536.17
BSES	20.89	20.89	20.89	20.89	20.89	20.89	20.89	20.89	20.89	20.89	20.89	20.89	250.65
<b>TOTAL IPPS</b>	<b>164.31</b>	<b>161.12</b>	<b>170.63</b>	<b>122.81</b>	<b>120.85</b>	<b>115.25</b>	<b>121.13</b>	<b>131.55</b>	<b>150.48</b>	<b>78.46</b>	<b>73.97</b>	<b>71.82</b>	<b>1482.38</b>
<b>NCE</b>													
NCE - Bio-Mass	10.20	13.39	13.85	11.07	10.61	10.20	13.39	13.85	14.01	11.07	10.61	10.61	142.86
NCE - Bagasse	9.21	13.31	2.78	6.79	4.95	0.00	4.50	15.72	15.41	12.76	48.65	48.65	182.73
NCE - Municipal Waste to Energy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NCE - Industrial Waste based power project	1.21	2.31	3.01	2.63	2.26	1.21	2.31	3.01	4.23	2.63	2.26	2.26	29.33
NCE - Wind Power	13.51	31.40	100.84	106.07	118.24	57.78	57.78	66.76	20.82	43.08	41.26	52.41	709.95
NCE - Mini Hydel	0.34	0.00	0.00	0.12	0.62	0.62	0.00	0.00	0.00	0.00	0.34	0.34	2.38
NCE - NCL Energy Ltd	0.00	0.00	0.00	6.78	5.56	5.56	6.78	3.50	0.00	0.00	0.00	0.00	28.18
NCE-Others	87.80	87.68	84.83	82.84	82.71	89.62	87.17	86.50	86.19	81.75	86.69	86.69	1030.49
<b>TOTAL NCE</b>	<b>122.27</b>	<b>148.10</b>	<b>205.31</b>	<b>216.31</b>	<b>224.95</b>	<b>164.99</b>	<b>171.93</b>	<b>189.34</b>	<b>140.66</b>	<b>151.29</b>	<b>189.81</b>	<b>200.97</b>	<b>2125.92</b>
<b>OTHERS</b>													
KSK Mahanadi (MT)	131.92	136.32	131.92	136.32	136.32	131.92	136.32	131.92	136.32	136.32	127.53	136.32	1609.45
Hinduja	161.40	166.79	161.40	333.58	333.58	322.80	333.58	322.80	333.58	333.58	312.02	333.58	3448.69
Singareni	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Thermal Power Tech	164.90	170.40	164.90	170.40	164.90	170.40	164.90	170.40	170.40	159.41	170.40	170.40	2011.82
<b>TOTAL OTHERS</b>	<b>458.22</b>	<b>473.51</b>	<b>458.22</b>	<b>640.30</b>	<b>634.80</b>	<b>625.12</b>	<b>634.80</b>	<b>625.12</b>	<b>640.30</b>	<b>629.31</b>	<b>609.95</b>	<b>640.30</b>	<b>7069.96</b>
<b>MARKET</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Bi-lateral Sales( PTC	800.00	800.00	518.40	535.68	535.68	518.40	535.68	518.40	535.68	535.68	483.84	535.68	6853.12

Generating Station	Gross Energy Availability (MU)												
	April	May	June	July	August	September	October	November	December	January	February	March	Total
etc.)													
Jhajar	61.20	63.24	61.20	63.24	63.24	61.20	63.24	61.20	63.24	63.24	57.12	63.24	744.60
<b>TOTAL MARKET</b>	861.20	863.24	579.60	598.92	598.92	579.60	598.92	579.60	598.92	598.92	540.96	598.92	7597.72
<b>TOTAL (From All Sources)</b>	<b>5019.37</b>	<b>5039.81</b>	<b>4632.04</b>	<b>4810.28</b>	<b>5287.41</b>	<b>5287.89</b>	<b>5183.36</b>	<b>4725.79</b>	<b>5004.93</b>	<b>5162.13</b>	<b>4847.05</b>	<b>5249.84</b>	<b>60249.90</b>



## ANNEXURE - IV

### STATION WISE AND MONTH WISE AVAILABILITY OF ENERGY FOR FY 2015-16 - TSERC

Generating Station	Variable Cost	Gross Energy Availability (MU)												
	Rs./kWh	April	May	June	July	August	September	October	November	December	January	February	March	Total
<b>TSGENCO &amp; APGENCO</b>														
<b>Thermal</b>														
VTPS I	3.11	132.82	137.23	132.94	137.23	104.04	68.61	137.23	132.82	137.23	137.23	123.96	137.23	<b>1518.59</b>
VTPS II	3.11	133.01	137.43	133.13	137.43	104.19	133.01	137.43	68.71	137.43	137.43	124.14	137.43	<b>1520.77</b>
VTPS III	3.11	133.82	138.26	133.93	138.26	136.04	133.82	104.82	122.77	102.59	138.26	124.89	138.26	<b>1545.71</b>
VTPS IV	3.01	181.75	187.36	181.75	187.81	187.92	181.75	187.92	0.00	96.93	187.92	169.63	187.92	<b>1938.65</b>
RTPP I	3.69	186.75	82.09	186.75	99.60	192.95	186.75	35.31	0.00	0.00	192.95	174.29	192.95	<b>1530.38</b>
RTPP Stage-II	3.42	197.90	0.00	163.89	204.47	204.47	197.90	0.00	0.00	0.00	204.47	184.69	204.47	<b>1562.27</b>
RTPP Stage-III	3.45	117.69	0.00	0.00	121.60	121.60	55.27	0.00	0.00	0.00	121.60	109.84	121.60	<b>769.22</b>
KTPS A	2.79	71.97	74.37	71.97	65.37	46.78	63.57	74.37	62.97	74.37	74.37	69.57	74.37	<b>824.03</b>
KTPS B	2.79	70.43	72.77	70.43	72.77	72.77	35.21	55.17	70.43	55.17	72.77	68.08	72.77	<b>788.78</b>
KTPS C	2.79	71.18	73.56	53.39	73.56	73.56	71.18	73.56	71.18	55.76	73.56	68.81	73.56	<b>832.85</b>
KTPS D	2.27	158.00	163.27	158.00	163.27	123.77	158.00	81.63	118.50	163.27	163.27	152.73	163.27	<b>1766.97</b>
KTPS Stage VI	3.10	158.64	163.93	158.64	84.61	163.93	158.64	163.93	158.64	163.93	163.93	153.35	163.93	<b>1856.06</b>
RTS B	2.34	18.75	19.38	18.75	19.38	19.38	18.75	19.38	9.38	19.38	19.38	18.13	19.38	<b>219.38</b>
Kakatiya Thermal Power Plant Stage I	2.36	163.25	168.69	163.25	168.69	168.69	163.25	168.69	81.62	168.69	168.69	157.81	168.69	<b>1910.01</b>
Kakatiya Thermal Power Plant Stage II	2.35	0.00	0.00	0.00	0.00	0.00	319.62	330.28	319.62	330.28	330.28	308.97	330.28	<b>2269.33</b>
Damodaram Sanjeevaiah Thermal power plant - I	3.00	232.18	239.92	232.18	239.92	239.92	232.18	239.92	232.18	239.92	239.92	216.71	239.92	<b>2824.91</b>
Damodaram Sanjeevaiah Thermal power plant - II	3.00	232.18	239.92	232.18	239.92	239.92	232.18	239.92	232.18	239.92	239.92	216.71	239.92	<b>2824.91</b>
<b>TOTAL THERMAL</b>		<b>2260.32</b>	<b>1898.17</b>	<b>2091.17</b>	<b>2153.90</b>	<b>2199.92</b>	<b>2409.69</b>	<b>2049.55</b>	<b>1681.01</b>	<b>1984.87</b>	<b>2665.95</b>	<b>2442.29</b>	<b>2665.95</b>	<b>26502.80</b>
MACHKUND PH AP Share	0.00	16.11	15.56	12.51	14.83	15.28	16.40	16.75	14.99	14.64	15.76	14.35	14.95	<b>182.14</b>
TUNGBHADRA PH AP Share	0.00	1.42	0.28	0.09	4.29	12.18	11.74	11.12	9.28	7.52	7.81	5.89	5.63	<b>77.25</b>

Generating Station	Variable Cost	Gross Energy Availability (MU)												
	Rs/kWh	April	May	June	July	August	September	October	November	December	January	February	March	Total
USL	0.00	19.78	16.48	15.63	20.20	19.71	16.73	16.95	15.78	19.10	23.69	24.97	30.23	239.25
LSR	0.00	51.90	43.94	37.67	46.83	49.35	47.66	48.17	41.85	45.09	54.43	55.09	62.10	584.08
DONKARAYI	0.00	4.31	3.32	2.42	3.22	4.16	4.13	4.55	4.07	4.71	5.65	5.65	6.18	52.36
SSLM	0.00	45.55	14.52	9.28	18.02	175.87	165.42	79.98	48.91	26.16	39.64	45.78	63.57	732.70
NSPH	0.00	27.10	10.49	13.99	60.32	114.96	135.51	106.22	54.20	32.35	34.10	28.85	38.47	656.56
NSRCPH	0.00	0.91	0.00	0.00	0.33	7.56	14.30	17.49	15.63	11.39	7.22	3.77	2.33	80.94
NSLCPH	0.00	0.25	0.00	0.00	0.28	3.90	7.85	8.78	7.03	4.67	2.76	0.99	0.36	36.88
POCHAMPAD PH	0.00	0.73	0.00	0.00	0.77	4.64	6.19	6.74	5.32	4.43	4.54	3.59	2.96	39.91
NIZAMSAGAR PH	0.00	0.46	0.06	0.00	0.03	0.27	0.88	1.18	0.36	0.45	0.95	0.86	1.00	6.51
PABM	0.00	0.02	0.06	0.05	0.06	0.99	0.80	0.68	0.53	0.15	0.09	0.18	0.12	3.74
MINI HYDRO&OTHERS	0.00	0.31	0.02	0.11	0.36	0.69	0.78	0.71	0.64	0.67	0.74	0.61	0.59	6.23
SINGUR	0.00	0.25	0.10	0.04	0.16	0.40	1.16	0.97	0.12	0.13	0.23	0.27	0.58	4.42
SSLM LCPH	0.00	43.92	19.00	7.49	34.63	276.57	196.73	51.14	51.14	51.14	51.14	51.14	51.14	885.22
Nagarjunasagar Tail Pond Dam Power House	0.00	2.64	1.32	3.31	7.27	11.90	13.88	12.56	16.53	16.53	16.53	9.92	3.31	115.69
Priyadarshini Jurala Hydro Electric Project- AP Share	0.00	0.00	0.00	2.33	2.33	46.56	46.56	23.28	13.97	9.31	4.66	4.66	0.00	153.65
Lower Jurala Hydro Electric Project	0.00	0.00	0.00	0.92	0.92	18.48	18.48	9.24	5.54	3.70	1.85	1.85	0.00	60.97
POCHAMPAD Stig-II	0.00	0.22	0.00	0.00	0.24	1.44	1.92	2.09	1.65	1.37	1.41	1.11	0.92	12.37
PULICHINTAL(New Project)	0.00	0.14	0.14	0.14	10.47	10.47	10.47	10.80	10.80	10.80	13.74	11.78	17.02	106.77
<b>TOTAL HYDRO</b>		<b>216.04</b>	<b>125.30</b>	<b>105.99</b>	<b>225.57</b>	<b>775.37</b>	<b>717.60</b>	<b>429.41</b>	<b>318.34</b>	<b>264.32</b>	<b>286.94</b>	<b>271.32</b>	<b>301.45</b>	<b>4037.64</b>
<b>TOTAL TSGENCO &amp; APGENCO</b>		<b>2476.36</b>	<b>2023.47</b>	<b>2197.16</b>	<b>2379.47</b>	<b>2975.29</b>	<b>3127.29</b>	<b>2478.97</b>	<b>1999.35</b>	<b>2249.18</b>	<b>2952.89</b>	<b>2713.61</b>	<b>2967.40</b>	<b>30540.44</b>
<b>Central Generating Stations</b>														
<b>NTPC</b>														
<b>NTPC (SR)</b>														
NTPC (SR)	2.44	227.98	193.81	171.60	193.81	161.15	143.00	202.09	158.39	165.79	182.92	180.74	202.09	2183.36
NTPC (SR) Stage III	2.60	51.20	49.53	47.98	9.60	49.53	47.98	51.70	49.99	51.70	51.70	46.74	51.70	559.33

Generating Station	Variable Cost	Gross Energy Availability (MU)												
	Rs./kWh	April	May	June	July	August	September	October	November	December	January	February	March	Total
<b>Total NTPC(SR)</b>		<b>279.18</b>	<b>243.34</b>	<b>219.58</b>	<b>203.41</b>	<b>210.67</b>	<b>190.98</b>	<b>253.78</b>	<b>208.38</b>	<b>217.49</b>	<b>234.62</b>	<b>227.49</b>	<b>253.78</b>	<b>2742.69</b>
<b>NTPC (ER)</b>														
Talcher Stage 2	1.38	130.25	121.07	98.73	86.54	97.37	112.07	122.90	118.94	122.90	124.26	112.17	124.26	<b>1371.46</b>
<b>Total NTPC(ER)</b>		<b>130.25</b>	<b>121.07</b>	<b>98.73</b>	<b>86.54</b>	<b>97.37</b>	<b>112.07</b>	<b>122.90</b>	<b>118.94</b>	<b>122.90</b>	<b>124.26</b>	<b>112.17</b>	<b>124.26</b>	<b>1371.46</b>
<b>Total NTPC</b>		<b>409.43</b>	<b>364.41</b>	<b>318.31</b>	<b>289.95</b>	<b>308.05</b>	<b>303.05</b>	<b>376.68</b>	<b>327.32</b>	<b>340.39</b>	<b>358.87</b>	<b>339.66</b>	<b>378.04</b>	<b>4114.15</b>
<b>NLC TS-II</b>														
Stage-I	2.26	31.32	32.47	31.51	32.18	31.60	25.53	15.71	18.50	11.56	30.35	29.97	32.18	<b>322.88</b>
Stage-II	2.22	58.13	60.11	58.39	39.46	43.03	40.25	51.77	41.57	50.58	59.58	56.27	59.71	<b>618.86</b>
<b>Total NLC</b>		<b>89.44</b>	<b>92.58</b>	<b>89.90</b>	<b>71.64</b>	<b>74.64</b>	<b>65.78</b>	<b>67.48</b>	<b>60.07</b>	<b>62.14</b>	<b>89.93</b>	<b>86.24</b>	<b>91.90</b>	<b>941.74</b>
<b>NPC</b>														
NPC-MAPS	2.14	12.00	10.86	12.00	12.09	12.00	11.62	12.00	5.81	8.90	12.00	10.86	12.00	<b>132.13</b>
NPC-Kaiga unit I	3.03	35.91	37.09	35.91	37.09	37.09	35.91	37.09	35.91	18.54	37.09	34.73	37.09	<b>419.45</b>
NPC-Kaiga unit II	3.17	19.01	39.27	38.03	39.27	39.27	38.03	39.27	38.03	39.27	39.27	36.78	39.27	<b>444.79</b>
<b>Total NPC</b>		<b>66.92</b>	<b>87.22</b>	<b>85.94</b>	<b>88.46</b>	<b>88.36</b>	<b>85.56</b>	<b>88.36</b>	<b>79.75</b>	<b>66.72</b>	<b>88.36</b>	<b>82.37</b>	<b>88.36</b>	<b>996.37</b>
<b>NTPC - Simhadri</b>														
NTPC Simhadri Stage I	2.59	316.80	327.59	316.80	327.59	327.59	316.80	327.59	168.93	327.59	327.59	306.53	327.59	<b>3718.97</b>
NTPC Simhadri Stage II	2.60	140.41	145.00	140.41	145.00	88.79	140.41	145.00	140.41	145.00	145.00	135.82	145.00	<b>1656.25</b>
<b>Total NTPC-Simhadri</b>		<b>457.21</b>	<b>472.59</b>	<b>457.21</b>	<b>472.59</b>	<b>416.38</b>	<b>457.21</b>	<b>472.59</b>	<b>309.34</b>	<b>472.59</b>	<b>472.59</b>	<b>442.36</b>	<b>472.59</b>	<b>5375.22</b>
<b>CGS - New</b>														
Vallur Thermal Power Plant	2.02	53.43	53.43	47.40	44.38	39.64	53.43	53.43	53.43	53.43	53.43	53.43	53.43	<b>612.33</b>
Tuticorin	2.70	69.15	71.45	69.15	71.45	71.45	69.15	71.45	69.15	71.45	71.45	64.54	71.45	<b>841.31</b>
<b>TOTAL CGS</b>		<b>1149.46</b>	<b>1146.13</b>	<b>1072.25</b>	<b>1042.41</b>	<b>1002.54</b>	<b>1037.92</b>	<b>1133.83</b>	<b>902.50</b>	<b>1069.90</b>	<b>1139.04</b>	<b>1072.76</b>	<b>1160.22</b>	<b>12928.95</b>
<b>APGPCL</b>														
APGPCL I - Allocated capacity	2.74	1.78	1.84	1.78	1.84	1.28	1.78	1.84	0.00	1.84	1.84	1.72	1.84	<b>19.34</b>
APGPCL II -	2.66	6.00	6.20	6.00	6.20	6.20	6.00	6.19	6.00	6.20	6.20	5.20	6.20	<b>72.55</b>

Generating Station	Variable Cost Rs./kWh	Gross Energy Availability (MU)												
		April	May	June	July	August	September	October	November	December	January	February	March	Total
Allocated capacity														
<b>Total APGPCL</b>		<b>7.77</b>	<b>8.03</b>	<b>7.77</b>	<b>8.03</b>	<b>7.47</b>	<b>7.77</b>	<b>8.03</b>	<b>6.00</b>	<b>8.03</b>	<b>8.03</b>	<b>6.91</b>	<b>8.03</b>	<b>91.88</b>
<b>IPPS</b>														
GVK	2.85	39.89	39.75	47.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>126.86</b>
Spectrum	2.80	45.05	40.04	44.03	41.48	39.52	35.87	39.80	0.00	51.81	57.57	53.08	50.93	<b>499.18</b>
Kondapalli (Gas)	2.72	58.49	60.44	58.49	60.44	60.44	58.49	60.44	58.49	60.44	0.00	0.00	0.00	<b>536.17</b>
BSES	2.44	20.89	20.89	20.89	20.89	20.89	20.89	20.89	20.89	20.89	20.89	20.89	20.89	<b>250.65</b>
<b>TOTAL IPPS</b>		<b>164.31</b>	<b>161.12</b>	<b>170.63</b>	<b>122.81</b>	<b>120.85</b>	<b>115.25</b>	<b>121.13</b>	<b>79.38</b>	<b>133.14</b>	<b>78.46</b>	<b>73.97</b>	<b>71.82</b>	<b>1412.86</b>
<b>NCE</b>														
NCE - Bio-Mass	5.85	10.20	13.39	13.85	11.07	10.61	10.20	13.39	13.85	14.01	11.07	10.61	10.61	<b>142.86</b>
NCE - Bagasse	4.11	9.21	13.31	2.78	6.79	4.95	0.00	4.50	15.72	15.41	12.76	48.65	48.65	<b>182.73</b>
NCE - Municipal Waste to Energy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>
NCE - Industrial Waste based power project	5.85	1.21	2.31	3.01	2.63	2.26	1.21	2.31	3.01	4.23	2.63	2.26	2.26	<b>29.33</b>
NCE - Wind Power	4.63	13.51	31.40	100.84	106.07	118.24	57.78	57.78	66.76	20.82	43.08	41.26	52.41	<b>709.95</b>
NCE - Mini Hydel	2.22	0.34	0.00	0.00	0.12	0.62	0.62	0.00	0.00	0.00	0.00	0.34	0.34	<b>2.38</b>
NCE - NCL Energy Ltd	2.22	0.00	0.00	0.00	6.78	5.56	5.56	6.78	3.50	0.00	0.00	0.00	0.00	<b>28.18</b>
NCE-Others	6.49	60.88	60.76	57.91	55.92	55.79	62.70	60.25	59.58	59.27	54.83	59.77	59.77	<b>707.43</b>
<b>TOTAL NCE</b>		<b>95.35</b>	<b>121.17</b>	<b>178.39</b>	<b>189.38</b>	<b>198.03</b>	<b>138.07</b>	<b>145.01</b>	<b>162.42</b>	<b>113.74</b>	<b>124.37</b>	<b>162.89</b>	<b>174.04</b>	<b>1802.86</b>
<b>OTHERS</b>														
KSK Mahanadi (MT)	2.35	93.07	136.32	131.92	136.32	136.32	131.92	136.32	131.92	136.32	136.32	127.53	136.32	<b>1570.60</b>
Hinduja	2.29	0.00	0.00	206.18	206.18	411.70	398.39	411.70	398.39	411.70	411.70	385.09	411.70	<b>3652.74</b>
Thermal Power Tech	1.82	144.07	170.40	164.90	170.40	164.90	170.40	164.90	170.40	170.40	159.41	170.40	170.40	<b>1990.99</b>
<b>TOTAL OTHERS</b>		<b>237.14</b>	<b>306.72</b>	<b>503.01</b>	<b>512.90</b>	<b>712.92</b>	<b>700.71</b>	<b>712.92</b>	<b>700.71</b>	<b>718.42</b>	<b>707.43</b>	<b>683.02</b>	<b>718.42</b>	<b>7214.33</b>
<b>MARKET</b>														
Jhajjar	5.50	90.63	0.00	0.00	86.34	93.66	90.63	0.00	0.00	0.00	93.66	84.59	93.66	<b>633.17</b>
<b>TOTAL MARKET</b>		<b>90.63</b>	<b>0.00</b>	<b>0.00</b>	<b>86.34</b>	<b>93.66</b>	<b>90.63</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>93.66</b>	<b>84.59</b>	<b>93.66</b>	<b>633.17</b>

Generating Station	Variable Cost	Gross Energy Availability (MU)												
	Rs./kWh	April	May	June	July	August	September	October	November	December	January	February	March	Total
TOTAL (From All Sources)		4217.16	3762.20	4124.86	4337.40	5106.74	5213.92	4596.05	3846.92	4289.23	5099.47	4793.58	5189.13	54576.66

## ANNEXURE - V

### STATION WISE AND MONTH WISE DESPATCH OF ENERGY FOR FY 2015-16 - TSERC

Generating Station	Variable Cost Rs./kWh	Gross Energy Despatch (MU)												
		April	May	June	July	August	September	October	November	December	January	February	March	Total
<b>TSGENCO &amp; APGENCO</b>														
<b>Thermal</b>														
VTPS I	3.11	132.82	79.19	132.94	137.23	104.04	68.61	0.00	0.00	0.00	137.23	123.96	137.23	<b>1053.25</b>
VTPS II	3.11	133.01	0.00	133.13	137.43	104.19	133.01	0.00	0.00	0.00	137.43	124.14	137.43	<b>1039.77</b>
VTPS III	3.11	133.82	0.00	29.77	138.26	136.04	88.85	0.00	0.00	0.00	138.26	124.89	138.26	<b>928.14</b>
VTPS IV	3.01	181.75	187.36	181.75	187.81	187.92	181.75	187.92	0.00	96.93	187.92	169.63	187.92	<b>1938.65</b>
RTPP I	3.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>
RTPP Stage-II	3.42	129.11	0.00	0.00	34.00	49.77	0.00	0.00	0.00	0.00	49.30	23.13	38.88	<b>324.20</b>
RTPP Stage-III	3.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>
KTPS A	2.79	71.97	74.37	71.97	65.37	46.78	63.57	74.37	62.97	74.37	74.37	69.57	74.37	<b>824.03</b>
KTPS B	2.79	70.43	72.77	70.43	72.77	72.77	35.21	55.17	70.43	55.17	72.77	68.08	72.77	<b>788.78</b>
KTPS C	2.79	71.18	73.56	53.39	73.56	73.56	71.18	73.56	71.18	55.76	73.56	68.81	73.56	<b>832.85</b>
KTPS D	2.27	158.00	163.27	158.00	163.27	123.77	158.00	81.63	118.50	163.27	163.27	152.73	163.27	<b>1766.97</b>
KTPS Stage VI	3.10	158.64	163.93	158.64	84.61	163.93	158.64	71.02	57.89	66.62	163.93	153.35	163.93	<b>1565.10</b>
RTS B	2.34	18.75	19.38	18.75	19.38	19.38	18.75	19.38	9.38	19.38	19.38	18.13	19.38	<b>219.38</b>
Kakatiya Thermal Power Plant Stage I	2.36	163.25	168.69	163.25	168.69	168.69	163.25	168.69	81.62	168.69	168.69	157.81	168.69	<b>1910.01</b>
Kakatiya Thermal Power Plant Stage II	2.35	0.00	0.00	0.00	0.00	0.00	319.62	330.28	319.62	330.28	330.28	308.97	330.28	<b>2269.33</b>
Damodaram Sanjeevaiah Thermal power plant - I	3.00	232.18	239.92	232.18	239.92	239.92	232.18	239.92	232.18	239.92	239.92	216.71	239.92	<b>2824.91</b>
Damodaram Sanjeevaiah Thermal	3.00	232.18	239.92	232.18	239.92	239.92	232.18	239.92	232.18	239.92	239.92	216.71	239.92	<b>2824.91</b>

Generating Station	Variable Cost Rs/kWh	Gross Energy Despatch (MU)												
		April	May	June	July	August	September	October	November	December	January	February	March	Total
power plant - II														
<b>TOTAL THERMAL</b>		<b>1887.09</b>	<b>1482.35</b>	<b>1636.38</b>	<b>1762.22</b>	<b>1730.67</b>	<b>1924.82</b>	<b>1541.85</b>	<b>1255.96</b>	<b>1510.31</b>	<b>2196.23</b>	<b>1996.60</b>	<b>2185.80</b>	<b>21110.28</b>
MACHKUND PH AP Share	0.00	16.11	15.56	12.51	14.83	15.28	16.40	16.75	14.99	14.64	15.76	14.35	14.95	<b>182.14</b>
TUNGBHADRA PH AP Share	0.00	1.42	0.28	0.09	4.29	12.18	11.74	11.12	9.28	7.52	7.81	5.89	5.63	<b>77.25</b>
USL	0.00	19.78	16.48	15.63	20.20	19.71	16.73	16.95	15.78	19.10	23.69	24.97	30.23	<b>239.25</b>
LSR	0.00	51.90	43.94	37.67	46.83	49.35	47.66	48.17	41.85	45.09	54.43	55.09	62.10	<b>584.08</b>
DONKARAYI	0.00	4.31	3.32	2.42	3.22	4.16	4.13	4.55	4.07	4.71	5.65	5.65	6.18	<b>52.36</b>
SSLM	0.00	45.55	14.52	9.28	18.02	175.87	165.42	79.98	48.91	26.16	39.64	45.78	63.57	<b>732.70</b>
NSPH	0.00	27.10	10.49	13.99	60.32	114.96	135.51	106.22	54.20	32.35	34.10	28.85	38.47	<b>656.56</b>
NSRCPH	0.00	0.91	0.00	0.00	0.33	7.56	14.30	17.49	15.63	11.39	7.22	3.77	2.33	<b>80.94</b>
NSLCPH	0.00	0.25	0.00	0.00	0.28	3.90	7.85	8.78	7.03	4.67	2.76	0.99	0.36	<b>36.88</b>
POCHAMPAD PH	0.00	0.73	0.00	0.00	0.77	4.64	6.19	6.74	5.32	4.43	4.54	3.59	2.96	<b>39.91</b>
NIZAMSAGAR PH	0.00	0.46	0.06	0.00	0.03	0.27	0.88	1.18	0.36	0.45	0.95	0.86	1.00	<b>6.51</b>
PABM	0.00	0.02	0.06	0.05	0.06	0.99	0.80	0.68	0.53	0.15	0.09	0.18	0.12	<b>3.74</b>
MINI HYDRO&OTHERS	0.00	0.31	0.02	0.11	0.36	0.69	0.78	0.71	0.64	0.67	0.74	0.61	0.59	<b>6.23</b>
SINGUR	0.00	0.25	0.10	0.04	0.16	0.40	1.16	0.97	0.12	0.13	0.23	0.27	0.58	<b>4.42</b>
SSLM LCPH	0.00	43.92	19.00	7.49	34.63	276.57	196.73	51.14	51.14	51.14	51.14	51.14	51.14	<b>885.22</b>
Nagarjunasagar Tail Pond Dam Power House	0.00	2.64	1.32	3.31	7.27	11.90	13.88	12.56	16.53	16.53	16.53	9.92	3.31	<b>115.69</b>
Priyadarshini Jurala Hydro Electric Project- AP Share	0.00	0.00	0.00	2.33	2.33	46.56	46.56	23.28	13.97	9.31	4.66	4.66	0.00	<b>153.65</b>

Generating Station	Variable Cost Rs./kWh	Gross Energy Despatch (MU)												
		April	May	June	July	August	September	October	November	December	January	February	March	Total
Lower Jurala Hydro Electric Project	0.00	0.00	0.00	0.92	0.92	18.48	18.48	9.24	5.54	3.70	1.85	1.85	0.00	<b>60.97</b>
POCHAMPAD Stig-II	0.00	0.22	0.00	0.00	0.24	1.44	1.92	2.09	1.65	1.37	1.41	1.11	0.92	<b>12.37</b>
PULICHINTAL(New Project)	0.00	0.14	0.14	0.14	10.47	10.47	10.47	10.80	10.80	10.80	13.74	11.78	17.02	<b>106.77</b>
<b>TOTAL HYDRO</b>		<b>216.04</b>	<b>125.30</b>	<b>105.99</b>	<b>225.57</b>	<b>775.37</b>	<b>717.60</b>	<b>429.41</b>	<b>318.34</b>	<b>264.32</b>	<b>286.94</b>	<b>271.32</b>	<b>301.45</b>	<b>4037.64</b>
<b>TOTAL TSGENCO &amp; APGENCO</b>		<b>2103.13</b>	<b>1607.65</b>	<b>1742.36</b>	<b>1987.79</b>	<b>2506.04</b>	<b>2642.41</b>	<b>1971.26</b>	<b>1574.30</b>	<b>1774.62</b>	<b>2483.17</b>	<b>2267.92</b>	<b>2487.25</b>	<b>25147.92</b>
<b>Central Generating Stations</b>														
<b>NTPC</b>														
<b>NTPC (SR)</b>														
NTPC (SR)	2.44	227.98	193.81	171.60	193.81	161.15	143.00	202.09	158.39	165.79	182.92	180.74	202.09	<b>2183.36</b>
NTPC (SR) Stage III	2.60	51.20	49.53	47.98	9.60	49.53	47.98	51.70	49.99	51.70	51.70	46.74	51.70	<b>559.33</b>
<b>Total NTPC(SR)</b>		<b>279.18</b>	<b>243.34</b>	<b>219.58</b>	<b>203.41</b>	<b>210.67</b>	<b>190.98</b>	<b>253.78</b>	<b>208.38</b>	<b>217.49</b>	<b>234.62</b>	<b>227.49</b>	<b>253.78</b>	<b>2742.69</b>
<b>NTPC (ER)</b>														
Talcher Stage 2	1.38	130.25	121.07	98.73	86.54	97.37	112.07	122.90	118.94	122.90	124.26	112.17	124.26	<b>1371.46</b>
<b>Total NTPC(ER)</b>		<b>130.25</b>	<b>121.07</b>	<b>98.73</b>	<b>86.54</b>	<b>97.37</b>	<b>112.07</b>	<b>122.90</b>	<b>118.94</b>	<b>122.90</b>	<b>124.26</b>	<b>112.17</b>	<b>124.26</b>	<b>1371.46</b>
<b>Total NTPC</b>		<b>409.43</b>	<b>364.41</b>	<b>318.31</b>	<b>289.95</b>	<b>308.05</b>	<b>303.05</b>	<b>376.68</b>	<b>327.32</b>	<b>340.39</b>	<b>358.87</b>	<b>339.66</b>	<b>378.04</b>	<b>4114.15</b>
<b>NLC TS-II</b>														
Stage-I	2.26	31.32	32.47	31.51	32.18	31.60	25.53	15.71	18.50	11.56	30.35	29.97	32.18	<b>322.88</b>
Stage-II	2.22	58.13	60.11	58.39	39.46	43.03	40.25	51.77	41.57	50.58	59.58	56.27	59.71	<b>618.86</b>



Generating Station	Variable Cost Rs/kWh	Gross Energy Despatch (MU)												
		April	May	June	July	August	September	October	November	December	January	February	March	Total
<b>Total NLC</b>		<b>89.44</b>	<b>92.58</b>	<b>89.90</b>	<b>71.64</b>	<b>74.64</b>	<b>65.78</b>	<b>67.48</b>	<b>60.07</b>	<b>62.14</b>	<b>89.93</b>	<b>86.24</b>	<b>91.90</b>	<b>941.74</b>
<b>NPC</b>														
NPC-MAPS	2.14	12.00	10.86	12.00	12.09	12.00	11.62	12.00	5.81	8.90	12.00	10.86	12.00	<b>132.13</b>
NPC-Kaiga unit I	3.03	35.91	37.09	35.91	37.09	37.09	35.91	37.09	35.91	18.54	37.09	34.73	37.09	<b>419.45</b>
NPC-Kaiga unit II	3.17	19.01	39.27	38.03	39.27	39.27	38.03	39.27	38.03	39.27	39.27	36.78	39.27	<b>444.79</b>
<b>Total NPC</b>		<b>66.92</b>	<b>87.22</b>	<b>85.94</b>	<b>88.46</b>	<b>88.36</b>	<b>85.56</b>	<b>88.36</b>	<b>79.75</b>	<b>66.72</b>	<b>88.36</b>	<b>82.37</b>	<b>88.36</b>	<b>996.37</b>
<b>NTPC - Simhadri</b>														
NTPC Simhadri Stage I	2.59	316.80	327.59	316.80	327.59	327.59	316.80	327.59	168.93	327.59	327.59	306.53	327.59	<b>3718.97</b>
NTPC Simhadri Stage II	2.60	140.41	145.00	140.41	145.00	88.79	140.41	145.00	140.41	145.00	145.00	135.82	145.00	<b>1656.25</b>
<b>Total NTPC-Simhadri</b>		<b>457.21</b>	<b>472.59</b>	<b>457.21</b>	<b>472.59</b>	<b>416.38</b>	<b>457.21</b>	<b>472.59</b>	<b>309.34</b>	<b>472.59</b>	<b>472.59</b>	<b>442.36</b>	<b>472.59</b>	<b>5375.22</b>
<b>CGS - New</b>														
Vallur Thermal Power Plant	2.02	53.43	53.43	47.40	44.38	39.64	53.43	53.43	53.43	53.43	53.43	53.43	53.43	<b>612.33</b>
Tuticorin	2.70	69.15	71.45	69.15	71.45	71.45	69.15	71.45	69.15	71.45	71.45	64.54	71.45	<b>841.31</b>
<b>TOTAL CGS</b>		<b>1145.59</b>	<b>1141.69</b>	<b>1067.90</b>	<b>1038.47</b>	<b>998.52</b>	<b>1034.19</b>	<b>1129.99</b>	<b>899.06</b>	<b>1066.72</b>	<b>1134.64</b>	<b>1068.59</b>	<b>1155.77</b>	<b>12881.12</b>
<b>APGPCL</b>														
APGPCL I - Allocated capacity	2.74	1.78	1.84	1.78	1.84	1.28	1.78	1.84	0.00	1.84	1.84	1.72	1.84	<b>19.34</b>
APGPCL II - Allocated capacity	2.66	6.00	6.20	6.00	6.20	6.20	6.00	6.19	6.00	6.20	6.20	5.20	6.20	<b>72.55</b>
<b>Total APGPCL</b>		<b>7.77</b>	<b>8.03</b>	<b>7.77</b>	<b>8.03</b>	<b>7.47</b>	<b>7.77</b>	<b>8.03</b>	<b>6.00</b>	<b>8.03</b>	<b>8.03</b>	<b>6.91</b>	<b>8.03</b>	<b>91.88</b>

Generating Station	Variable Cost Rs./kWh	Gross Energy Despatch (MU)												
		April	May	June	July	August	September	October	November	December	January	February	March	Total
<b>IPPS</b>														
GVK	2.85	39.89	39.75	47.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>126.86</b>
Spectrum	2.80	45.05	40.04	44.03	41.48	39.52	35.87	39.80	0.00	51.81	57.57	53.08	50.93	<b>499.18</b>
Kondapalli (Gas)	2.72	58.49	60.44	58.49	60.44	60.44	58.49	60.44	58.49	60.44	0.00	0.00	0.00	<b>536.17</b>
BSES	2.44	20.89	20.89	20.89	20.89	20.89	20.89	20.89	20.89	20.89	20.89	20.89	20.89	<b>250.65</b>
<b>TOTAL IPPS</b>		<b>164.31</b>	<b>161.12</b>	<b>170.63</b>	<b>122.81</b>	<b>120.85</b>	<b>115.25</b>	<b>121.13</b>	<b>79.38</b>	<b>133.14</b>	<b>78.46</b>	<b>73.97</b>	<b>71.82</b>	<b>1412.86</b>
<b>NCE</b>														
NCE - Bio-Mass	5.85	10.20	13.39	13.85	11.07	10.61	10.20	13.39	13.85	14.01	11.07	10.61	10.61	<b>142.86</b>
NCE - Bagasse	4.11	9.21	13.31	2.78	6.79	4.95	0.00	4.50	15.72	15.41	12.76	48.65	48.65	<b>182.73</b>
NCE - Municipal Waste to Energy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>
NCE - Industrial Waste based power project	5.85	1.21	2.31	3.01	2.63	2.26	1.21	2.31	3.01	4.23	2.63	2.26	2.26	<b>29.33</b>
NCE - Wind Power	4.63	13.51	31.40	100.84	106.07	118.24	57.78	57.78	66.76	20.82	43.08	41.26	52.41	<b>709.95</b>
NCE - Mini Hydel	2.22	0.34	0.00	0.00	0.12	0.62	0.62	0.00	0.00	0.00	0.00	0.34	0.34	<b>2.38</b>
NCE - NCL Energy Ltd	2.22	0.00	0.00	0.00	6.78	5.56	5.56	6.78	3.50	0.00	0.00	0.00	0.00	<b>28.18</b>
NCE-Others	6.49	60.88	60.76	57.91	55.92	55.79	62.70	60.25	59.58	59.27	54.83	59.77	59.77	<b>707.43</b>
<b>TOTAL NCE</b>		<b>95.35</b>	<b>121.17</b>	<b>178.39</b>	<b>189.38</b>	<b>198.03</b>	<b>138.07</b>	<b>145.01</b>	<b>162.42</b>	<b>113.74</b>	<b>124.37</b>	<b>162.89</b>	<b>174.04</b>	<b>1802.86</b>
<b>OTHERS</b>														
KSK Mahanadi (MT)	2.35	93.07	136.32	131.92	136.32	136.32	131.92	136.32	131.92	136.32	136.32	127.53	136.32	<b>1570.60</b>
Hinduja	2.29	0.00	0.00	206.18	206.18	411.70	398.39	411.70	398.39	411.70	411.70	385.09	411.70	<b>3652.74</b>

Generating Station	Variable Cost	Gross Energy Despatch (MU)												
	Rs/kWh	April	May	June	July	August	September	October	November	December	January	February	March	Total
Thermal Power Tech	1.82	144.07	170.40	164.90	170.40	164.90	170.40	164.90	170.40	170.40	159.41	170.40	170.40	1990.99
<b>TOTAL OTHERS</b>		<b>237.14</b>	<b>306.72</b>	<b>503.01</b>	<b>512.90</b>	<b>712.92</b>	<b>700.71</b>	<b>712.92</b>	<b>700.71</b>	<b>718.42</b>	<b>707.43</b>	<b>683.02</b>	<b>718.42</b>	<b>7214.33</b>
<b>MARKET</b>														
Jhajjar	5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL MARKET</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>TOTAL (From All Sources)</b>		<b>3753.30</b>	<b>3346.38</b>	<b>3670.07</b>	<b>3859.38</b>	<b>4543.83</b>	<b>4638.41</b>	<b>4088.35</b>	<b>3421.87</b>	<b>3814.67</b>	<b>4536.09</b>	<b>4263.30</b>	<b>4615.33</b>	<b>48550.97</b>

**ANNEXURE - VI**  
**ENERGY REQUIREMENT AT THE STATE PERIPHERY FOR FY 2015-16**

Particulars	TSSPDCL	TSNPDCL
Total Energy delivered into 33 KV Distribution System from EHT SSs	30498.37	11529.35
Energy consumed by HT consumers at 33KV (Sales + Third Party)	5838.89	297.97
Energy Delivered into 11 KV and LT System from 33/11 KV SSs	23442.60	10770.20
Losses (33 kV System)	1216.89	461.17
% Losses (33 kV System)	3.99%	4.00%
Total Energy delivered into 11 KV and LT Distribution System	23442.60	10770.20
Energy consumed by HT consumers at 11KV (Sales + Third Party)	4464.75	1447.98
Total Output from 11kV to LT	17805.72	8864.49
Losses (11kV System)	1172.13	457.73
% Losses (11kV System)	5.00%	4.25%
Energy delivered to LT system from 11/400 V DTRs	17805.72	8864.49
Energy sold to metered categories	9630.31	3739.58
Energy sold to un-metered categories	7018.04	4593.04
Losses (LT System)	1157.37	531.87
% Losses (LT System)	6.50%	6.00%
Total Input to the distribution system	30498.37	11529.35
Total Output from the Distribution Sytem	26951.99	10078.57
EHT Sales	3067.46	1504.04
Distribution System Losses	3546.39	1450.78
% Distribution System Losses ( Excluding EHT Sales)	11.63%	12.58%
% Distribution System Losses ( Including EHT Sales)	10.57%	11.13%
Total Energy available at 132 kV	33565.83	13033.39
TRANSCO losses	4.02%	4.02%
<b>Total Energy reqd. at State Periphery</b>	<b>34971.69</b>	<b>13579.27</b>

**ANNEXURE - VII**  
**TSGENCO & APGENCO STATION WISE FIXED COSTS FOR FY 2015-16**

S. No.	Generating Station	Plant Capacity (MW)	Energy Availability (Telangana Share) (MU)	Energy Despatch (MU)	Fixed Cost (Telangana Share)
					Rs. Cr
<b>TSGENCO &amp; APGENCO</b>					
1	VTPS I	420.00	1518.59	1053.25	92.52
2	VTPS II	420.00	1520.77	1039.77	92.52
3	VTPS III	420.00	1545.71	928.14	92.52
4	VTPS IV	500.00	1938.65	1938.65	253.06
5	RTPP I	420.00	1530.38	0.00	130.33
6	RTPP Stage-II	420.00	1562.27	324.20	213.49
7	RTPP Stage-III	210.00	769.22	0.00	143.58
8	KTPS A	240.00	824.03	824.03	70.10
9	KTPS B	240.00	788.78	788.78	70.10
10	KTPS C	240.00	832.85	832.85	70.10
11	KTPS D	500.00	1766.97	1766.97	127.26
12	KTPS Stage VI	500.00	1856.06	1565.10	312.05
13	RTS B	62.50	219.38	219.38	25.93
14	Kakatiya Thermal Power Plant Stage I	500.00	1910.01	1910.01	311.93
15	Kakatiya Thermal Power Plant Stage II	600.00	2269.33	2269.33	274.57
16	Damodaram Sanjeevaiah Thermal power plant - I	800.00	2824.91	2824.91	581.31
17	Damodaram Sanjeevaiah Thermal power plant - II	800.00	2824.91	2824.91	581.31
	<b>Total Thermal</b>	<b>7292.50</b>	<b>26502.80</b>	<b>21110.28</b>	<b>3442.68</b>
<b>HYDRO</b>					
18	MACHKUND PH AP Share	84.00	182.14	182.14	5.64
19	TUNGBHADRA PH AP Share	57.60	77.25	77.25	3.87
20	USL	240.00	239.25	239.25	23.44
21	LSR	460.00	584.08	584.08	44.94
22	DONKARAYI	25.00	52.36	52.36	2.44

S. No.	Generating Station	Plant Capacity (MW)	Energy Availability (Telangana Share) (MU)	Energy Despatch (MU)	Fixed Cost (Telangana Share)
					Rs. Cr
23	SSLM RBPH	770.00	732.70	732.70	82.39
24	NSPH	815.60	656.56	656.56	75.32
25	NSRCPH	90.00	80.94	80.94	7.16
26	NSLCPH	60.00	36.88	36.88	5.54
27	POCHAMPAD PH	36.00	39.91	39.91	7.08
28	NIZAMSAGAR PH	10.00	6.51	6.51	1.97
29	PABM	20.00	3.74	3.74	4.45
30	MINI HYDRO&OTHERS	1.00	6.23	6.23	3.46
31	SINGUR	15.00	4.42	4.42	2.95
32	SSLM LCPH	900.00	885.22	885.22	255.06
33	Nagarjunasagar Tail Pond Dam Power House	50.00	115.69	115.69	26.42
34	Priyadarshini Jurala Hydro Electric Project- AP Share	234.00	153.65	153.65	66.18
35	Lower Jurala Hydro Electric Project	240.00	60.97	60.97	87.99
36	POCHAMPAD Stig-II	9.00	12.37	12.37	3.18
37	PULICHINTAL(New Project)	120.00	106.77	106.77	36.26
	<b>Total Hydro</b>	<b>4237.20</b>	<b>4037.64</b>	<b>4037.64</b>	<b>745.74</b>
	<b>Total TSGENCO &amp; APGENCO</b>	<b>11529.70</b>	<b>30540.44</b>	<b>25147.92</b>	<b>4188.42</b>

**ANNEXURE - VIII**  
**TSSPDCL - CATEGORY WISE AND MONTH WISE SALES FOR FY 2015-16**

Sales / Forecast Sales (MU)	April	May	June	July	August	September	October	November	December	January	February	March	Total
<b>LT Category</b>	<b>1477.93</b>	<b>1369.64</b>	<b>1288.07</b>	<b>1367.22</b>	<b>1471.82</b>	<b>1446.81</b>	<b>1247.89</b>	<b>1110.91</b>	<b>1295.15</b>	<b>1502.33</b>	<b>1380.76</b>	<b>1689.81</b>	<b>16648.35</b>
Category I (A&B) - Domestic	652.18	693.64	611.65	537.52	567.74	586.77	525.15	472.23	455.21	485.65	460.52	606.70	<b>6654.96</b>
Category II (A,B& C) - Non-domestic/Commercial	187.85	200.18	179.51	164.90	165.85	173.06	162.82	150.71	144.80	154.59	145.14	180.36	<b>2009.79</b>
Category III (A & B) - Industrial	65.81	70.02	63.50	65.26	63.72	65.10	62.62	70.64	76.55	72.87	64.61	68.12	<b>808.81</b>
Category IV (A,B&C) - Cottage Industries & Dhobighats	0.78	0.79	0.70	0.82	0.69	0.75	0.71	0.79	0.74	0.86	0.72	0.82	<b>9.19</b>
Category V (A, B & C) - Irrigation and Agriculture	501.42	336.41	365.17	528.87	603.28	551.57	430.78	347.37	545.90	713.51	636.48	757.25	<b>6318.00</b>
Category VI (A & B) - Local Bodies, St. Lighting & PWS	64.95	63.95	62.59	64.74	65.45	64.65	61.26	64.49	68.17	70.41	68.87	71.20	<b>790.72</b>
Category VII (A & B) - General Purpose	4.87	4.58	4.88	5.08	5.03	4.85	4.49	4.61	3.73	4.37	4.34	5.28	<b>56.11</b>
Category VIII (A & B) - Temporary Supply	0.07	0.07	0.06	0.04	0.06	0.06	0.06	0.07	0.06	0.06	0.07	0.08	<b>0.77</b>
<b>HT Category at 11 KV</b>	<b>375.53</b>	<b>382.66</b>	<b>421.89</b>	<b>366.70</b>	<b>364.35</b>	<b>380.64</b>	<b>354.05</b>	<b>365.25</b>	<b>360.82</b>	<b>366.73</b>	<b>384.80</b>	<b>341.34</b>	<b>4464.75</b>
HT-I Industry Segregated	250.28	248.23	264.53	246.66	246.69	256.82	238.52	253.24	258.16	261.13	274.66	237.51	<b>3036.43</b>
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	<b>0.00</b>
HT-II - Others	107.15	119.38	141.98	106.88	103.14	107.92	98.75	94.62	86.53	88.04	92.43	86.81	<b>1233.61</b>
HT-III Airports, Railway and Busstations	0.39	0.50	0.43	0.36	0.46	0.51	0.40	0.36	0.35	0.37	0.35	0.33	<b>4.81</b>

Sales / Forecast Sales (MU)	April	May	June	July	August	September	October	November	December	January	February	March	Total
HT -IV A Private Irrigation & Agriculture	4.33	0.88	0.54	0.70	1.42	2.47	3.44	3.44	2.54	3.90	4.63	4.64	<b>32.92</b>
HT- IV B - CP Water Supply Schemes	3.12	3.21	3.20	2.73	3.06	3.26	2.78	3.28	2.96	2.81	2.86	2.83	<b>36.10</b>
HT-VI Townships and Residential Colonies	7.01	7.50	8.02	6.61	6.47	6.41	6.62	6.74	6.59	6.67	6.04	5.98	<b>80.66</b>
HT-VII - Green Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>
HT -VIII - Temporary Supply	3.25	2.95	3.19	2.76	3.10	3.26	3.55	3.56	3.69	3.82	3.84	3.24	<b>40.22</b>
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	<b>0.00</b>
<b>HT Category at 33 KV</b>	<b>483.91</b>	<b>448.72</b>	<b>514.95</b>	<b>483.26</b>	<b>477.38</b>	<b>467.14</b>	<b>491.39</b>	<b>446.12</b>	<b>446.07</b>	<b>513.22</b>	<b>594.06</b>	<b>472.67</b>	<b>5838.89</b>
HT-I Industry Segregated	421.87	386.89	444.90	420.77	415.33	404.85	425.19	383.60	386.59	451.81	518.90	410.79	<b>5071.48</b>
HT-I (B) Ferro-Alloys	6.79	7.11	8.27	7.02	7.41	8.69	9.54	8.27	10.85	11.73	12.88	9.75	<b>108.31</b>
HT-II - Others	49.25	50.02	56.85	51.27	49.64	48.35	51.55	49.58	44.40	44.62	56.77	47.07	<b>599.35</b>
HT-III Airports, Railway and Busstations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>
HT -IV A Private Irrigation & Agriculture	1.54	0.31	0.10	0.35	1.37	1.66	1.90	1.36	1.09	1.88	2.16	1.89	<b>15.60</b>
HT- IV B - CP Water Supply Schemes	0.40	0.36	0.29	0.31	0.31	0.30	0.08	0.25	0.26	0.27	0.25	0.26	<b>3.33</b>
HT-VI Townships and Residential Colonies	4.07	4.03	4.54	3.54	3.31	3.29	3.14	3.07	2.89	2.93	3.10	2.93	<b>40.83</b>
HT-VII - Green Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>
HT -VIII - 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	<b>0.00</b>



Sales / Forecast Sales (MU)	April	May	June	July	August	September	October	November	December	January	February	March	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
<b>HT Category at 132 KV</b>	<b>226.59</b>	<b>210.93</b>	<b>221.53</b>	<b>244.42</b>	<b>348.34</b>	<b>345.82</b>	<b>318.48</b>	<b>217.99</b>	<b>210.30</b>	<b>243.32</b>	<b>253.45</b>	<b>226.29</b>	<b>3067.46</b>
HT-I Industry Segregated	178.51	169.61	175.48	182.59	193.72	198.14	174.56	170.17	165.26	191.37	193.92	167.22	<b>2160.55</b>
HT-I (B) Ferro-Alloys	7.92	9.19	9.41	12.84	13.73	9.67	5.61	6.18	7.29	7.08	9.15	8.84	<b>106.90</b>
HT-II - Others	5.06	5.36	6.02	5.75	5.83	6.64	5.79	5.83	5.41	6.50	7.28	7.15	<b>72.63</b>
HT-III Airports, Railway and Busstations	5.12	5.09	5.50	5.05	5.12	5.68	5.39	5.08	4.76	5.49	5.92	5.76	<b>63.95</b>
HT -IV A Private Irrigation & Agriculture	14.84	6.51	10.58	23.29	115.23	109.64	110.33	13.42	11.75	12.46	17.02	17.93	<b>463.00</b>
HT- IV B - CP Water Supply Schemes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>
HT-V Railway Traction	15.14	15.16	14.54	14.90	14.70	16.04	16.80	17.31	15.84	20.41	20.17	19.40	<b>200.42</b>
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	<b>0.00</b>
HT-VII - Green Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>
HT -VIII - 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	<b>0.00</b>
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	<b>0.00</b>
<b>Total</b>	<b>2563.96</b>	<b>2411.95</b>	<b>2446.44</b>	<b>2461.60</b>	<b>2661.89</b>	<b>2640.41</b>	<b>2411.81</b>	<b>2140.27</b>	<b>2312.35</b>	<b>2625.59</b>	<b>2613.06</b>	<b>2730.12</b>	<b>30019.45</b>

**ANNEXURE - IX**  
**TSNPDCL - CATEGORY WISE AND MONTH WISE SALES FOR FY 2015-16**

Sales / Forecast Sales (MU)	April	May	June	July	August	September	October	November	December	January	February	March	Total
<b>LT Category</b>	<b>746.99</b>	<b>535.15</b>	<b>562.69</b>	<b>687.22</b>	<b>785.62</b>	<b>780.45</b>	<b>669.76</b>	<b>539.28</b>	<b>644.29</b>	<b>797.28</b>	<b>772.03</b>	<b>811.87</b>	<b>8332.62</b>
Category I (A&B) - Domestic	241.98	242.94	273.90	252.85	253.77	256.32	238.47	228.14	202.88	187.31	208.14	193.63	<b>2780.32</b>
Category II (A,B& C) - Non-domestic/Commercial	49.73	47.67	54.44	54.19	51.08	50.48	48.71	45.86	43.62	43.66	47.11	41.30	<b>577.85</b>
Category III (A & B) - Industrial	24.64	25.58	25.83	22.24	20.41	20.63	17.59	18.47	26.45	31.35	25.19	22.45	<b>280.83</b>
Category IV (A,B&C) - Cottage Industries & Dhobighats	0.58	0.68	0.57	0.57	0.59	0.55	0.67	0.52	0.54	0.58	0.58	0.50	<b>6.92</b>
Category V (A, B & C) - Irrigation and Agriculture	399.76	192.39	180.11	327.93	428.09	421.65	337.19	219.78	343.14	504.68	459.57	525.73	<b>4340.01</b>
Category VI (A & B) - Local Bodies, St. Lighting & PWS	26.67	23.41	25.51	26.41	28.11	27.38	24.03	23.58	24.65	26.78	28.41	25.26	<b>310.22</b>
Category VII (A & B) - General Purpose	3.61	2.49	2.33	3.04	3.56	3.44	3.11	2.93	3.02	2.92	3.04	2.98	<b>36.47</b>
Category VIII (A & B) - 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	<b>0.00</b>
<b>HT Category at 11 KV</b>	<b>137.21</b>	<b>108.31</b>	<b>105.18</b>	<b>119.37</b>	<b>126.27</b>	<b>128.58</b>	<b>99.37</b>	<b>95.71</b>	<b>117.55</b>	<b>141.72</b>	<b>144.69</b>	<b>124.01</b>	<b>1447.98</b>
HT-I Industry Segregated	49.57	50.08	44.62	43.84	42.37	48.95	29.08	44.63	56.76	54.99	53.73	45.64	<b>564.24</b>
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	<b>0.00</b>
HT-II - Others	9.81	9.07	9.70	9.34	9.45	9.47	7.49	6.91	6.41	7.05	8.03	7.67	<b>100.40</b>
HT-III Airports, Railway and Busstations	0.80	0.88	0.88	0.81	0.78	0.74	0.69	0.61	0.57	0.62	0.66	0.58	<b>8.63</b>

Sales / Forecast Sales (MU)	April	May	June	July	August	September	October	November	December	January	February	March	Total
HT -IV A Private Irrigation & Agriculture	3.40	0.85	0.16	0.88	2.61	2.58	4.05	3.48	1.61	3.31	4.25	3.84	<b>31.02</b>
HT- IV B - CP Water Supply Schemes	1.41	1.26	1.34	1.13	1.25	1.37	0.88	0.99	0.85	0.77	0.87	0.83	<b>12.95</b>
HT-VI Townships and Residential Colonies	1.62	1.52	1.77	1.60	1.59	1.52	1.43	1.26	1.29	1.18	1.27	1.27	<b>17.32</b>
HT-VII - Green Power													<b>0.00</b>
HT -VIII - Temporary Supply													<b>0.00</b>
HT - RESCOs	70.60	44.65	46.71	61.77	68.22	63.95	55.75	37.84	50.07	73.80	75.88	64.18	<b>713.42</b>
<b>HT Category at 33 KV</b>	<b>28.83</b>	<b>22.91</b>	<b>22.59</b>	<b>21.86</b>	<b>23.31</b>	<b>25.86</b>	<b>23.52</b>	<b>27.27</b>	<b>29.79</b>	<b>25.54</b>	<b>24.25</b>	<b>22.25</b>	<b>297.97</b>
HT-I Industry Segregated	18.50	14.90	14.09	13.34	14.12	14.95	12.67	13.43	15.31	13.43	14.91	13.85	<b>173.49</b>
HT-I (B) Ferro-Alloys	3.86	3.55	3.95	3.74	4.09	4.07	3.54	3.92	4.07	3.66	4.04	4.54	<b>47.03</b>
HT-II - Others	1.15	0.90	0.79	0.82	0.95	0.96	0.58	0.66	0.62	0.71	0.87	0.74	<b>9.74</b>
HT-III Airports, Railway and Busstations													<b>0.00</b>
HT -IV A Private Irrigation & Agriculture	1.42	0.11	0.05	0.21	0.27	2.21	3.61	6.66	7.07	4.97	1.50	0.46	<b>28.54</b>
HT- IV B - CP Water Supply Schemes													<b>0.00</b>
HT-VI Townships and Residential Colonies	3.91	3.45	3.71	3.75	3.87	3.67	3.13	2.60	2.72	2.77	2.93	2.67	<b>39.17</b>
HT-VII - Green Power													<b>0.00</b>
HT -VIII - Temporary Supply													<b>0.00</b>

Sales / Forecast Sales (MU)	April	May	June	July	August	September	October	November	December	January	February	March	Total
HT - RESCOs													0.00
<b>HT Category at 132 KV</b>	<b>101.83</b>	<b>99.08</b>	<b>94.10</b>	<b>122.41</b>	<b>128.53</b>	<b>187.57</b>	<b>179.91</b>	<b>143.85</b>	<b>131.49</b>	<b>114.46</b>	<b>103.40</b>	<b>97.39</b>	<b>1504.04</b>
HT-I Industry Segregated	50.12	47.20	45.32	49.99	42.81	49.36	49.57	50.45	46.79	51.21	53.16	49.98	585.96
HT-I (B) Ferro-Alloys													0.00
HT-II - Others	0.58	0.00	0.01	0.01	0.04	0.01	0.11	0.01	0.02	0.01	0.49	0.45	1.74
HT-III Airports, Railway and Busstations													0.00
HT -IV A Private Irrigation & Agriculture	1.38	3.81	0.79	25.70	39.80	91.68	80.09	48.08	40.48	16.16	3.42	1.19	352.58
HT- IV B - CP Water Supply Schemes													0.00
HT-V Railway Traction	40.75	39.24	38.52	38.53	38.19	38.33	40.52	38.43	38.44	41.12	39.89	38.89	470.83
HT-VI Townships and Residential Colonies	9.01	8.83	9.46	8.19	7.70	8.21	9.62	6.88	5.76	5.95	6.44	6.88	92.93
HT-VII - Green Power													0.00
HT -VIII - 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
<b>Total</b>	<b>1014.87</b>	<b>765.46</b>	<b>784.55</b>	<b>950.86</b>	<b>1063.73</b>	<b>1122.46</b>	<b>972.56</b>	<b>806.11</b>	<b>923.13</b>	<b>1078.99</b>	<b>1044.37</b>	<b>1055.52</b>	<b>11582.61</b>

**ANNEXURE - X**  
**TSSPDCL - COST OF SERVICE**

SPDCL	Generation					
	Demand			Energy		
LT	Cost (Rs Cr)	Rate Basis - Contracts/NCP G-T interface (MW)	CoS - Rs/kVA/ Month	Cost (Rs Cr)	Recovery Basis - Energy Sales (MU)	CoS - Rs/kWh
LT Cat I - Domestic	1,679.52	2,097.55	667.25	2,007.96	6,654.96	3.02
LT Cat II - Non-domestic	511.13	643.99	661.41	618.85	2,009.79	3.08
LT Cat III (A & B) - Industrial	150.38	191.56	654.18	257.39	808.81	3.18
LT Cat IV - Cottage Industries & Dhobighats	1.74	2.26	640.80	3.02	9.19	3.29
LT Cat V - Irrigation and Agriculture	295.99	2,278.68	108.25	1,834.90	6,318.00	2.90
LT Cat VI - Local Bodies, St. Lighting & PWS	199.11	250.15	663.29	233.91	790.72	2.96
LT Cat VII - General Purpose	14.27	18.00	661.01	16.67	56.11	2.97
LT Cat VIII - Temporary	0.23	0.30	628.76	0.23	0.77	2.98
<b>HT</b>						
HT Cat I - Industry - General (11 kV)	455.25	1,414.21	268.26	775.43	3,036.43	2.55
HT Cat I - Industry - General (33 kV)	699.56	1,291.26	451.47	1,253.88	5,071.48	2.47
HT Cat I - Industry - General (220/132 kV)	328.42	14.76	18,548.06	528.85	2,160.55	2.45
HT I(B)- Ferro Alloys(33 kV)	13.94	29.27	397.00	26.78	108.31	2.47
HT I(B)- Ferro Alloys(132 kV)	12.82	30.47	350.77	26.17	106.90	2.45
HT Cat II - Industry - Other (11 kV)	196.90	711.92	230.48	321.45	1,233.61	2.61
HT Cat II - Industry - Other (33 kV)	117.55	210.59	465.15	151.43	599.35	2.53
HT Cat II - Industry - Other (220/132 kV)	11.55	24.48	393.07	19.40	72.63	2.67
HT Cat III- Airports, Buses & Railways(11KV)	0.54	4.87	92.81	1.21	4.81	2.53
HT Cat III- Airports, Buses & Railways(132KV)	9.59	11.46	697.29	15.65	63.95	2.45
HT Cat IV - Irrigation & Agriculture (11 kV)	7.26	34.21	176.90	17.43	69.02	2.53
HT Cat IV - Irrigation & Agriculture (33 kV)	1.91	9.11	175.12	4.68	18.93	2.47
HT Cat IV - Irrigation & Agriculture (132 kV)	46.38	220.43	175.33	113.33	463.00	2.45
HT Cat V - Railway Traction (EHT)	38.36	82.31	388.42	49.06	200.42	2.45
HT Cat VI - Colony Consumption	25.53	56.90	373.97	31.37	121.49	2.58
HT Rural Co-operatives (11 kV)	0.00	0.00	NA	0.00	0.00	NA
HT Temporary	6.38	8.47	628.24	10.20	40.22	2.53
<b>TOTAL</b>	<b>4,824.34</b>	<b>9,637.20</b>	<b>417.16</b>	<b>8,319.25</b>	<b>30,019.44</b>	<b>2.77</b>

SPDCL	Transmission - Inter-State			Transmission - Intra-State		
	Demand			Demand		
LT	Cost (Rs Cr)	Rate Basis - Contracts/NCP G-T interface (MW)	CoS - Rs/kVA/ Month	Cost (Rs Cr)	Rate Basis - Contracts/NCP G-T interface (MW)	CoS - Rs/kVA/ Month
LT Cat I - Domestic	56.41	2,097.55	22.41	174.34	2,097.55	69.26
LT Cat II - Non-domestic	17.32	643.99	22.41	53.53	643.99	69.26
LT Cat III (A & B) - Industrial	5.15	191.56	22.41	15.92	191.56	69.26
LT Cat IV - Cottage Industries & Dhobighats	0.06	2.26	22.41	0.19	2.26	69.26
LT Cat V - Irrigation and Agriculture	61.28	2,278.68	22.41	189.40	2,278.68	69.26
LT Cat VI - Local Bodies, St. Lighting & PWS	6.73	250.15	22.41	20.79	250.15	69.26
LT Cat VII - General Purpose	0.48	18.00	22.41	1.50	18.00	69.26
LT Cat VIII - Temporary	0.01	0.30	22.41	0.03	0.30	69.26
<b>HT</b>						
HT Cat I - Industry - General (11 kV)	43.45	1,414.21	25.60	134.28	1,414.21	79.13
HT Cat I - Industry - General (33 kV)	39.67	1,291.26	25.60	122.61	1,291.26	79.13
HT Cat I - Industry - General (220/132 kV)	0.45	14.76	25.60	1.40	14.76	79.13
HT I(B)- Ferro Alloys(33 kV)	0.90	29.27	25.60	2.78	29.27	79.13
HT I(B)- Ferro Alloys(132 kV)	0.94	30.47	25.60	2.89	30.47	79.13
HT Cat II - Industry - Other (11 kV)	21.87	711.92	25.60	67.60	711.92	79.13
HT Cat II - Industry - Other (33 kV)	6.47	210.59	25.60	20.00	210.59	79.13
HT Cat II - Industry - Other (220/132 kV)	0.75	24.48	25.60	2.32	24.48	79.13
HT Cat III- Airports, Buses & Railways(11KV)	0.15	4.87	25.60	0.46	4.87	79.13
HT Cat III- Airports, Buses & Railways(132KV)	0.35	11.46	25.60	1.09	11.46	79.13
HT Cat IV - Irrigation & Agriculture (11 kV)	0.92	34.21	22.41	2.84	34.21	69.26
HT Cat IV - Irrigation & Agriculture (33 kV)	0.25	9.11	22.41	0.76	9.11	69.26
HT Cat IV - Irrigation & Agriculture (132 kV)	5.93	220.43	22.41	18.32	220.43	69.26
HT Cat V - Railway Traction (EHT)	2.53	82.31	25.60	7.82	82.31	79.13
HT Cat VI - Colony Consumption	1.75	56.90	25.60	5.40	56.90	79.13
HT Rural Co-operatives (11 kV)	0.00	0.00	NA	0.00	0.00	NA
HT Temporary	0.23	8.47	22.41	0.70	8.47	69.26
<b>TOTAL</b>	<b>274.06</b>	<b>9,637.20</b>	<b>23.70</b>	<b>846.96</b>	<b>9,637.20</b>	<b>73.24</b>

SPDCL	Distribution			Retail Supply		
	Demand			Energy		
LT	Cost (Rs Cr)	Rate Basis - Contracts/NCP T-D interface (MW)	CoS - Rs/kVA/ Month	Cost (Rs Cr)	Rate Basis - Energy Sales (MU)	CoS - Rs/kVA/ Month
LT Cat I - Domestic	528.84	1,848.52	238.40	51.76	6,655	0.08
LT Cat II - Non-domestic	159.71	558.25	238.40	15.95	2,010	0.08
LT Cat III (A & B) - Industrial	45.37	158.58	238.40	6.63	809	0.08
LT Cat IV - Cottage Industries & Dhobighats	0.52	1.80	238.40	0.08	9	0.08
LT Cat V - Irrigation and Agriculture	602.47	2,105.91	238.40	47.30	6,318	0.07
LT Cat VI - Local Bodies, St. Lighting & PWS	64.17	224.31	238.40	6.03	791	0.08
LT Cat VII - General Purpose	4.55	15.92	238.40	0.43	56	0.08
LT Cat VIII - Temporary	0.06	0.22	238.40	0.01	1	0.08
<b>HT</b>						
HT Cat I - Industry - General (11 kV)	240.02	1,357.36	147.36	19.99	3,036	0.07
HT Cat I - Industry - General (33 kV)	38.78	1,239.35	26.08	32.32	5,071	0.06
HT Cat I - Industry - General (220/132 kV)	0.00		NA	13.63	2,161	0.06
HT I(B)- Ferro Alloys(33 kV)	0.88	28.09	26.08	0.69	108	0.06
HT I(B)- Ferro Alloys(132 kV)	0.00	0.00	NA	0.67	107	0.06
HT Cat II - Industry - Other (11 kV)	120.83	683.30	147.36	8.29	1,234	0.07
HT Cat II - Industry - Other (33 kV)	6.32	202.12	26.08	3.90	599	0.07
HT Cat II - Industry - Other (220/132 kV)	0.00		NA	0.50	73	0.07
HT Cat III- Airports, Buses & Railways(11KV)	0.83	4.67	147.36	0.03	5	0.07
HT Cat III- Airports, Buses & Railways(132KV)	0.00	0.00	NA	0.40	64	0.06
HT Cat IV - Irrigation & Agriculture (11 kV)	5.72	32.36	147.36	0.45	69	0.07
HT Cat IV - Irrigation & Agriculture (33 kV)	0.27	8.72	26.08	0.12	19	0.06
HT Cat IV - Irrigation & Agriculture (132 kV)	0.00	0.00	NA	2.92	463	0.06
HT Cat V - Railway Traction (EHT)	0.00		NA	1.26	200	0.06
HT Cat VI - Colony Consumption	9.91	56.07	147.36	0.81	121	0.07
HT Rural Co-operatives (11 kV)	0.00	0.00	NA	0.00	0	NA
HT Temporary	1.39	7.86	147.36	0.26	40	0.07
<b>TOTAL</b>	<b>1,830.64</b>	<b>8,533.42</b>	<b>178.77</b>	<b>214.43</b>	<b>30,019</b>	<b>0.07</b>

SPDCL	Cost Allocation (Rs Cr)				
	Demand - G	Demand - T	Demand - D	Energy	Customer
<b>LT</b>	<b>Rs Crores</b>				
LT Cat I - Domestic	1,679.52	230.75	528.84	2,059.71	0.00
LT Cat II - Non-domestic	511.13	70.85	159.71	634.80	0.00
LT Cat III (A & B) - Industrial	150.38	21.07	45.37	264.02	0.00
LT Cat IV - Cottage Industries & Dhobighats	1.74	0.25	0.52	3.10	0.00
LT Cat V - Irrigation and Agriculture	295.99	250.68	602.47	1,882.20	0.00
LT Cat VI - Local Bodies, St. Lighting & PWS	199.11	27.52	64.17	239.94	0.00
LT Cat VII - General Purpose	14.27	1.98	4.55	17.10	0.00
LT Cat VIII - Temporary	0.23	0.03	0.06	0.23	0.00
<b>HT</b>					
HT Cat I - Industry - General (11 kV)	455.25	177.73	240.02	795.42	0.00
HT Cat I - Industry - General (33 kV)	699.56	162.28	38.78	1,286.20	0.00
HT Cat I - Industry - General (220/132 kV)	328.42	1.85	0.00	542.48	0.00
HT I(B)- Ferro Alloys(33 kV)	13.94	3.68	0.88	27.47	0.00
HT I(B)- Ferro Alloys(132 kV)	12.82	3.83	0.00	26.84	0.00
HT Cat II - Industry - Other (11 kV)	196.90	89.47	120.83	329.74	0.00
HT Cat II - Industry - Other (33 kV)	117.55	26.47	6.32	155.33	0.00
HT Cat II - Industry - Other (220/132 kV)	11.55	3.08	0.00	19.90	0.00
HT Cat III- Airports, Buses & Railways(11KV)	0.54	0.61	0.83	1.25	0.00
HT Cat III- Airports, Buses & Railways(132KV)	9.59	1.44	0.00	16.06	0.00
HT Cat IV - Irrigation & Agriculture (11 kV)	7.26	3.76	5.72	17.88	0.00
HT Cat IV - Irrigation & Agriculture (33 kV)	1.91	1.00	0.27	4.80	0.00
HT Cat IV - Irrigation & Agriculture (132 kV)	46.38	24.25	0.00	116.25	0.00
HT Cat V - Railway Traction (EHT)	38.36	10.34	0.00	50.32	0.00
HT Cat VI - Colony Consumption	25.53	7.15	9.91	32.18	0.00
HT Rural Co-operatives (11 kV)	0.00	0.00	0.00	0.00	0.00
HT Temporary	6.38	0.93	1.39	10.46	0.00
<b>TOTAL</b>	<b>4,824.34</b>	<b>1,121.02</b>	<b>1,830.64</b>	<b>8,533.68</b>	<b>0.00</b>



SPDCL	Cost Allocation (Rs Cr.)			Total Cost	Sales	Per unit Cost
	Demand	Energy	Customer			
LT	Rs Cr			Rs Cr	MUs	Rs/Unit
LT Cat I - Domestic	2,439.11	2,059.71	0.00	4,498.82	6,654.96	6.76
LT Cat II - Non-domestic	741.68	634.80	0.00	1,376.48	2,009.79	6.85
LT Cat III (A & B) - Industrial	216.82	264.02	0.00	480.85	808.81	5.95
LT Cat IV - Cottage Industries & Dhobighats	2.50	3.10	0.00	5.61	9.19	6.10
LT Cat V - Irrigation and Agriculture	1,149.14	1,882.20	0.00	3,031.34	6,318.00	4.80
LT Cat VI - Local Bodies, St. Lighting & PWS	290.80	239.94	0.00	530.74	790.72	6.71
LT Cat VII - General Purpose	20.81	17.10	0.00	37.91	56.11	6.76
LT Cat VIII - Temporary	0.33	0.23	0.00	0.56	0.77	7.31
<b>HT</b>						
HT Cat I - Industry - General (11 kV)	873.01	795.42	0.00	1,668.43	3,036.43	5.49
HT Cat I - Industry - General (33 kV)	900.62	1,286.20	0.00	2,186.82	5,071.48	4.31
HT Cat I - Industry - General (220/132 kV)	330.27	542.48	0.00	872.75	2,160.55	4.04
HT I(B)- Ferro Alloys(33 kV)	18.50	27.47	0.00	45.97	108.31	4.24
HT I(B)- Ferro Alloys(132 kV)	16.65	26.84	0.00	43.49	106.90	4.07
HT Cat II - Industry - Other (11 kV)	407.20	329.74	0.00	736.94	1,233.61	5.97
HT Cat II - Industry - Other (33 kV)	150.34	155.33	0.00	305.67	599.35	5.10
HT Cat II - Industry - Other (220/132 kV)	14.63	19.90	0.00	34.52	72.63	4.75
HT Cat III- Airports, Buses & Railways(11KV)	1.98	1.25	0.00	3.22	4.81	6.71
HT Cat III- Airports, Buses & Railways(132KV)	11.03	16.06	0.00	27.09	63.95	4.24
HT Cat IV - Irrigation & Agriculture (11 kV)	16.75	17.88	0.00	34.63	69.02	5.02
HT Cat IV - Irrigation & Agriculture (33 kV)	3.19	4.80	0.00	7.99	18.93	4.22
HT Cat IV - Irrigation & Agriculture (132 kV)	70.63	116.25	0.00	186.88	463.00	4.04
HT Cat V - Railway Traction (EHT)	48.71	50.32	0.00	99.03	200.42	4.94
HT Cat VI - Colony Consumption	42.60	32.18	0.00	74.78	121.49	6.16
HT Rural Co-operatives (11 kV)	0.00	0.00	0.00	0.00	0.00	0.00
HT Temporary	8.71	10.46	0.00	19.16	40.22	4.76
<b>TOTAL</b>	<b>7,776.00</b>	<b>8,533.68</b>	<b>0.00</b>	<b>16,309.67</b>	<b>30,019.44</b>	<b>5.43</b>

**ANNEXURE - XI**  
**NPDCL - COST OF SERVICE**

NPDCL	Generation					
	Demand			Energy		
LT	Cost (Rs Cr)	Rate Basis - Contracts/NCP G-T interface (MW)	CoS - Rs/kVA/ Month	Cost (Rs Cr)	Recovery Basis - Energy Sales (MU)	CoS - Rs/kWh
LT Cat I - Domestic	849.70	884.96	800.13	864.78	2,780.32	3.11
LT Cat II - Non-domestic	193.57	209.79	768.89	191.84	577.85	3.32
LT Cat III (A & B) - Industrial	69.29	77.12	748.66	92.32	280.83	3.29
LT Cat IV - Cottage Industries & Dhobighats	1.68	1.85	754.45	2.25	6.92	3.25
LT Cat V - Irrigation and Agriculture	234.63	1,440.43	135.74	1,300.13	4,340.01	3.00
LT Cat VI - Local Bodies, St. Lighting & PWS	112.60	117.22	800.51	101.79	310.22	3.28
LT Cat VII - General Purpose	13.06	13.80	788.77	11.63	36.47	3.19
LT Cat VIII - Temporary	0.00	0.00	NA	0.00	0.00	NA
<b>HT</b>						
HT Cat I - Industry - General (11 kV)	81.35	456.80	148.40	154.32	564.24	2.74
HT Cat I - Industry - General (33 kV)	27.66	124.34	185.40	44.86	173.49	2.59
HT Cat I - Industry - General (220/132 kV)	94.59	246.07	320.32	151.30	585.96	2.58
HT I(B)- Ferro Alloys(33 kV)	7.97	5.02	1,323.79	12.16	47.03	2.59
HT I(B)- Ferro Alloys(132 kV)	0.00	0.00	NA	0.00	0.00	NA
HT Cat II - Industry - Other (11 kV)	13.35	66.86	166.42	26.96	100.40	2.69
HT Cat II - Industry - Other (33 kV)	2.14	8.45	211.34	2.57	9.74	2.64
HT Cat II - Industry - Other (220/132 kV)	0.33	5.00	55.22	0.46	1.74	2.65
HT Cat III- Airports, Buses & Railways(11KV)	2.50	4.03	516.48	3.86	8.63	4.47
HT Cat III- Airports, Buses & Railways(132KV)	0.00	0.00	NA	0.00	0.00	NA
HT Cat IV - Irrigation & Agriculture (11 kV)	8.03	23.37	286.41	13.12	43.97	2.98
HT Cat IV - Irrigation & Agriculture (33 kV)	5.82	13.60	356.92	7.38	28.54	2.59
HT Cat IV - Irrigation & Agriculture (132 kV)	71.84	160.99	371.84	91.04	352.58	2.58
HT Cat V - Railway Traction (EHT)	114.81	243.93	392.22	121.57	470.83	2.58
HT Cat VI - Colony Consumption	37.53	60.88	513.77	40.02	149.41	2.68
HT Rural Co-operatives (11 kV)	79.65	135.76	488.90	187.06	713.42	2.62
HT Temporary	0.00	0.00	NA	0.00	0.00	NA
<b>TOTAL</b>	<b>2,022.10</b>	<b>4,300.29</b>	<b>391.85</b>	<b>3,421.43</b>	<b>11,582.61</b>	<b>2.95</b>

NPDCL	Transmission - Inter-State			Transmission - Intra-State		
	Demand			Demand		
LT	Cost (Rs Cr)	Rate Basis - Contracts/NCP G-T interface (MW)	CoS - Rs/kVA/ Month	Cost (Rs Cr)	Rate Basis - Contracts/NCP G-T interface (MW)	CoS - Rs/kVA/ Month
LT Cat I - Domestic	21.54	884.96	20.28	68.03	884.96	64.06
LT Cat II - Non-domestic	5.11	209.79	20.28	16.13	209.79	64.06
LT Cat III (A & B) - Industrial	1.88	77.12	20.28	5.93	77.12	64.06
LT Cat IV - Cottage Industries & Dhobighats	0.05	1.85	20.28	0.14	1.85	64.06
LT Cat V - Irrigation and Agriculture	35.06	1,440.43	20.28	110.74	1,440.43	64.06
LT Cat VI - Local Bodies, St. Lighting & PWS	2.85	117.22	20.28	9.01	117.22	64.06
LT Cat VII - General Purpose	0.34	13.80	20.28	1.06	13.80	64.06
LT Cat VIII - Temporary	0.00	0.00	NA	0.00	0.00	NA
<b>HT</b>						
HT Cat I - Industry - General (11 kV)	13.68	456.80	24.96	43.22	456.80	78.84
HT Cat I - Industry - General (33 kV)	3.72	124.34	24.96	11.76	124.34	78.84
HT Cat I - Industry - General (220/132 kV)	7.37	246.07	24.96	23.28	246.07	78.84
HT I(B)- Ferro Alloys(33 kV)	0.15	5.02	24.96	0.47	5.02	78.84
HT I(B)- Ferro Alloys(132 kV)	0.00	0.00	NA	0.00	0.00	NA
HT Cat II - Industry - Other (11 kV)	2.00	66.86	24.96	6.33	66.86	78.84
HT Cat II - Industry - Other (33 kV)	0.25	8.45	24.96	0.80	8.45	78.84
HT Cat II - Industry - Other (220/132 kV)	0.15	5.00	24.96	0.47	5.00	78.84
HT Cat III- Airports, Buses & Railways(11KV)	0.12	4.03	24.96	0.38	4.03	78.84
HT Cat III- Airports, Buses & Railways(132KV)	0.00	0.00	NA	0.00	0.00	NA
HT Cat IV - Irrigation & Agriculture (11 kV)	0.57	23.37	20.28	1.80	23.37	64.06
HT Cat IV - Irrigation & Agriculture (33 kV)	0.33	13.60	20.28	1.05	13.60	64.06
HT Cat IV - Irrigation & Agriculture (132 kV)	3.92	160.99	20.28	12.38	160.99	64.06
HT Cat V - Railway Traction (EHT)	7.31	243.93	24.96	23.08	243.93	78.84
HT Cat VI - Colony Consumption	1.82	60.88	24.96	5.76	60.88	78.84
HT Rural Co-operatives (11 kV)	3.30	135.76	20.28	10.44	135.76	64.06
HT Temporary	0.00	0.00	NA	0.00	0.00	NA
<b>TOTAL</b>	<b>111.53</b>	<b>4,300.29</b>	<b>21.61</b>	<b>352.2467</b>	<b>4,300.29</b>	<b>68.26</b>

NPDCL	Distribution			Retail Supply		
	Demand			Energy		
LT	Cost (Rs Cr)	Rate Basis - Contracts/NCP T-D interface (MW)	CoS - Rs/kVA/ Month	Cost (Rs Cr)	Rate Basis - Energy Sales (MU)	CoS - Rs/kVA/ Month
LT Cat I - Domestic	339.78	800.68	353.63	15.17	2,780	0.05
LT Cat II - Non-domestic	75.43	177.76	353.63	3.37	578	0.06
LT Cat III (A & B) - Industrial	27.34	64.43	353.63	1.62	281	0.06
LT Cat IV - Cottage Industries & Dhobighats	0.67	1.59	353.63	0.04	7	0.06
LT Cat V - Irrigation and Agriculture	579.72	1,366.11	353.63	22.81	4,340	0.05
LT Cat VI - Local Bodies, St. Lighting & PWS	43.46	102.41	353.63	1.79	310	0.06
LT Cat VII - General Purpose	5.11	12.04	353.63	0.20	36	0.06
LT Cat VIII - Temporary	0.00	0.00	NA	0.00	0	NA
<b>HT</b>						
HT Cat I - Industry - General (11 kV)	78.74	438.44	149.65	2.71	564	0.05
HT Cat I - Industry - General (33 kV)	2.63	119.34	18.33	0.79	173	0.05
HT Cat I - Industry - General (220/132 kV)	0.00		NA	2.65	586	0.05
HT I(B)- Ferro Alloys(33 kV)	0.11	4.81	18.33	0.21	47	0.05
HT I(B)- Ferro Alloys(132 kV)	0.00	13.05	0.00	0.00	0	NA
HT Cat II - Industry - Other (11 kV)	11.52	64.17	149.65	0.47	100	0.05
HT Cat II - Industry - Other (33 kV)	0.18	8.11	18.33	0.05	10	0.05
HT Cat II - Industry - Other (220/132 kV)	0.00		NA	0.01	2	0.05
HT Cat III- Airports, Buses & Railways(11KV)	0.69	3.87	149.65	0.07	9	0.08
HT Cat III- Airports, Buses & Railways(132KV)	0.00	0.00	NA	0.00	0	NA
HT Cat IV - Irrigation & Agriculture (11 kV)	3.66	20.37	149.65	0.23	44	0.05
HT Cat IV - Irrigation & Agriculture (33 kV)	0.29	13.05	18.33	0.13	29	0.05
HT Cat IV - Irrigation & Agriculture (132 kV)	0.00	0.00	NA	1.60	353	0.05
HT Cat V - Railway Traction (EHT)	0.00	0.00	NA	2.13	471	0.05
HT Cat VI - Colony Consumption	10.65	59.29	149.65	0.70	149	0.05
HT Rural Co-operatives (11 kV)	23.19	129.12	149.65	3.28	713	0.05
HT Temporary	0.00	0.00	NA	0.00	0	NA
<b>TOTAL</b>	<b>1,203.16</b>	<b>3,398.63</b>	<b>295.01</b>	<b>60.02</b>	<b>11,583</b>	<b>0.05</b>

NPDCL	Cost Allocation (Rs Cr)				
	Demand - G	Demand - T	Demand - D	Energy	Customer
<b>LT</b>	<b>Rs Cr</b>				
LT Cat I - Domestic	849.70	89.57	339.78	879.95	0.00
LT Cat II - Non-domestic	193.57	21.23	75.43	195.21	0.00
LT Cat III (A & B) - Industrial	69.29	7.81	27.34	93.94	0.00
LT Cat IV - Cottage Industries & Dhobighats	1.68	0.19	0.67	2.29	0.00
LT Cat V - Irrigation and Agriculture	234.63	145.80	579.72	1,322.93	0.00
LT Cat VI - Local Bodies, St. Lighting & PWS	112.60	11.86	43.46	103.58	0.00
LT Cat VII - General Purpose	13.06	1.40	5.11	11.83	0.00
LT Cat VIII - Temporary	0.00	0.00	0.00	0.00	0.00
<b>HT</b>					
HT Cat I - Industry - General (11 kV)	81.35	56.90	78.74	157.03	0.00
HT Cat I - Industry - General (33 kV)	27.66	15.49	2.63	45.65	0.00
HT Cat I - Industry - General (220/132 kV)	94.59	30.65	0.00	153.95	0.00
HT I(B)- Ferro Alloys(33 kV)	7.97	0.62	0.11	12.37	0.00
HT I(B)- Ferro Alloys(132 kV)	0.00	0.00	0.00	0.00	0.00
HT Cat II - Industry - Other (11 kV)	13.35	8.33	11.52	27.43	0.00
HT Cat II - Industry - Other (33 kV)	2.14	1.05	0.18	2.61	0.00
HT Cat II - Industry - Other (220/132 kV)	0.33	0.62	0.00	0.47	0.00
HT Cat III- Airports, Buses & Railways(11KV)	2.50	0.50	0.69	3.93	0.00
HT Cat III- Airports, Buses & Railways(132KV)	0.00	0.00	0.00	0.00	0.00
HT Cat IV - Irrigation & Agriculture (11 kV)	8.03	2.37	3.66	13.35	0.00
HT Cat IV - Irrigation & Agriculture (33 kV)	5.82	1.38	0.29	7.51	0.00
HT Cat IV - Irrigation & Agriculture (132 kV)	71.84	16.30	0.00	92.64	0.00
HT Cat V - Railway Traction (EHT)	114.81	30.39	0.00	123.70	0.00
HT Cat VI - Colony Consumption	37.53	7.58	10.65	40.73	0.00
HT Rural Co-operatives (11 kV)	79.65	13.74	23.19	190.34	0.00
HT Temporary	0.00	0.00	0.00	0.00	0.00
<b>TOTAL</b>	<b>2,022.10</b>	<b>463.78</b>	<b>1,203.16</b>	<b>3,481.45</b>	<b>0.00</b>

NPDCL	Cost Allocation (Rs Cr.)			Total Cost	Sales	Per unit Cost
	Demand	Energy	Customer			
LT	Rs Cr			Rs Cr	MU	Rs/Unit
LT Cat I - Domestic	1,279.05	879.95	0.00	2,159.00	2,780.32	7.77
LT Cat II - Non-domestic	290.23	195.21	0.00	485.44	577.85	8.40
LT Cat III (A & B) - Industrial	104.43	93.94	0.00	198.38	280.83	7.06
LT Cat IV - Cottage Industries & Dhobighats	2.54	2.29	0.00	4.83	6.92	6.98
LT Cat V - Irrigation and Agriculture	960.15	1,322.93	0.00	2,283.08	4,340.01	5.26
LT Cat VI - Local Bodies, St. Lighting & PWS	167.93	103.58	0.00	271.50	310.22	8.75
LT Cat VII - General Purpose	19.57	11.83	0.00	31.40	36.47	8.61
LT Cat VIII - Temporary	0.00	0.00	0.00	0.00	0.00	0.00
<b>HT</b>						
HT Cat I - Industry - General (11 kV)	216.99	157.03	0.00	374.02	564.24	6.63
HT Cat I - Industry - General (33 kV)	45.78	45.65	0.00	91.42	173.49	5.27
HT Cat I - Industry - General (220/132 kV)	125.24	153.95	0.00	279.19	585.96	4.76
HT I(B)- Ferro Alloys(33 kV)	8.70	12.37	0.00	21.07	47.03	4.48
HT I(B)- Ferro Alloys(132 kV)	0.00	0.00	0.00	0.00	0.00	0.00
HT Cat II - Industry - Other (11 kV)	33.20	27.43	0.00	60.63	100.40	6.04
HT Cat II - Industry - Other (33 kV)	3.37	2.61	0.00	5.99	9.74	6.15
HT Cat II - Industry - Other (220/132 kV)	0.95	0.47	0.00	1.42	1.74	8.20
HT Cat III- Airports, Buses & Railways(11KV)	3.70	3.93	0.00	7.62	8.63	8.83
HT Cat III- Airports, Buses & Railways(132KV)	0.00	0.00	0.00	0.00	0.00	0.00
HT Cat IV - Irrigation & Agriculture (11 kV)	14.06	13.35	0.00	27.41	43.97	6.23
HT Cat IV - Irrigation & Agriculture (33 kV)	7.49	7.51	0.00	15.00	28.54	5.25
HT Cat IV - Irrigation & Agriculture (132 kV)	88.13	92.64	0.00	180.77	352.58	5.13
HT Cat V - Railway Traction (EHT)	145.20	123.70	0.00	268.90	470.83	5.71
HT Cat VI - Colony Consumption	55.76	40.73	0.00	96.49	149.41	6.46
HT Rural Co-operatives (11 kV)	116.58	190.34	0.00	306.92	713.42	4.30
HT Temporary	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL</b>	<b>3,689.03</b>	<b>3,481.45</b>	<b>0.00</b>	<b>7,170.48</b>	<b>11,582.61</b>	<b>6.19</b>

**ANNEXURE - XII**  
**BOTH THE DISCOMS - COST OF SERVICE**

BOTH THE DISCOMS	Generation					
	Demand			Energy		
LT	Cost (Rs Cr)	Rate Basis - Contracts/NCP G-T interface (MW)	CoS - Rs/kVA/ Month	Cost (Rs Cr)	Recovery Basis - Energy Sales (MU)	CoS - Rs/kWh
LT Cat I - Domestic	2,529.22	2,982.51	706.68	2,872.74	9,435.28	3.04
LT Cat II - Non-domestic	704.69	853.78	687.82	810.69	2,587.64	3.13
LT Cat III (A & B) - Industrial	219.67	268.68	681.30	349.72	1,089.64	3.21
LT Cat IV - Cottage Industries & Dhobighats	3.42	4.12	691.98	5.27	16.11	3.27
LT Cat V - Irrigation and Agriculture	530.62	3,719.11	118.89	3,135.03	10,658.01	2.94
LT Cat VI - Local Bodies, St. Lighting & PWS	311.71	367.37	707.08	335.71	1,100.94	3.05
LT Cat VII - General Purpose	27.34	31.79	716.46	28.30	92.58	3.06
LT Cat VIII - Temporary	0.23	0.30	628.76	0.23	0.77	2.99
<b>HT</b>						
HT Cat I - Industry - General (11 kV)	536.60	1,871.02	239.00	929.76	3,600.67	2.58
HT Cat I - Industry - General (33 kV)	727.22	1,415.59	428.10	1,298.74	5,244.97	2.48
HT Cat I - Industry - General (220/132 kV)	423.01	260.83	1,351.47	680.15	2,746.51	2.48
HT I(B)- Ferro Alloys(33 kV)	21.91	34.29	532.59	38.94	155.34	2.51
HT I(B)- Ferro Alloys(132 kV)	12.82	30.47	350.77	26.17	106.90	2.45
HT Cat II - Industry - Other (11 kV)	210.25	778.77	224.98	348.41	1,334.00	2.61
HT Cat II - Industry - Other (33 kV)	119.69	219.04	455.36	154.00	609.09	2.53
HT Cat II - Industry - Other (220/132 kV)	11.88	29.49	335.77	19.86	74.36	2.67
HT Cat III- Airports, Buses & Railways(11KV)	3.04	8.90	284.75	5.07	13.44	3.77
HT Cat III- Airports, Buses & Railways(33KV)	0.00	0.00	NA	0.00	0.00	NA
HT Cat III- Airports, Buses & Railways(132KV)	9.59	11.46	697.29	15.65	63.95	2.45
HT Cat IV - Irrigation & Agriculture (11 kV)	15.30	57.59	221.35	30.55	112.99	2.70
HT Cat IV - Irrigation & Agriculture (33 kV)	7.74	22.71	283.98	12.06	47.47	2.54
HT Cat IV - Irrigation & Agriculture (132 kV)	118.22	381.42	258.28	204.37	815.58	2.51
HT Cat V - Railway Traction (EHT)	153.18	326.24	391.26	170.63	671.25	2.54
HT Cat VI - Colony Consumption	63.07	117.78	446.23	71.40	270.90	2.64
HT Rural Co-operatives (11 kV)	79.65	135.76	488.90	187.06	713.42	2.62
HT Rural Co-operatives (33 kV)	0.00	0.00	NA	0.00	0.00	NA
HT Temporary	6.38	8.47	628.24	10.20	40.22	2.53
Open Access - 33 kV	0.00	0.00	NA	0.00	0.00	
Open Access - 11 kV	0.00	0.00	NA	0.00	0.00	
<b>TOTAL</b>	<b>6,846.43</b>	<b>13,937.49</b>	<b>409.35</b>	<b>11,740.68</b>	<b>41,602.05</b>	<b>2.82</b>

BOTH THE DISCOMS	Transmission - Inter-State			Transmission - Intra-State		
	Demand			Demand		
LT	Cost (Rs Cr)	Rate Basis - Contracts/NCP G-T interface (MW)	CoS - Rs/kVA/ Month	Cost (Rs Cr)	Rate Basis - Contracts/NCP G-T interface (MW)	CoS - Rs/kVA/ Month
LT Cat I - Domestic	77.95	2,982.51	21.78	242.37	2,982.51	67.72
LT Cat II - Non-domestic	22.43	853.78	21.89	69.65	853.78	67.99
LT Cat III (A & B) - Industrial	7.03	268.68	21.80	21.85	268.68	67.77
LT Cat IV - Cottage Industries & Dhobighats	0.11	4.12	21.45	0.33	4.12	66.92
LT Cat V - Irrigation and Agriculture	96.35	3,719.11	21.59	300.13	3,719.11	67.25
LT Cat VI - Local Bodies, St. Lighting & PWS	9.58	367.37	21.73	29.80	367.37	67.60
LT Cat VII - General Purpose	0.82	31.79	21.49	2.56	31.79	67.01
LT Cat VIII - Temporary	0.01	0.30	22.41	0.03	0.30	69.26
<b>HT</b>						
HT Cat I - Industry - General (11 kV)	57.13	1,871.02	25.45	177.50	1,871.02	79.06
HT Cat I - Industry - General (33 kV)	43.40	1,415.59	25.55	134.37	1,415.59	79.10
HT Cat I - Industry - General (220/132 kV)	7.82	260.83	25.00	24.68	260.83	78.86
HT I(B)- Ferro Alloys(33 kV)	1.05	34.29	25.51	3.25	34.29	79.08
HT I(B)- Ferro Alloys(132 kV)	0.94	30.47	25.60	2.89	30.47	79.13
HT Cat II - Industry - Other (11 kV)	23.88	778.77	25.55	73.92	778.77	79.10
HT Cat II - Industry - Other (33 kV)	6.72	219.04	25.58	20.80	219.04	79.12
HT Cat II - Industry - Other (220/132 kV)	0.90	29.49	25.50	2.80	29.49	79.08
HT Cat III- Airports, Buses & Railways(11KV)	0.27	8.90	25.31	0.84	8.90	79.00
HT Cat III- Airports, Buses & Railways(33KV)	0.00	0.00	NA	0.00	0.00	NA
HT Cat III- Airports, Buses & Railways(132KV)	0.35	11.46	25.60	1.09	11.46	79.13
HT Cat IV - Irrigation & Agriculture (11 kV)	1.49	57.59	21.55	4.64	57.59	67.15
HT Cat IV - Irrigation & Agriculture (33 kV)	0.58	22.71	21.14	1.80	22.71	66.15
HT Cat IV - Irrigation & Agriculture (132 kV)	9.85	381.42	21.51	30.70	381.42	67.07
HT Cat V - Railway Traction (EHT)	9.84	326.24	25.12	30.89	326.24	78.91
HT Cat VI - Colony Consumption	3.57	117.78	25.27	11.16	117.78	78.98
HT Rural Co-operatives (11 kV)	3.30	135.76	20.28	10.44	135.76	64.06
HT Rural Co-operatives (33 kV)	0.00	0.00	NA	0.00	0.00	NA
HT Temporary	0.23	8.47	22.41	0.70	8.47	69.26
Open Access - 33 kV	0.00	0.00		0.00	0.00	
Open Access - 11 kV	0.00	0.00		0.00	0.00	
<b>TOTAL</b>	<b>385.59</b>	<b>13,937.49</b>	<b>23.05</b>	<b>1,199.21</b>	<b>13,937.49</b>	<b>71.70</b>



BOTH THE DISCOMS	Distribution			Retail Supply		
	Demand			Energy		
LT	Cost (Rs Cr)	Rate Basis Contracts/NCP T-D interface (MW)	CoS - Rs/kVA/ Month	Cost (Rs Cr)	Rate Basis - Energy Sales (MU)	CoS - Rs/kVA/ Month
LT Cat I - Domestic	868.61	2,649.20	273.23	66.93	9,435.28	0.07
LT Cat II - Non-domestic	235.14	736.01	266.23	19.32	2,587.64	0.07
LT Cat III (A & B) - Industrial	72.71	223.01	271.69	8.25	1,089.64	0.08
LT Cat IV - Cottage Industries & Dhobighats	1.19	3.39	292.38	0.12	16.11	0.07
LT Cat V - Irrigation and Agriculture	1,182.19	3,472.02	283.74	70.10	10,658.01	0.07
LT Cat VI - Local Bodies, St. Lighting & PWS	107.63	326.72	274.52	7.81	1,100.94	0.07
LT Cat VII - General Purpose	9.66	27.96	288.03	0.63	92.58	0.07
LT Cat VIII - Temporary	0.06	0.22	238.40	0.01	0.77	0.08
<b>HT</b>						
HT Cat I - Industry - General (11 kV)	318.75	1,795.80	147.92	22.69	3,600.67	0.06
HT Cat I - Industry - General (33 kV)	41.41	1,358.69	25.40	33.11	5,244.97	0.06
HT Cat I - Industry - General (220/132 kV)	0.00	0.00	NA	16.29	2,746.51	0.06
HT I(B)- Ferro Alloys(33 kV)	0.98	32.91	24.94	0.90	155.34	0.06
HT I(B)- Ferro Alloys(132 kV)	0.00	13.05	0.00	0.67	106.90	0.06
HT Cat II - Industry - Other (11 kV)	132.35	747.47	147.55	8.76	1,334.00	0.07
HT Cat II - Industry - Other (33 kV)	6.50	210.23	25.78	3.95	609.09	0.06
HT Cat II - Industry - Other (220/132 kV)	0.00	0.00	NA	0.51	74.36	0.07
HT Cat III- Airports, Buses & Railways(11KV)	1.52	8.54	148.40	0.10	13.44	0.07
HT Cat III- Airports, Buses & Railways(33KV)	0.00	0.00	NA	0.00	0.00	NA
HT Cat III- Airports, Buses & Railways(132KV)	0.00	0.00	NA	0.40	63.95	0.06
HT Cat IV - Irrigation & Agriculture (11 kV)	9.38	52.73	148.24	0.68	112.99	0.06
HT Cat IV - Irrigation & Agriculture (33 kV)	0.56	21.77	21.43	0.25	47.47	0.05
HT Cat IV - Irrigation & Agriculture (132 kV)	0.00	0.00	NA	4.52	815.58	0.06
HT Cat V - Railway Traction (EHT)	0.00	0.00	NA	3.40	671.25	0.05
HT Cat VI - Colony Consumption	20.56	115.36	148.54	1.51	270.90	0.06
HT Rural Co-operatives (11 kV)	23.19	129.12	149.65	3.28	713.42	0.05
HT Rural Co-operatives (33 kV)	0.00	0.00	NA	0.00	0.00	NA
HT Temporary	1.39	7.86	147.36	0.26	40.22	0.07
Open Access - 33 kV	0.00	0.00	NA	0.00	0.00	
Open Access - 11 kV	0.00	0.00	NA	0.00	0.00	
<b>TOTAL</b>	3,033.80	11,932.05	211.88	274.45	41,602.05	0.07

All	Cost Allocation (Rs Cr)				
	Demand - G	Demand - T	Demand - D	Energy	Customer
<b>LT</b>	<b>Rs Cr</b>				
LT Cat I - Domestic	2,529.22	320.33	868.61	2,939.67	0.00
LT Cat II - Non-domestic	704.69	92.08	235.14	830.00	0.00
LT Cat III (A & B) - Industrial	219.67	28.88	72.71	357.97	0.00
LT Cat IV - Cottage Industries & Dhobighats	3.42	0.44	1.19	5.39	0.00
LT Cat V - Irrigation and Agriculture	530.62	396.48	1,182.19	3,205.13	0.00
LT Cat VI - Local Bodies, St. Lighting & PWS	311.71	39.38	107.63	343.52	0.00
LT Cat VII - General Purpose	27.34	3.38	9.66	28.93	0.00
LT Cat VIII - Temporary	0.23	0.03	0.06	0.23	0.00
<b>HT</b>					
HT Cat I - Industry - General (11 kV)	536.60	234.63	318.75	952.45	0.00
HT Cat I - Industry - General (33 kV)	727.22	177.77	41.41	1,331.85	0.00
HT Cat I - Industry - General (220/132 kV)	423.01	32.51	0.00	696.43	0.00
HT I(B)- Ferro Alloys(33 kV)	21.91	4.30	0.98	39.84	0.00
HT I(B)- Ferro Alloys(132 kV)	12.82	3.83	0.00	26.84	0.00
HT Cat II - Industry - Other (11 kV)	210.25	97.80	132.35	357.17	0.00
HT Cat II - Industry - Other (33 kV)	119.69	27.52	6.50	157.94	0.00
HT Cat II - Industry - Other (220/132 kV)	11.88	3.70	0.00	20.37	0.00
HT Cat III- Airports, Buses & Railways(11KV)	3.04	1.11	1.52	5.17	0.00
HT Cat III- Airports, Buses & Railways(33KV)	0.00	0.00	0.00	0.00	0.00
HT Cat III- Airports, Buses & Railways(132KV)	9.59	1.44	0.00	16.06	0.00
HT Cat IV - Irrigation & Agriculture (11 kV)	15.30	6.13	9.38	31.23	0.00
HT Cat IV - Irrigation & Agriculture (33 kV)	7.74	2.38	0.56	12.31	0.00
HT Cat IV - Irrigation & Agriculture (132 kV)	118.22	40.55	0.00	208.89	0.00
HT Cat V - Railway Traction (EHT)	153.18	40.73	0.00	174.03	0.00
HT Cat VI - Colony Consumption	63.07	14.73	20.56	72.91	0.00
HT Rural Co-operatives (11 kV)	79.65	13.74	23.19	190.34	0.00
HT Rural Co-operatives (33 kV)	0.00	0.00	0.00	0.00	0.00
HT Temporary	6.38	0.93	1.39	10.46	0.00
Open Access - 33 kV	0.00	0.00	0.00	0.00	0.00
Open Access - 11 kV	0.00	0.00	0.00	0.00	0.00
<b>TOTAL</b>	<b>6,846.43</b>	<b>1,584.80</b>	<b>3,033.80</b>	<b>12,015.13</b>	<b>0.00</b>

BOTH THE DISCOMS	Cost Allocation (Rs Cr.)			Total Cost	Sales	Per unit Cost
	Demand	Energy	Customer			
LT	Rs Cr			Rs Cr	MUs	Rs/Unit
LT Cat I - Domestic	3,718.16	2,939.67	0.00	6,657.82	9,435.28	7.06
LT Cat II - Non-domestic	1,031.91	830.00	0.00	1,861.92	2,587.64	7.20
LT Cat III (A & B) - Industrial	321.25	357.97	0.00	679.22	1,089.64	6.23
LT Cat IV - Cottage Industries & Dhobighats	5.04	5.39	0.00	10.43	16.11	6.48
LT Cat V - Irrigation and Agriculture	2,109.29	3,205.13	0.00	5,314.42	10,658.01	4.99
LT Cat VI - Local Bodies, St. Lighting & PWS	458.73	343.52	0.00	802.25	1,100.94	7.29
LT Cat VII - General Purpose	40.38	28.93	0.00	69.31	92.58	7.49
LT Cat VIII - Temporary	0.33	0.23	0.00	0.56	0.77	7.32
<b>HT</b>						
HT Cat I - Industry - General (11 kV)	1,089.99	952.45	0.00	2,042.44	3,600.67	5.67
HT Cat I - Industry - General (33 kV)	946.40	1,331.85	0.00	2,278.24	5,244.97	4.34
HT Cat I - Industry - General (220/132 kV)	455.51	696.43	0.00	1,151.94	2,746.51	4.19
HT I(B)- Ferro Alloys(33 kV)	27.20	39.84	0.00	67.04	155.34	4.32
HT I(B)- Ferro Alloys(132 kV)	16.65	26.84	0.00	43.49	106.90	4.07
HT Cat II - Industry - Other (11 kV)	440.40	357.17	0.00	797.57	1,334.00	5.98
HT Cat II - Industry - Other (33 kV)	153.71	157.94	0.00	311.66	609.09	5.12
HT Cat II - Industry - Other (220/132 kV)	15.58	20.37	0.00	35.95	74.36	4.83
HT Cat III- Airports, Buses & Railways(11KV)	5.68	5.17	0.00	10.85	13.44	8.07
HT Cat III- Airports, Buses & Railways(33KV)	0.00	0.00	0.00	0.00	0.00	0.00
HT Cat III- Airports, Buses & Railways(132KV)	11.03	16.06	0.00	27.09	63.95	4.24
HT Cat IV - Irrigation & Agriculture (11 kV)	30.81	31.23	0.00	62.04	112.99	5.49
HT Cat IV - Irrigation & Agriculture (33 kV)	10.68	12.31	0.00	22.99	47.47	4.84
HT Cat IV - Irrigation & Agriculture (132 kV)	158.76	208.89	0.00	367.65	815.58	4.51
HT Cat V - Railway Traction (EHT)	193.91	174.03	0.00	367.93	671.25	5.48
HT Cat VI - Colony Consumption	98.36	72.91	0.00	171.27	270.90	6.32
HT Rural Co-operatives (11 kV)	116.58	190.34	0.00	306.92	713.42	4.30
HT Rural Co-operatives (33 kV)	0.00	0.00	0.00	0.00	0.00	0.00
HT Temporary	8.71	10.46	0.00	19.16	40.22	4.76
Open Access - 33 kV	0.00	0.00	0.00	0.00	0.00	0.00
Open Access - 11 kV	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL</b>	<b>11,465.03</b>	<b>12,015.13</b>	<b>0.00</b>	<b>23,480.16</b>	<b>41,602.05</b>	<b>5.64</b>

## ANNEXURE - XIII

**Total Revenue at Retail Supply Tariff Rates for FY 2015-16**  
(Please refer to Table No. 6.2-1: Retail Supply Tariffs) (Rs. Cr.)

Category		NPDCL	SPDCL	Total
LT-I	Domestic	831.68	2720.64	<b>3552.32</b>
LT-II	Non Domestic	532.26	1938.22	<b>2470.48</b>
LT-III	Industrial	214.45	572.11	<b>786.56</b>
LT-IV	Cottage Industries	2.83	4.12	<b>6.95</b>
LT-V	Agriculture	46.18	43.46	<b>89.64</b>
LT-VI	Public Lighting	172.93	462.65	<b>635.58</b>
LT-VII	General	26.51	40.17	<b>66.68</b>
LT-VIII	Temporary	0.00	0.91	<b>0.91</b>
HT-I	Industry	969.27	7367.77	<b>8337.04</b>
HT-II	Others	111.75	1825.66	<b>1937.41</b>
HT-III	Air Ports, BS and RS	7.49	50.01	<b>57.51</b>
HT-IV	Agriculture	241.98	310.59	<b>552.57</b>
HT-V	Railway Traction	321.36	136.54	<b>457.89</b>
HT-VI	Townships	91.90	76.47	<b>168.37</b>
HT-VII	Green Power	0.00	0.00	<b>0.00</b>
HT-VIII	Temporary	0.00	36.40	<b>36.40</b>
	RESCO	66.69	0.00	<b>66.69</b>
<b>Total</b>		<b>3637.25</b>	<b>15585.74</b>	<b>19222.99</b>

**Revenue Requirement, Revenue at Retail Supply Tariff Rates and Revenue Gap funded as Tariff Subsidy by Government of Telangana**  
(Rs.Cr.)

Particulars	NPDCL	SPDCL	Total
Revenue requirement	7170	16310	23480
Revenue at RSTS	3637	15586	19223
Revenue gap	3533	724	4257

## ACRONYMS

Agl	Agriculture/ Agricultural
APERC	Andhra Pradesh Electricity Regulatory Commission
APGENCO	Andhra Pradesh Power Generation Corporation Limited
APGPCL	Andhra Pradesh Gas Power Corporation Limited
ARR	Aggregate Revenue Requirement
ATE/APTEL	Appellate Tribunal for Electricity
CAG	Comptroller and Auditor General of India
CERC	Central Electricity Regulatory Commission
CGRF	Consumer Grievance Redressal Forum
CGS	Central Generating Station
CL	Connected Load/ Contracted Load
CMD	Contracted Maximum Demand
CoD	Commercial Operation Date
CoS	Cost of Service / Cost of Supply
CPWS	Composite Protected Water Supply
Cr	Crore
D-to-D	Discom to Discom
DISCOMs	Distribution Companies, Distribution Licensees, Licensees
DPS	Delayed Payment Surcharge
DSM	Demand Side Management
DSTPP	Damodaram Sanjeevaiah Thermal Power Project
DTR	Distribution Transformer
EHT	Extra High Tension
ERC	Electricity Regulatory Commission
FAPCCI	The Federation of Telangana & Andhra Pradesh Chamber of Commerce and Industry (Formerly the Federation of Andhra Pradesh Chamber of Commerce and Industry)
FCRTS	Full Cost Recovery Tariff Schedule
FPT	Filing for Proposed Tariff
FRP	Financial Restructuring Plan
FSA	Fuel Surcharge Adjustment
FY	Financial Year
GAIL	Gas Authority of India Limited
GCV	Gross Calorific Value
GOI	Government of India
GoTS	Government of Telangana

GTCS	General Terms & Conditions of Supply
HNPCL	Hinduja National Power Corporation Limited
HP	Horse Power
HT/HV	High Tension/High Voltage
HVDS	High Voltage Distribution System
IPPs	Independent Power Producers
ISI	Indian Standards Institute / Indian Statistical Institute
IT	Information Technology
KG	Krishna Godavari
Kg	Kilogram
KTPP	Kakatiya Thermal Power Plant
kV	Kilo Volt
kVAh	Kilo-Volt-Ampere-hour
kWh	Kilo Watt hour
LI	Lift Irrigation
LR	Load Relief
LT/LV	Low Tension/Low Voltage
MMBTU	Million Metric British Thermal Unit
MoP	Ministry of Power
MOU	Memorandum of Understanding
MU	Million Units
MW	Mega Watt
MYT	Multi Year Tariff
NCE	Non Conventional Energy
NGOs	Non-Government Organisations
NTP	National Tariff Policy
NTPC	National Thermal Power Corporation Limited
ONGC	Oil and Natural Gas Corporation
PGCIL	Power Grid Corporation of India Limited
PLF	Plant Load Factor
PPA	Power Purchase Agreement
POSOCO	Power System Operation Corporation Limited
PWS	Protected Water Supply
R&C	Restriction and Control
REC	Renewable Energy Certificate/Rural Electrification Corporation Limited
RESCOs	Rural Electricity Cooperative Societies
RMD	Recorded Maximum Demand
RTC	Round the Clock
RTPP	Rayalaseema Thermal Power Project

SAC	State Advisory Committee
SLDC	State Load Despatch Centre
SOP	Standards of Performance
T&D	Transmission and Distribution
ToD	Time of the Day
TRANSCO	Transmission Corporation
TSERC	Telangana State Electricity Regulatory Commission
TSGENCO	Telangana Power Generation Corporation Limited
TSNPDCL/NPDCL	Northern Power Distribution Company of Telangana Limited
TSPCC	Telangana Power Coordination Committee
TSSPDCL/SPDCL	Southern Power Distribution Company of Telangana Limited
ULDC	Unified Load Despatch Centre
VTPS	Vijayawada Thermal Power Station

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