



Telangana State Electricity Regulatory Commission
5th Floor, Singareni Bhavan, Red Hills, Lakdi-ka-pul,
Hyderabad 500004.

TARIFF ORDER

Retail Supply Tariffs for
FY 2017-18

In the supply areas of
Southern Power Distribution Company of Telangana Limited (TSNPDCL)
and
Northern Power Distribution Company of Telangana Limited (TSSPDCL)

26.08.2017

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**TELANGANA STATE ELECTRICITY REGULATORY COMMISSION
HYDERABAD**

Present

**Sri Ismail Ali Khan, Chairman
Sri H. Srinivasulu, Member**

Dated 26.08.2017

O.P. No. 22 of 2016

Southern Power Distribution Company of Telangana Limited (TSSPDCL)

O.P. No. 23 of 2016

Northern Power Distribution Company of Telangana Limited (TSNPDCL)

... Applicants

The Southern Power Distribution Company of Telangana Limited (TSSPDCL) and the Northern Power Distribution Company of Telangana Limited (TSNPDCL) filed their petitions under Section 64 of the Electricity Act, 2003, before the Telangana State Electricity Regulatory Commission (TSERC or the Commission) on 30.11.2016 for approval of Aggregate Revenue Requirement (ARR) for retail supply business for FY 2017-18. Subsequently, the tariff proposals for retail supply business were filed on 13.04.2017. The petitions were admitted by the Commission and assigned O.P. Numbers 22 of 2016 and 23 of 2016, for TSSPDCL and TSNPDCL respectively.

The Commission, in exercise of its powers under the Electricity Act, 2003 and the 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 considering all the petitioners submissions, suggestions and objections of public, responses of Licensees, issues raised during the public hearing, and all other relevant material, issues the following common Order for convenience.

ORDER

CHAPTER 1 - INTRODUCTION

1.1 BACKGROUND

1.1.1. Telangana State Electricity Regulatory Commission (herein referred to as TSERC or Commission) was constituted by the Government of Telangana (GoTS) 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, 2003 vide G.O.Ms.No.3, (Energy) (Budget) Department Dt:26.07.2014.

1.1.2. This Commission having been established u/s 82(1) of the Electricity Act, 2003 (herein referred to as “the Act”) is required to exercise the powers and functions vested in it in terms of Section 86 and 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.

1.1.3. The Commission issued its first Regulation, viz., 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 this Regulation specifies as follows:

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

1.1.4. In accordance with the above Regulations, all the Regulations framed by the erstwhile Andhra Pradesh Electricity Regulatory Commission (APERC) will continue to apply for the State of Telangana, till further modification. The two (2) Distribution Companies (referred to as the ‘Distribution Licensees’ or ‘DISCOMS’ or ‘Licensees’) namely, the Northern Power Distribution Company of Telangana Limited (referred to as “TSNPDCL” or “NPDCL”) and the Southern Power Distribution Company of

Telangana Limited (referred to as “TSSPDCL” or “SPDCL”) filed the ARR Petitions for Retail Supply Business for FY 2017-18 on 30.11.2016.

- 1.1.5. In accordance with the provisions of Section 64 of the Act, it is incumbent upon the Distribution Licensees to make an application to the Commission to determine the tariff in such manner and terms as may be specified by the Regulations framed by the Commission.
- 1.1.6. The Distribution Licensees have to file ARR and proposals for Retail Supply Tariff for the entire Control Period from FY 2014-15 to FY 2018-19. However, they sought permission from the Commission to file ARR for Retail Supply Business for FY 2017-18 on annual basis in view of the uncertainty of projection of energy availability and estimation of power purchase cost for the entire Control Period and Tariff. The Commission permitted filing of ARR for the Retail Supply Business (RSB) only for FY 2017-18 vide its Lr. No. TSERC/Tariff/DD(T-Engg)/T-03/2015D.No. 708/16 Dt. 19.11.2016.
- 1.1.7. The Distribution Licensees were to file their ARR and Tariff proposals for FY 2017-18 on or before 30.11.2016, so as to make available to the Commission the statutory time of 120 days for determination of Tariff for FY 2017-18 commencing April 1, 2017. The Distribution Licensees filed only the ARR for FY 2017-18 on 30.11.2016 and sought additional time in multiple instalments for filing of tariff proposals citing certain reasons. Considering the requests of the DISCOMs, they have failed to file the tariff proposals and instead sought further time for filing the same vide the letters dated 15.01.2017 and 31.01.2017 seeking time up to 28.02.2017. The Commission vide its letter dated 17.02.2017 directed the DISCOMs to file the tariff proposals by 23.02.2017 and in default of the suo motu proceedings for determination of retail supply tariff for FY 2017-18 would be initiated.
- 1.1.8. The DISCOMs vide the letters dated 23.02.2017 and 06.03.2017 further sought additional time for filing the tariff proposals for FY 2017-18 lastly up to 15.04.2017. The tariff proposals for FY 2017-18 have been filed by the DISCOMs on 13.04.2017. The DISCOMs submitted that while it had put in all the efforts for filing the tariff proposals on time, the delay in filing was mainly attributable to the participation of Telangana State in UDAY and signing the MoU in this regard on 04.01.2017 and the initiative of Ministry of Power, GoI for examining and recommending the options for simplification and rationalisation of consumer categories and tariffs. Citing the above reasons, the DISCOMs requested the Commission to condone the delay in filing of tariff proposals for FY 2017-18. The DISCOMs in their tariff proposals for FY 2017-18

requested the Commission to continue the retail supply tariffs approved for FY 2016-17, for FY 2017-18 with proposals to change the terms and conditions for some of the consumer categories.

- 1.1.9. The Commission finds that although the DISCOMs have cited one of the reasons for delay as rationalisation of consumer categories and tariffs, nothing of that sort has been proposed in their tariff proposals for FY 2017-18. On the other reason of delay i.e. participation in UDAY, the DISCOMs have stated that the delay is on account of ascertaining the quantum of benefits under UDAY that could be passed on to the consumers.
- 1.1.10. The Commission expresses its extreme displeasure on the inordinate delay in filing the tariff proposals by the DISCOMs. The DISCOMs, in their tariff proposals, have not submitted any material information on the reasons cited for delay in its various correspondences with the Commission. The objective of the Electricity Act 2003 is to protect the interests of the consumers and the Licensees. Although the delay in filing the tariff proposals is not desirable, it is also not desirable to determine the tariffs without considering the benefit of participation in UDAY, which should be passed on to the consumers with immediate effect. Hence, the Commission finds it appropriate to condone the delay in filing of tariff proposals by the DISCOMs. We expect the DISCOMs to adhere to the terms and conditions agreed to in the UDAY MoU in respect of filing of ARR on time from next year without fail.

1.2. ADMISSION OF PETITIONS AND REGULATORY PROCESS

- 1.2.1. The petitions for approval of ARR and tariff for retail supply business for FY 2017-18 submitted by the Distribution Licensees were scrutinised and found to be generally in order as required under the TSERC (Conduct of Business) Regulations, 2015 (Regulation No. 2 of 2015). The Commission admitted the filings and the same were taken on record by assigning the following Original Petition (O.P.) numbers:
- O.P. No. 22 of 2016 for TSSPDCL
 - O.P. No. 23 of 2016 for TSNPDCL
- 1.2.2. Upon scrutiny of the ARR filings and tariff proposals submitted by the Licensees, the Commission identified certain data gaps and directed the Licensees to furnish additional information. As directed by the Commission, the Licensees furnished additional information and placed the same on their respective websites.

1.2.3. The State Advisory Committee (SAC) meeting was conducted on 07.03.2017 to elicit views of members on the ARR Proposals of the DISCOMs. The views of the members were duly considered while determining the Retail Supply Tariffs for FY 2017-18.

1.2.4. Overview of stakeholders' consultation process:

- The Licensees, as directed by the Commission, published a public notice in two English newspapers (in English), two Telugu newspapers (in Telugu) and two Urdu newspapers (in English) on 25.04.2017. The notice was to inform the general public that the Licensees have filed the ARR and Tariff proposals in respect of their retail supply business for FY 2017-18 before the Commission.
- The filings made by the Licensees along with supporting material were made available to the public at large through the offices of the Chief General Manager and the Superintending Engineer, operation circles. The filings and supporting material were also made available on the websites of the Commission and the Licensees.
- It was also notified in the public notice (Annexure – 17) that, objections / suggestions on the ARR filings and tariff proposals may be filed with the Licensee by 15.05.2017 with a copy marked to the Commission.
- In response to the public notice, a large number of objections / suggestions were received (Annexure – 2) by the Commission both in writing as well as oral during the public hearing.
- The Licensee was also directed to reply to all the written objections received by 22.05.2017 by sending the same to the respective objector with a copy to the Commission before the scheduled date of public hearing by the concerned Licensee. The replies were also required to be posted on the respective websites.
- The Commission has conducted the public hearings at one place in each licensee's area. The public hearings were held at Khammam on 29th May, 2017 on the filings of TSNPDCL and at Hyderabad on 06th June, 2017 on the filings of TSSPDCL. During the hearings, the Licensees 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 who had turned up at the venue directly were also heard and their petitions / suggestions were also considered. At the end, as directed by the Commission, the respective Licensees responded on the issues raised by the objectors during the

hearing.

- The Secretary to Government, Energy Department on behalf of the Government of Telangana State has made a statement communicating the Government's commitment 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 on 06th June, 2017.

The Commission places on record its deep appreciation for the awareness and public spirit exhibited in the form of objections / suggestions made both in writing as well oral submissions on the Licensee's proposals. While all the views and opinions expressed by the consumers / objectors may not have been specifically reflected in this order; the Commission has made every effort to address the spirit and essence of the objections / suggestions. It also attempted earnestly to respond to them wherever necessary the issues being germane to the determination of the ARR and the tariff.

1.3. DATA GAPS AND LICENSEE'S RESPONSES

1.3.1. The following additional information/clarifications were sought from the Petitioners by the Commission:

- Audited Accounts for FY 2015-16 along with the Supplementary Audit Report of Comptroller & Auditor General (CAG).
- Justification for variation in actual consumer category-wise sales for FY 2015-16 in comparison to the approved sales.
- Compliance to the directive of the Commission for projection of agricultural sales.
- Supporting documents that detail the basis of sales projections for Lift Irrigation Schemes for FY 2017-18.
- Details of actual source-wise power purchase quantity and corresponding cost for FY 2014-15, FY 2015-16 and FY 2016-17 in the specified format.
- Basis of energy availability projections source-wise for FY 2017-18.
- Justification for projections of much lower energy availability from hydro power stations for FY 2017-18 as compared to the approved figures for FY 2016-17.

1.3.2. The Commission considered the information submitted by the Licensees while analysing the ARR for FY 2017-18.

1.4. COMMUNICATION WITH THE GOVERNMENT OF TELANGANA STATE REGARDING SUBSIDY

- 1.4.1. The Commission has sent a communication to the Government of Telangana State vide the letter dated 15.07.2017 informing that the Commission after examining each component of the filings made by the Licensees had determined the Revenue Requirement for the two DISCOMs together at INR 27,296.48 Crore. The consolidated Revenue Gap arrived for both the DISCOMs is INR 4777.04 Crore. In addition to the amount of INR 4777.04 Crore, the Commission further informed the GoTS that if it intends to continue the existing subsidy commitment of INR 2/unit for Poultry Farms, the additional subsidy amount of INR 20.18 Crore over and above INR 4777.04 Crore need to be provided by the GoTS.
- 1.4.2. In the letter to GoTS, the Commission has placed the Full Cost Recovery Tariff Schedule (FCRTS) for FY 2017-18, which the Licensees have to charge in the absence of an external subsidization u/s 65 of the Electricity Act, 2003 in order to recover the Commission determined ARR. The Commission also prepared a Retail Supply Tariff Schedule (RSTS) for FY 2017-18 duly considering the following:
- (i) If the RSTS is to be implemented, the Licensees shall have to be compensated by the GoTS u/s 65 of the Electricity Act, 2003 to the extent of INR 4777.04 Crore for FY 2017-18.
 - (ii) In case GoTS wishes to further reduce tariffs for any class of consumers in the RSTS, then the consequential subsidy shall have to borne by the GoTS.
- 1.4.3. The Commission has sent a reminder letter to the GoTS vide the letter dated 18.08.2017, to communicate the consent of the GoTS on the quantum of subsidy to be provided.
- 1.4.4. In response to the Commission's letters, the State Government vide the Letter no. 945/Budget.A2/2017-1 dated 26.08.2017 of the Special Chief Secretary to Energy Department, issued directions u/s 108 of the Electricity Act, 2003 to maintain uniform Retail Supply Tariffs for all the consumer categories across both the DISCOMs of the State for FY 2017-18 and communicated the Subsidy to be provided by the State Government u/s 65 of the Electricity Act, 2003.

1.5. STRUCTURE OF THE ORDER

1.5.1. This Order is organised in eight chapters as detailed below:

- **Chapter 1** provides the background and details of the quasi-judicial regulatory process undertaken by the Commission.
- **Chapter 2** summarises the interaction with the stakeholders including issues raised by stakeholders, Licensees' responses, and the Commission's views thereon.

- **Chapter 3** details the Petitioners' submissions, Commission's analysis, scrutiny and conclusion on ARR for FY 2017-18.
- **Chapter 4** details the Petitioners' submissions, Commission's analysis, scrutiny and conclusion on consumer category-wise Cost of Service for FY 2017-18.
- **Chapter 5** details the Petitioners' submissions, Commission's analysis, scrutiny and conclusion on final true-up for FY 2015-16 and provisional trueing up for FY 2016-17.
- **Chapter 6** details the Petitioners' submissions, Commission's analysis, scrutiny and conclusion on tariff design.
- **Chapter 7** details the approved Retail Supply Tariff Schedule for FY 2017-18.
- **Chapter 8** details the terms and conditions of tariff applicable to LT and HT consumers.
- **Chapter 9** details the Commission's Directives.

CHAPTER 2 - STAKEHOLDER CONSULTATION

The Commission has received several objections/suggestions/comments on the petitions for determination of ARR and the retail supply tariff for FY 2017-18. The Commission has obtained replies from the DISCOMS on the objections/suggestions/comments received from the stakeholders. For the sake of clarity, the objections raised by the stakeholders and responses of the petitioner have been consolidated and summarised issue-wise.

The Commission has taken note of all the objections/suggestions/comments of the stakeholders raised in writing as well as during the course of Hearings and the DISCOM's responses to them. In the subsequent Chapters of this Order, the Commission has kept in view the objections/suggestions/comments of the stakeholders and replies of the Petitioner in determination of the retail supply tariff for FY 2017-18.

2.1 TARIFF FILINGS

2.1.1 Stakeholders submitted the following:

- **Adequacy of information & adherence to timelines:** The DISCOMS are repeatedly non-compliant with the directives of the Commission with respect to the timelines of tariff filings. The DISCOMS have requested the Commission to retain the Retail Supply Tariffs of FY 2016-17 for FY 2017-18 but have not submitted adequate information for facilitating the stakeholders to be able to raise objections and provide suggestions on the tariff filings for FY 2017-18.
- **Fixed charges for backing down:** The DISCOMS in their filings have projected surplus power for FY 2017-18. However, the details of fixed charges to be paid for backing down in view of the aforesaid surplus power were not submitted.
- **Revenue details:** The DISCOMS have submitted the revenue requirement for FY 2017-18 but have not submitted the revenue at current tariffs, revenue gap, subsidy expected from the State Government and the measures to bridge the revenue gap, if any, after considering the State Government subsidy.
- **True up proposals:** Despite the directives of the Commission in the Retail Supply Tariff Order for FY 2016-17 to file the true-up proposals, the DISCOMS have not filed the true-up proposals as directed by the Commission citing the Ujwal DISCOM Assurance Yojana (UDAY). The ARR filings do not provide information on the status of loans taken over under UDAY by GoTS. The Commission is requested to direct the DISCOMS to file the true-up proposals in accordance with the Regulations without any further delay.
- **Regulatory asset:** The un-bridged Revenue Gap, if any, for FY 2017-18 after considering the State Government subsidy should neither be treated as Regulatory

Asset nor be allowed for recovery in the trueing up.

Replies of Licensees

2.1.2 Adequacy of information & adherence to timelines:

The Licensee has sought additional time for filing of tariff proposals due to the following reasons:

- Ministry of Power (MoP), Government of India (GoI) had constituted a committee for examining and recommending options for simplification and rationalisation of consumer categories and tariff.
- Government of Telangana State (GoTS) conveyed its intention to join UDAY; however the MoU was not executed at the time of ARR filings. Subsequently, the Licensees have entered into a tripartite agreement with GoTS and GoI on 4th January, 2017.

Though the Licensees made all efforts for filing the tariff proposals on time, the delay was mainly attributable to the above factors. However the TS DISCOMS have filed the ARR in time i.e., on 30th November, 2016 in order to comply with the directive of TSERC.

The required information for determining the ARR has been submitted to the Commission. Further, the additional information sought by the Commission has also been submitted.

2.1.3 Fixed charges for backing down: The details of station wise fixed costs of each generating station and the energy dispatch based on merit order for every month have been included in the DISCOM filings. Further, any stranded fixed capacity due to open access availed by the consumers is being evaluated and the DISCOMs propose to recover such fixed costs in the form of additional surcharge from open access consumers, which will be filed separately.

2.1.4 Revenue details: The Commission shall determine the tariffs and requirement of Government Subsidy to bridge the revenue gap considering the filings of the DISCOMs and the views of the stakeholders.

2.1.5 True-up proposals:

- The proposals for 1st and 2nd Control Periods and for FY 2014-15 have not been filed as the GoTS is taking over 75% of the total outstanding loans as on 30.09.2015.
- The true-up for FY 2015-16 and FY 2016-17 shall be filed along with the tariff

proposals for FY 2018-19 after assessing the impact of loans taken over by the Government and additional support from the Government.

- Under UDAY, out of the total commitment of INR 8,923 Crores, the GoTS has taken over INR 7,500 Crores i.e. approximately 85% of commitment. The remaining 15% will be taken over in this financial year.
- The true-up claims for FY 2017-18 shall be made in accordance with the Regulation No. 4 of 2005 read with amendment Regulation No. 1 of 2014.

2.1.6 **Regulatory asset:** The DISCOMs have proposed to retain the Retail Supply Tariffs of FY 2016-17 for FY 2017-18 as the GoTS has assured to provide the required support to bridge the Revenue Gap, if any.

Commission's Views

2.1.7 **Adequacy of information, revenue details & adherence to timelines:**

- The Licensees are expected to file the ARR and Tariff proposals for retail supply business for the ensuing year by the end of November of current year as per the Act and regulations. The Licensees have requested multiple extensions of time for filing petitions. Owing to the reasons laid down for the delays in their ARR filings, the Commission while expressing displeasure in this regard, directs the DISCOMs to adhere to the timelines as laid down in the Act, regulations and UDAY.
- Considering that some information was not furnished by the DISCOMs, the Commission sought additional information from the DISCOMs and decided to proceed with the tariff determination to avoid any further delay

2.1.8 **Fixed charges for backing down:** The Commission has considered the relevant information in its analysis.

2.1.9 **True-up proposals:**

- The DISCOMs in their Tariff filings for FY 2016-17 expressed inability to file true-up proposals citing participation in UDAY. The Tripartite Memorandum of Understanding (MoU) amongst the Ministry of Power, GoI and GoTS and DISCOMs was executed on 04.01.2017. The Commission in its Tariff Order for FY 2016-17, opined that any amount not covered under UDAY by the GoTS will be taken up in the subsequent Orders in this matter. The preamble of UDAY MoU advocates improvement in operational and financial efficiency of the DISCOMs to enable their financial turnaround. The resultant impact of trueing-up, if not prudently worked out considering the participation in UDAY, would unduly impact either the consumers or the Licensees. In line with the objective of

Electricity Act 2003 to balance the interest of consumers and Licensees, although a delay in filing is not desired the Commission finds it appropriate to provide the Licensees an opportunity to file the true-up proposals along with its tariff proposals for FY 2018-19.

- In accordance with APERC Regulation No. 1 of 2014 adopted by the Commission, the DISCOMs are required to file true up of retail supply business giving details of the variation in power purchase cost of previous year along with the ARR for the next year. The DISCOMs have not filed true up proposals in accordance with the APERC Regulation No. 1 of 2014. The Commission directed the DISCOMs to submit the impact of UDAY on their distribution business and retail supply business. The DISCOMs have submitted the impact of savings in distribution business but have not submitted the details of borrowings for funding the increased power purchase cost, covered under UDAY. The Commission has carried out the final true-up of power purchase cost for FY 2015-17 and provisional true-up of power purchase cost for FY 2016-17 considering the additional information submitted by the Licensees regarding the actual sales and power purchase cost for the respective years as detailed in Chapter 5.

2.1.10 **Regulatory asset:** The Commission appreciates the views of the objectors.

2.2 CONSUMER CATEGORY-WISE SALES FOR FY 2017-18

2.2.1 Stakeholders submitted the following:

- **Growth rates:**
 - a. While projecting the consumer category-wise sales for FY 2017-18, the overall growth rate has been projected as 9.42% and 12.05% by SPDCL and NPDCL, respectively. The Commission is requested to make realistic projections of consumer category-wise sales for FY 2017-18.
 - b. The growth rate for HT category has been projected as 14% and 26.16% by SPDCL and NPDCL, respectively. In view of the growth rates for past years, the projections for FY 2017-18 seem to be unrealistic.
- **Agriculture growth:**
 - a. The growth rate for LT Agriculture has been projected as 6.50% by SPDCL and NPDCL for FY 2017-18. The same needs to be pruned realistically considering the past trend of projecting higher agricultural consumption by the DISCOMs.
 - b. The DISCOMs have not detailed the methodology of assessing the actual agricultural consumption.

Replies of Licensees

2.2.2 **Growth rates:** The DISCOMs have made realistic assumptions of sales growth based on current and past trends. The sales for HT consumers are projected to increase based on the assumption that the consumers opting for Open Access would reduce on account of uninterrupted and reliable power from DISCOMs.

2.2.3 **Agriculture growth:**

- a. In the Licensee area of SPDCL, 54,717 agricultural service connections were released as against the target of 50,000 service connections in FY 2015-16 and 74,946 agricultural service connections were released as against the target of 64,730 service connections in FY 2016-17. In the Licensee area of NPDCL a total of 42,635 new agriculture service connections are planned to be released during FY 2016-17, of which 17,621 service connections were released up to the month of September 2016.
- b. In view of the increase in number of agricultural connections and considering the per HP consumption for the ensuing year to be at the same level as that of the current year, the growth rates have been projected by the DISCOMs for FY 2017-18.
- c. The agricultural consumption is assessed based on the ISI methodology as approved by the Commission. The methodology requires installation of meters on the sample DTRs and estimating agricultural consumption based on valid meter readings.

Commission's Views

2.2.4 The Commission has projected consumer category-wise sales for FY 2017-18 taking into consideration the actual sales recorded in the previous years and the anticipated load growth in FY 2017-18. The Commission's approach has been elaborated in Chapter 3 of this Order.

2.3 ENERGY AVAILABILITY FOR FY 2017-18

2.3.1 Stakeholders submitted the following:

- **Power purchase plan:** The surplus energy available for FY 2017-18 has been projected to be 11,320 MU, which is equivalent to 20.67% of the projected energy requirement. However, the availability of energy from new gas based IPPs have not been considered on the grounds of uncertainty in gas availability. In case of gas availability to those projects, the surplus energy would increase to 16,977 MU, which is equivalent to 31% of the projected energy requirement for FY 2017-18. Such substantial surplus energy would lead to financial burden. Considering the

gravity of the situation, the Commission is requested to direct the DISCOMs to submit the long-term forecast, resource plan and power procurement plan and conduct separate regulatory proceedings on the same for ensuring competitive tariffs to consumers. The DISCOMs should explore the opportunities to sell the surplus power available in the power exchanges.

- **Renewable Power Purchase Obligation (RPPO):**
 - a. The energy availability from non-conventional energy sources has been projected as 5,163 MU, which is equivalent to 11.05% of the total projected sales for FY 2017-18. For meeting the RPPO of 5%, it is not warranted to execute Power Purchase Agreements (PPAs) for purchasing energy from non-conventional sources equivalent to 11% of the projected sales.
 - b. The term of the PPAs for procurement of energy from non-conventional sources should be limited to 5 years.
 - c. The DISCOMs should not be allowed to execute PPAs, especially for procuring energy from non-conventional energy sources, without the Commission's approval of their long-term load forecast, resource plan and power procurement plan.
 - d. The energy procured from hydel stations should be considered for the purpose of RPPO.
 - e. The arrangement of Renewable Energy Certificates (RECs) should be dispensed with.
- **Thermal power backing down due to Renewable Energy Sources (RES):** The renewable energy plants are being treated as must-run stations, which increases the average power purchase cost on account of higher tariffs of RES and backing down of thermal stations with lower tariffs thereby causing a financial burden on the DISCOMS.
- **TPCIL Unit 2:** The Commission is requested to review the approval accorded for procurement of power from TPCIL Unit 2 under the DBFOO competitive bidding.
- **Energy conservation and energy efficiency:** The initiatives of the DISCOMs towards energy conservation and energy efficiency need to be taken into consideration while arriving at the energy requirement.
- **RES initiatives:** The initiatives to promote the rooftop solar programme and solar pump sets should be taken in to consideration while arriving at the energy requirement. The power purchase from the solar power developers who have been awarded the projects pursuant to the competitive bidding should not be allowed if the timelines for project execution are not adhered to. Wide fluctuations in generation from wind power plants create challenges in grid management. All the future wind power projects should be awarded through competitive bidding process

only.

Replies of Licensees

2.3.2 Power purchase plan:

- a. The DISCOMs have made realistic assumptions of energy requirement and energy availability based on the data available. The energy requirement for FY 2017-18 has been projected based on the projected growth rates considering the present trend and current socio-economic policies. The availability of power has been estimated based on the expected Plant Load Factors (PLFs) of the existing stations and the expected date of Commissioning (COD) of upcoming stations. The projected energy surplus for FY 2017-18 may not be achieved in reality due to uncertainties in load forecasting. The current peak demand of 9,191 MW is expected to increase beyond 10,000 MW with the increase in supply hours to agricultural consumers and commissioning of the Lift Irrigation Schemes of the State Government. The energy availability from new gas based IPPs have not been considered due to non-availability in FY 2015-16 and FY 2016-17.
- b. The guidelines issued by the Commission regarding the submission of load forecast and resource plan have been complied with. The detailed load forecast and resource plan for the fourth Control Period from FY 2019-20 to FY 2023-24 shall be filed as per the timelines specified by the Commission.

2.3.3 Renewable Power Purchase Obligation (RPPO): RPPO, which is currently 5% of the total sale specifies only the minimum energy to be procured from RES. The new RPPO targets proposed by MNRE are 11.50% and 14.25% for FY 2016-17 and FY 2017-18, respectively. If the term of the Renewable Energy PPA is limited to 5 years, developers will not be encouraged to set up the renewable energy projects, as financial institutions would not be willing to lend loans for projects with such short duration PPAs.

2.3.4 Thermal power backing down due to Renewable Energy Sources (RES): There will not be significant impact of solar power generation on the backing down of thermal generating stations when compared to the associated tangible and intangible benefits.

2.3.5 TPCIL Unit 2: The PPA for procurement of power from TPCIL Unit 2 has been approved by the Commission after due diligence.

2.3.6 Energy conservation and energy efficiency: The energy efficiency and conservation initiatives of the DISCOMs are at a nascent stage and those initiatives shall have considerable effect on the energy requirement in the following years.

2.3.7 RES initiatives:

- a. The power procurement from solar plants has been made through transparent competitive bidding process. The successful bidders pursuant to the competitive bidding have been issued the Letter of Intent with the approval of GoTS and the Commission. Subsequently, the PPAs have been executed with individual developers at the tariff discovered in the competitive bidding process.
- b. The solar projects awarded by the DISCOMs are based on distributed generation to partially meet the demand at the district level. The tariffs realised in the competitive bidding conducted by the DISCOMs cannot be compared with the tariffs realised under the solar park concept as the land for solar park is provided by the Government and the evacuation facility is not the responsibility of the developer. The model adopted by the DISCOMs has intangible benefits like transmission and distribution loss reduction.
- c. Renewable energy integration is a major challenge being experienced by all States and the Ministry of New & Renewable Energy (MNRE) is contemplating an exclusive Green Transmission Corridor to transfer surplus generation from RES particularly wind based power to the States in need, so as to reduce fluctuations of variable and intermittent generation from such projects
- d. The Government has extended the timelines for solar plants selected in 2015 bidding up to 30.06.2017 keeping in view the difficulties expressed by the solar power developers in procurement of land, and district reorganisation. The synchronisation permissions are not being issued for the solar plants which are not set up within the revised scheduled time. The PPAs will become in fructuous /be terminated if the solar plants are not set up within the revised scheduled time. The procurement of wind power shall be in accordance with the National Tariff Policy, 2016.

Commission's view

2.3.8 Power purchase plan:

- a. The Commission has considered the energy availability from various contracted long-term sources of power considering the actual generation in the

past and the projected generation for FY 2017-18. The Licensees should meet the peak requirement in terms of demand (MW) and energy requirement (kWh). The Licensees should contract for adequate generation capacity through an optimal mix of long-term, medium-term and short-term sources, to meet the peak demand as well as peak energy requirement. Further, the surplus energy available as projected may vary based on the actual consumption pattern and actual availability of power from different contracted sources.

- b. Clause No. 9 of Regulation No. 4 of 2005 stipulates that the Distribution Licensee should file the resource plan on 1st April of the year preceding the first year of the Control Period. **The Commission directs the Licensees to comply with Clause No. 9 of Regulation No. 4 of 2005 for the next Control Period commencing on 01.04.2019.**

2.3.9 Renewable Power Purchase Obligation (RPPO):

- a. The Commission has examined the availability from RES. To have a check on the depleting fossil fuels, increasing global warming, emission of greenhouse gasses, the Commission has examined such availability. APERC Regulation No. 1 of 2012 adopted by the Commission specifies the RPPO of 5% during each year from FY 2012-13 to FY 2016-17. The Commission shall determine the long term growth trajectory of RPPO as per National Tariff Policy 2016 for the period commencing from 01.04.2017 considering the availability from RES in the State and its impact on Retail Supply Tariffs, in due course of time.
- b. It is not advisable to limit the tenure PPAs of renewable energy project to five (5) years as that would hamper the availability of funds from financial institutions to developers.

2.3.10 **Thermal power backing down due to Renewable Energy Sources (RES):** The Commission u/s 61 (g) & 86 (1) (e) of Electricity Act 2003 has responsibility to encourage the purchase of energy from renewable sources. Hence, it is mandatory to encourage renewable sources of energy and the same must be procured. Further, the renewable sources of energy reduces the emission of greenhouse gasses which in-turn reduces the global warming.

2.3.11 **TPCIL Unit 2:** The Commission has passed a detailed order on procurement of power from TPCIL Unit II under the DBFOO and all issues were considered in the tariff order.

2.3.12 **RES initiatives:** The new solar projects have been awarded in the State pursuant to the competitive bidding conducted by the Licensees. Any deviation from the conditions regarding power off-take should be within the framework of the competitive bidding and the conditions there-in.

2.4 POWER PURCHASE COST FOR FY 2017-18

2.4.1 Stakeholders submitted the following:

- **Other Costs:** The DISCOMs have not provided adequate justification for the cost of INR 356 Crores claimed under ‘other cost’ for the power procurement from the thermal generating stations of TSGENCO and APGENCO.
- **Short term market:** The DISCOMs have projected the energy availability from short term market at the rate of INR 6.20/kWh, without giving the details of such projection. The power purchase cost for FY 2017-18 has been projected without considering the energy available from the short term market although the energy available from the short term market has been projected. The DISCOMs submitted that the short term power shall be procured on need basis depending on demand. On account of the above, the power purchase cost projected for FY 2017-18 appears to be underestimated. As the energy available is already in surplus of the energy required, the short term purchase should not be allowed.
- **Variable charges:**
 - a. The variable Charge of RTS-B of INR 3.39/kWh as projected by the DISCOMs appears to be much higher than the other coal based thermal generating stations in the State.
 - b. The Commission is requested to consider the generation tariff of power procurement in line with the approach adopted in the Retail Supply Tariff Order for FY 2016-17 without considering any escalation in the variable charges.

- **Pension liabilities:** The Commission is requested to advise the GoTS to take over the pension liabilities of the DISCOMs and TSGENCO.

Replies of Licensees

- 2.4.2 **Other costs:** The other cost claimed is towards the share of the DISCOMs in the additional interest on pension bonds of TSGENCO.
- 2.4.3 **Short term market:** The availability of 2,797MU under market purchases is shown in the filings, as the period of certain Short Term Power Purchase Agreements already entered by the DISCOM in FY16-17 will be completed by May'2017. Due to surplus power available from all other sources, no dispatch is shown from market source.
- 2.4.4 **Variable charges:**
- a. RTS-B unit with installed capacity of 62.5 MW is in operations for the last 46 years. The station heat rate of the unit is higher in comparison to the 500 MW units. Therefore, the variable charge of RTS-B is higher in comparison to the other stations on account of higher Station Heat Rate.
 - b. The allocation of coal for SCCL TPP should be from SCCL mines so that the variable charge is on the lower side.
- 2.4.5 **Pension liabilities:** The amount of Rs. 4,386.90 Crore towards meeting the pension liability of the pensioners/family pensioners of the erstwhile Andhra Pradesh State Electricity Board (APSEB) as on 31.01.1999 and the employees of the erstwhile APSEB as on 31.01.1999 working thereafter for the APGENCO, APTRANSCO and the DISCOMs and since retired, was vested in the erstwhile APGENCO in terms of the statutory First Transfer Scheme dated 30.01.2000 notified by the State Government under the AP Electricity Reforms Act, 1998. Under this provision, a Master Trust has been created and vested with the liabilities. The additional fund required to meet the pension liabilities over and above the interest allowed on pension bonds (bonds were issued to meet the pension liabilities) has been recognized and allowed as pass through in the Tariff on a year to year basis by the erstwhile APERC in the Tariff Order dated 24.03.2003 and subsequent Orders.

Commission's view

- 2.4.6 The Commission has approved the power purchase cost for FY 2017-18 based on the approved quantum and tariffs for the respective generating stations. The Commission's approach has been elaborated in Chapter 3 of this Order.

2.5 TRANSMISSION CHARGES FOR FY 2017-18

2.5.1 Stakeholders submitted that the transmission charges need to be approved based on the Transmission Tariff approved by the Commission vide its MYT Order dated 01.05.2017.

Replies of Licensees

2.5.2 The Transmission Charges for FY 2017-18 have been projected considering the MYT Order applicable at the time of filing the ARR proposals for FY 2017-18.

Commission's view

2.5.3 The Commission has considered the Transmission Tariff for FY 2017-18 as approved in its Order dated 01.05.2017.

2.6 CONSUMER CATEGORISATION

2.6.1 Stakeholders submitted the following:

- **Revenue impact on re-categorisation:** The DISCOMs have proposed the changes in the definitions of some of the consumer categories but have not submitted the financial impact on revenues due to such change.
- **Haircutting Saloons:** The GoTS vide its GO dated 06.01.2016 categorised the hair cutting saloons under LT I category in place of LT II category. However, the hair cutting saloons are being charged under LT II (D) category. Hence, it is requested to categorise all the hair cutting saloons under LT I category.
- **Telecommunication infrastructure:** Categorise the telecommunication infrastructure as an industry (both LT and HT as may be applicable) irrespective of the zonal location (residential, commercial or industrial) and consider for "Special Industrial Tariff" to the entire telecom infrastructure deployed in the State of Telangana. The telecom business in India has been recognized as an "Industry" under various Statute Rules and/or Regulations, Government Notification etc. Emphasis is placed on the recent National Telecom Policy 2012, which specifically refers telecom business as the fastest growing industry in Indian economic history.
- **Construction activity:** The construction activity is being categorised under Temporary Supply although such stipulation was not made in the Tariff Order. The Commission in its Order dated 04.08.2016 in O.P. No. 90 of 2015 ruled that the construction activity cannot be said as a temporary connection and the same was not defined in the Tariff Order. The nature of power used for construction activity

closely resembles industrial categories. It is requested to categorise the construction activity under the industrial category, viz., LT III for LT connections and HT I or HT II for HT connections.

- **Painting and Powder coating Units:** The painting and powder coating units are small scale processing units and registered with Ministry of Small & Medium Enterprises (MSME), GoTS. Historically, these units were being treated as Small Scale Industries but in recent times, the Licensees have resorted to treating such units as commercial and are issuing assessment notices with back billing. It is requested to treat the painting and powder coating units as Small Scale Industries.
- **Street lighting services:** In order to encourage energy conservation measures by GHMC, the Commission is requested to categorise the street lighting services for municipal corporations under LT VI(A) as:
 - a. Conventional Street Lighting services and
 - b. LED Street Lighting servicesThe Commission is also requested to provide a reduced tariff for LED street lighting services.
- **Crematoriums:** Certain crematoriums maintained and operated by Greater Hyderabad Municipal Corporation (GHMC) render free service. The said services are currently being billed under HT II as such services are not defined in any particular category. The Commission is requested to include “Crematoriums operated and maintained by the local bodies” in the note to terms and conditions of HT II category to limit the overall kVAh rate to LT VII General Purpose.
- **Welding works** should be categorised under LT IV category.
- **Dairy Farms** are currently categorised under LT II category. Dairy farms may be treated at par with agro based activity and categorised accordingly.
- **Rice Mills:** A separate consumer sub-category may be created for rice mills under LT III with contracted load up to 180 HP.
- **Chaff cutting:** Animal Husbandry Department, Yadadri-Bhongir district requested the Commission to categorise the chaff cutting units for cutting fodder grass to feed animals under LT V category in place of existing LT IV category, stating that the chaff cutters are provided subsidy (50%) under various State and Central Governments programmes.

- **Community Water Systems:** Water Health India Private Limited (WHIN) submitted that they execute Community Water Management System Agreements with panchayats and Municipalities (local bodies) on Build, Operate and Transfer (BOT) model for the supply of purified drinking water. As per the Agreement, the application for obtaining service connection shall be made by the respective local bodies and the initial security deposit and the monthly electricity consumption charges would be borne by WHIN. The activity of discharging the statutory obligation on behalf of the local bodies is in the nature of Public Water Supply (PWS) and therefore, the activity should be categorized under LT VI(B) in place of the existing categorization under LT II.
- **Hyderabad Metropolitan Water Supply and Sewerage Board (HMWSSB)** is a public utility organization engaged in supply of safe drinking water and disposal of sewerage as prime functions. The Commission is requested to provide concessional tariff to HMWSSB under HT I (A) category or treat at par with CPWS.
- **Hyderabad Metro Rail (HMR):** The Commission vide its Tariff Order dated 23.06.2016 for FY 2016-17 categorised HMR as a separate category. The Commission is requested to direct the Licensee to charge the tariff at Rs. 7.00/kVAh for the entire Rail System including traction, stations, depots and other systems associated with metro rail operations w.e.f. 01.07.2016 as per the Tariff Order dated 23.06.2016 till the issue of the Tariff Order.

Replies of Licensees

- 2.6.2 **Financial impact of re-categorisation:** There is no significant financial impact on the revenues of the DISCOMs due to the proposed changes in consumer categorisation.
- 2.6.3 **Haircutting saloons:** In the Retail Supply Tariff Order for FY 2016-17, the hair cutting saloons with monthly consumption up to 200 units are categorised under LT - II(D) category with tariff lower than that of other LT commercial categories. The GoTS had released a subsidy of INR 3.39 Crores for this consumer category in FY 2016-17.
- 2.6.4 **Telecommunication infrastructure:** The LT II category is applicable for commercial activity and other activities not covered in any other LT category. As there is no manufacturing, processing and preserving goods activity, telecom towers are being categorised under LT-II-Non-Domestic/Commercial category. The classification of

telecom business under various Statute Rules and/or Regulations, Government Notification, is not binding upon the utilities or the Electricity Regulatory Commissions which function on the principles contained in the Electricity Act.

- 2.6.5 **Construction activity:** As per the Tariff Order for FY 2016-17, construction activity cannot be categorised under LT III and HT I categories. In order to remove ambiguities, the Licensees have proposed the definition of temporary categories to cover the construction activities.
- 2.6.6 **Painting and Powder coating Units:** Upon inspection it was observed that the said activity does not include processing/manufacturing. As per the Tariff Order, the categorisation of such units has been changed to Commercial from Industrial and back billing was done for those units.
- 2.6.7 **Street lighting services:** The usage of LED system injects reactive power into the system/network, which leads to lower power factor and technical loss. Further, the energy for streetlights under LT VI A is being billed based on active power, i.e., kWh basis and not kVAh basis. The categorisation is based on nature of activity, power factor, load factor, voltage, consumption, etc., as per Section 62(3) of the Electricity Act, 2003. Further, implementation of energy conservation measures like introducing energy efficient LED system in place of conventional street lights reduces the annual energy consumption leading to financial benefit of the consumer i.e. GHMC.
- 2.6.8 **Crematoriums:** The Commission may take a view regarding the proposal of including “Crematoriums operated and maintained by the local bodies” in the note to terms and conditions of HT II category.
- 2.6.9 **Chaff cutting:** As per terms and conditions of the Tariff Order, the chaff cutting activity for cutting fodder grass to feed the animals falls under LT IV (B) Agro Based Activities. Further, the LT IV Cottage and Agro Based industries category is being subsidised through cross-subsidy from other class of consumers.
- 2.6.10 **Community Water Systems:** As per the Tariff Order for FY 2016-17, the activity undertaken by WHIN is in the nature of Reverse Osmosis (RO) water plants and hence, the same are categorized under LT III.
- 2.6.11 **HMWSSB:** The HT IV (B) Composite Water Supply Schemes category is applicable to energy consumption by HT services pertaining to Composite Protected Water Supply (CPWS) schemes in rural areas. As the HMWSSB is in Hyderabad Metropolitan area, the HT IV (B) category tariffs cannot be made applicable.

2.6.12 **Hyderabad Metro Rail (HMR):** HTV (B) category approved by the Commission is applicable for Hyderabad Metro Rail Traction load only. The station auxiliary load (including Lighting, Air Conditioners and Escalators, etc.) falls under HT III (Airports, Railway Stations and Bus Stations) category and Station retail load (Shops, Malls, Theatres and other stores) falls under HT II Others Category as per the definitions of HT categories provided in the Tariff Order 2016-17.

Commission's view

2.6.13 **Financial impact of re-categorisation:** The impact of the proposed changes in categories by DISCOMs has been considered while computing the revenue for FY 2017-18.

2.6.14 **Haircutting saloons:** The reply of Licensee with reference to categorisation is in order.

2.6.15 **Telecommunication infrastructure:** The reply of Licensee with reference to categorisation is in order.

2.6.16 **Construction activity, crematoriums & HMR:** The request is noted and Commission's analysis & ruling on this matter is dealt with in Chapter 8.

2.6.17 **Street lighting services, chaff cutting, HMWSSB and community water systems, welding works, dairy farms and rice mills:** The reply of Licensee is in order.

2.6.18 **Painting and power coating units:** In view of no tariff revision, the existing tariff under LT III Industry shall be applicable.

The Commission directs the Licensee to bill the consumers as per the categorisation approved by the Commission in the Tariff Order. The consumers, if aggrieved, need to follow the due process in place for relief.

2.7 RETAIL SUPPLY TARIFFS FOR FY 2017-18

2.7.1 Stakeholders submitted the following:

- **Tariff revision:** The Commission may consider tariff revision for some of the categories for FY 2017-18 to avoid tariff shock in the following years.

- **CoS approach:**
 - a. The cost of service for each consumer category if calculated considering only evening peak results in erroneous calculation as they do not reflect the significant demand related expenses of power purchase and other items incurred to cater to agricultural loads.
 - b. The retail supply tariffs are to be arrived at using the category-wise Cost of Service.
 - c. The Commission is requested to approve the tariff for HTV(B) at INR 4.98/kWh in accordance with the policy direction issued by the GoTS and the Concession Agreement as the Cost of Service for this category works out to INR 4.98/kWh as against INR 8.11/kWh proposed by the Licensee.

- **Tariff Policy:** The mandate of Tariff Policy of designing tariff at $\pm 20\%$ of the average cost of supply is not adhered to by the DISCOMs. Any benefit to the subsidised categories beyond the maximum of $\pm 20\%$ should be made good by Government Subsidy and not by recovering from the subsidising categories.

- **Power incentive for spinning mills:** The Commission is requested to approve the power incentive of INR 2 per unit for spinning mills for FY 2017-18.

- **LT IV load limit:** The load limit to the LT IV category should be enhanced to 15 HP in place of existing 10 HP. The tariff of LT IV category should be approved as Rs. 1.80/kWh.

- **Effective tariff of LT I vs. HT VI:** The lower tariff of HT VI consumer category when compared to effective tariff of LT I consumer category is resulting in undue advantage to housing communities in cities where economically upward consumers reside.

- **HT I optional load:** The optional category under HT I may be enhanced from 150 kVA to 180 kVA.

- **Subsidy for increased agriculture supply:** The State Government should reimburse the proportionate additional subsidy because of increased hours of supply to agricultural connections.

- **Ferro Alloy consumption provision:** The deemed consumption provision (minimum 85% of CMD for billing) may be waived off for Ferro Alloy units on annual basis and during disconnection period. The tariff for Ferro Alloy units may

be reduced by Rs. 0.50/kVAh.

- **Demand charges for start-up power:** The Commission is requested to determine the demand charges for start-up power at 25% of the demand charges of HT II category as against the proposal of DISCOMs to levy 100% of the Tariff as charged to HT-II-Others category.

2.7.2 Railway traction tariff policy: South Central Railway submitted that Indian Railways is availing power through Open Access in several states from Ratnagiri Gas and Power Private Limited (RGPPL). The rate is Rs. 4.70/kWh in TSSPDCL and Rs.5.50/kWh in TSNPDCL. The option of procuring power through Open Access is being planned in Telangana State. Hence, they requested the Hon'ble Commission:

- to approve single part tariff of Rs. 4.70/kVAh in place of the existing tariff of Rs. 7.10/kVAh considering that Railways is a public utility with the characteristics of base load, high power factor and bulk consumption.
- to exempt Railways from levy of Cross Subsidy Surcharge and additional surcharge as it is a deemed Distribution Licensee as per Clause 8.5.1 of National Tariff Policy 2016.
- to approve a rebate of atleast 10% of energy charges to give impetus to electrification of Railway network.
- to critically examine the preferential treatment given to Ferro Alloy units in comparison to the Railway Traction, although both are power intensive industries and the contribution of Railways to economic and social development far outweighs higher load factor of Ferro Alloy units.

Reply of Licensees

2.7.3 Tariff revision: It is proposed to retain the existing tariffs as per the Tariff Order of FY 2016-17 for the ensuing year FY 2017-18, as the GoTS has assured to provide the required support to bridge the gap if any.

2.7.4 Cost of Service approach:

- a. The electricity supply to agricultural consumers is during day and with no supply during the peak hours. The peak load is witnessed for shorter duration only in a day. Hence, the average of morning and evening peaks is an appropriate method for determining the Cost of Service.
- b. 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/category-wise

cost of supply. Licensees are obligated to provide supply to all categories of consumers, including subsidised consumers.

- c. The Commission has determined the tariff for Hyderabad Metro Rail by creating a sub category under HT-V (B) with tariff of Rs 7.00/ kVAh as energy charges and zero demand charges. This tariff is made applicable to Hyderabad Metro Rail Traction load only.

- 2.7.5 **Tariff Policy adherence:** The mandate of the Tariff Policy to maintain the category-wise tariffs within $\pm 20\%$ of the average cost of supply has been followed to the extent possible considering the obligation to supply electricity to all categories of consumers.
- 2.7.6 **Power incentive to spinning mills:** The incentive to spinning mills shall be extended as per the directions of Government of Telangana and Hon'ble Commission for FY 2017-18.
- 2.7.7 **LT IV load limit:** The load limits are determined based on the electricity consumption, accordingly the maximum load limit for this category was enhanced from 5HP to 10HP in the tariff order FY 2013-14.
- 2.7.8 **Demand charges for start-up power :**The start-up power charges for HT II category are as per the Tariff Order for FY 2016-17. The DISCOMs endeavour to meet the demand (including Contracted Maximum Demand) of their consumers all the time, for which they must enter into agreements with various generators and pay the fixed charges. Hence, to recover these fixed charges, DISCOMs are levying the minimum demand charges at 80% of Contracted Maximum Demand (CMD) on the consumers.
- 2.7.9 **Railway traction tariff:** Regarding the tariff for Railway Traction, the DISCOMs submitted that the cost of power currently being procured from RGPPL is Rs. 5.50 per unit, which would translate to a landed cost of Rs. 7.55 per unit including the PoC charges, PoC losses and TSTRANSCO Open Access charges. The consumers of distinct categories cannot be treated alike, as the categories are based on the factors postulated u/s 62 of the Act. The Railways benefited from an uninterrupted power supply while other HT consumers were subject to power cuts. Further, the Ferro Alloy units are subject to guaranteed energy off-take condition.

Commission's view

2.7.10 Cost of Service & Tariff:

The Commission while adhering to the principles of National Tariff Policy, determines

the tariff for each category, considering

- a. existing tariff,
- b. Increase in the average cost of supply over the previous year for the subsidizing categories so that the cross subsidies from these categories are not increased,
- c. Avoiding tariff shock to the subsidised categories.

Also while communicating the full cost recovery schedule, it was informed to the Government of Telangana that, if it wished to retain the existing retail supply tariffs as proposed by the Licensees, the consequential additional subsidy as communicated, shall be borne by the Government with a view to avoid tariff shock to the consumers.

2.7.11 Power incentive for spinning mills: The present system shall continue as GoTS has agreed to provide subvention directly to DISCOMs.

2.7.12 LT IV load limit: The response of the Licensee is in order.

2.7.13 Demand charges for start-up power: The request is noted and Commission's analysis & ruling on this matter is dealt with in Chapter 8.

2.7.14 Railway traction tariff:

- a. If the Indian Railways desires to avail of the deemed licensee status in order to avail the exemption from the cross subsidy surcharge, it can approach the Commission through a petition as per the regulations in force, for the Commission to examine.
- b. The general principle of tariff structure is to have two part tariff, i.e. capacity/ fixed/ demand charges and energy charges. Accordingly, the Commission has fixed the two part tariff for HT categories except certain categories on technical grounds. Hence, it is not possible to determine single part tariff.
- c. The tariff of Railways has been dealt with separately in Chapter 8.

2.8 OPERATIONAL ISSUES

2.8.1 Stakeholders have expressed concern regarding the following:

- **Electrical accidents & timely response to consumer complaints:**

- a. Poor distribution network in rural areas, non-installation of AB Switches, lack of awareness in consumers on safety etc are the main cause of electrical accidents. Safety audit by third party agencies will help to identify the causes of electrical accidents and plan preventive measures.
- b. The State Government has to prepare necessary rules to mandate the Chief Electrical Inspectorate to inquire into all electrical accidents and to suggest

- remedial measures.
- c. Delays are taking place in disbursement of ex-gratia for loss of life due to electrical accidents.
 - d. Lack of adequate manpower is hampering the field officers in fulfilling their responsibilities.
- **Release of new connections & repairs of DTRs:**
 - a. The DISCOM officials are not adhering to the provisions of the Regulation No. 4 of 2013 regarding the share of consumer contribution for release of new connection and raising demand notices including the cost of DTR. The consumers are forced to purchase the material which the DISCOMs are obligated to supply. Further, the material is being transported by the consumers in most of the cases at their own cost, which should be actually done by the DISCOMs.
 - b. Consumers are forced to transport the faulty transformers for replacement at their own cost.
 - c. The stolen transformers are not being replaced on time due to which the farmers are adversely affected by loss of produce.
 - **Functioning of Consumer Grievance Redressal Forums (CGRF):**
 - a. Several instances have been observed wherein the Orders of CGRFs issued in favour of respondents are not implemented.
 - b. The composition and functioning of certain CGRFs need to be reviewed by the Commission.
 - c. The Fourth Member (Consumer Member) of the CGRF should be provided with voting rights.
 - d. Wide publicity is to be given about the CGRF meetings in advance through different media to enable effective participation of consumers.

Reply of Licensees

2.8.2 Electrical accidents & timely response to consumer complaints:

- a. The Licensees are extending their best efforts for improving the distribution network. The Chief Electrical Inspectorate is being informed about the electrical accidents after occurrence and inspections are being carried out at the accident location.
- b. In order to rectify old and defective lines/electrical equipment a drive has been taken up especially in rural areas. The D.Es/Technical of concerned circles is nominated as safety officers. It is proposed to designate safety audit officer at corporate office to monitor such cases.

- c. The recruitment process for officers has been initiated. The field officers have been instructed to respond to complaints received from the consumers promptly. Any case of negligence, delay or irregularity is taken up with appropriate disciplinary action as per service regulations after conducting due enquiry.

2.8.3 Release of new connections & repairs of DTRs: In case of available capacity on the DTR, estimated cost shall be limited to LT line only. Otherwise installation of new DTR is required to prevent overloading of the existing DTR. The entire cost of releasing the agricultural connections is currently being borne by the DISCOMs. In view of exercising adequate safety measures during repairs, the consumers are to refrain from carrying out any repairs on DTRs or lines as it is the responsibility of the DISCOMs or contractors identified by the DISCOMs.

2.8.4 Functioning of CGRFs: The Orders issued by CGRFs are being implemented except in few cases where such Orders are in contradiction to the Tariff Order or Regulations of the Commission. The Licensees do not have the provision to seek relief against the CGRF Orders either before Vidyut Ombudsman or Hon'ble High Court. The Commission was requested to amend the Regulation No. 3 of 2015 seeking equal opportunity to both the Parties to file an appeal. The Licensees are obliged to follow the terms and conditions of the Tariff Order and Regulations of the Commission.

Commission's Views

2.8.5 Electrical accidents & timely response to consumer complaints: The Commission has noted the submissions of the stakeholders regarding the operational issues of the Licensees. The Commission expresses concern that despite the Commission's Regulations being in place, many of the consumers during the Public Hearing have been raising various operational issues. The Commission shall take appropriate measures to address the issues raised by various stakeholders in due course of time.

2.8.6 Release of new connections & repairs of DTRs:

- a. Regulation No. 4 of 2013 specifies that in case of LT Supply, the responsibility of erection of distribution transformer lies with the Distribution Licensee and shall not charge cost of transformer to any consumer, except in case of commercial complexes, apartments and multi storied buildings, and levy only development charges.
- b. The Commission takes note of the concerns of the consumers with reference to transportation of DTRs / material for repairs and delay in resolving the complaints. The Commission shall take appropriate measures to address the issues raised by various stakeholders in due course of time.

2.8.7 **Functioning of CGRFs:** The Orders of the CGRFs are binding on the DISCOMs. In case any CGRF Order is in contradiction with the Commission's Orders or Regulations, the DISCOMs may approach the appropriate Court for necessary relief.

2.9 OTHERS

2.9.1 **Agriculture consumption:**

- a. The stakeholders submitted that the UDAY Scheme stipulates segregation of agricultural feeders and 100% metering of DTRs. The DISCOMs should complete the metering of DTRs serving agricultural services to avoid the problems faced in sampling method under the ISI methodology. Care should be taken that meter reading/billing efficiency is 100%.
- b. Due to the declining underground water table, the farmers should be allowed to operate single phase motors in place of three phase motors.
- c. The consumers are asked to remove the auto starters citing wastage of electricity. DISCOMs may provide the necessary facilities to enable the farmers to remotely operate the agricultural pump sets so that the auto-starters can be removed

2.9.2 **Losses:** The stakeholders submitted that the distribution/commercial losses in Hyderabad South circle continue to be more than 40%. The DISCOM should take concrete actions to bring down the commercial losses/theft in the area covered by Hyderabad South circle.

2.9.3 **Fixed cost & interest on pension bonds:** APGENCO submitted that tariff for its generating stations for the Control Period from FY 2014-15 to FY 2018-19 was determined by APERC vide its Order dated 26.03.2016. The DISCOMs are required to pay the amount of Rs. 283.01 Crore towards the Annual Fixed Cost for FY 2014-15 and FY 2015-16 and Rs. 948.34 Crore towards interest on pension bonds for FY 2014-15 to FY 2016-17. APGENCO requested the Commission to consider these amounts in the Retail Supply Tariff Order for FY 2017-18.

2.9.4 **Information to stakeholders:**

- a. The stakeholders have requested the Commission to provide adequate time (more than one week) for the DISCOMs to reply to their comments/ objections/ suggestions and for the stakeholders to make additional submissions on the replies of the DISCOMs during the Public Hearings.
- b. The structure of the electricity bill may be simplified for easy understanding of the consumers. A booklet detailing the different elements in the electricity bill may be published.

- c. The tariff proceedings such as ARR filings, replies to stakeholders' comments and Tariff Order should be undertaken in Telugu language.
- d. The ARR filings should be made available in a form which enables the stakeholders to analyse the data (such as spreadsheets).
- e. Citizens Charter should be displayed at all offices of the DISCOMs and Gram Panchayats. The toll free number for registering consumer complaints should be widely publicised.
- f. The planning and progress as against the targets set forth under the UDAY Scheme should be available on the public domain on similar lines of Ministry of Power, GoI
- g. Technical glossary should be included along with the tariff filings for better understanding of the stakeholders.

2.9.5 The DISCOMs should take measures to settle the issue of employees belonging to Andhra Pradesh State on the payrolls of GoTS at the earliest. Till the settlement of the issue, they should be allocated work in Telangana State to avoid financial burden on the consumers.

2.9.6 The Commission is requested to revisit the Tariff Regulations for determination of Generation Tariff in line with the CERC Tariff Regulations, 2014.

Reply of Licensees

2.9.7 Agriculture consumption:

- a. A proposal has been submitted for approval of the Commission for installing meters to all agricultural DTRs in Nagarkurnool Division, Mahabubnagar. The works shall be undertaken after obtaining Commission's approval on the same.
- b. Pumping water from deep bore wells by farmers with single phase motors is not advisable in the interest of safety and life of equipment.

2.9.8 **Losses:** Intensive inspections are being conducted on high loss feeders in the Hyderabad South Circle and continuous efforts are being made to curb the theft and to reduce the losses.

2.9.9 Fixed cost & interest on Pension Bonds:

- a. The Commission, in its Retail Supply Tariff Order for FY 2016-17, had considered the Annual Fixed Cost of APGENCO stations for FY 2016-17 as approved by the APERC. The Commission may take a view on admissibility of the amount claimed by APGENCO towards the Annual Fixed Cost for FY 2014-15 and FY 2015-16.
- b. As per the Retail Supply Tariff Order for FY 2016-17 issued by the APERC, the

interest on pension bonds of Rs. 710 Crore was allocated to the two DISCOMs of Andhra Pradesh. The Commission, in its Retail Supply Tariff Order for FY 2016-17, has allocated the pension liabilities of TSGENCO amounting to Rs. 322 Crore to the DISCOMs. However, APGENCO has claimed the approved interest on pension bonds of Rs. 710 Crore as approved by the APERC from APDISCOMs and TSDISCOMs while TSGENCO has claimed the approved interest on pension bonds of Rs. 322 Crore from TSDISCOMs only. Further, as per the clarification issued by the APERC in this regard, the approved amount of Rs. 710 Crore towards interest on pension bonds pertains to both APGENCO and TSGENCO stations and not for APGENCO stations alone. In view of the above, the Commission is requested either to consider the share of interest on pension bonds of APGENCO stations on the DISCOMs also or to consider the liability of interest on pension bonds of respective State GENCO on the respective State DISCOMs alone.

2.9.10 The issue of employees belonging to Andhra Pradesh State is pending adjudication before the Hon'ble Supreme Court of India.

Commission's view

2.9.11 Agricultural consumption:

- a. The Commission in its Tariff Order for FY 2016-17, directed the DISCOMs to chalk out a 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. The DISCOMs have not demonstrated their seriousness in this regard. In these circumstances the Commission has no other option but to revise the target for metering of unmetered agricultural consumers to a more realistic timeline. Accordingly, the Commission directs the DISCOMs submit an action plan to meet the specification of UDAY with regard to metering of agricultural connections. In case an action plan is not put in place and non-achievement of targets by end of 2017-18 as stipulated in UDAY, the basis for approval of agricultural sales for FY 2018-19 will be taken at the levels of FY 2015-16.

- b. With regard to the usage of single phase of motors for deep borewells, the reply of Licensees is satisfactory.

2.9.12 **Fixed cost:** The Tariff Order for APGENCO stations for the Control Period from FY 2014-15 to FY 2018-19 was issued by Hon'ble APERC on 26.03.2016. The prayer of the Licensees regarding the Annual Fixed Cost for FY 2014-15 and FY 2015-16 shall

be considered during the final truing up exercise..

- 2.9.13 **Interest on Pension Bonds:** The Commission vide its Order dated 05.06.2017 on approval of MYT for TSGENCO for the Control Period from FY 2014-15 to FY 2018-19 has approved the additional interest on pension bonds for TSGENCO as INR 624.15 Crores for FY 2017-18. Hon'ble APERC vide its Order dated 26.03.2016 on approval of MYT for APGENCO for the Control Period from FY 2014-15 to FY 2018-19 has approved the additional interest on pension bonds for APGENCO as INR 757.95 Crores for FY 2017-18. The Commission has considered the share of TSDISCOMs i.e., 53.89% of the amount pertaining to APGENCO and TSGENCO for FY 2017-18 up to 10.06.2017. From 11.06.2017, the Commission has considered the share of TSDISCOMs as 100% of the amount pertaining to TSGENCO. Accordingly, the Commission has approved the amount of INR 636.27 Crores towards additional interest on pension bonds, for FY 2017-18.
- 2.9.14 **Information to stakeholders:** The Commission takes note of the information requirement of stakeholders and also consider the request of the stakeholders for additional time during the tariff determination process for the ensuing tariff proceedings. **The DISCOMs are directed to include the technical glossary in their tariff filings from the next year.**
- 2.9.15 The Commission shall take into consideration the CERC (Terms and Conditions of Tariff) Regulations, 2014 in the issue of its revised Tariff Regulations for determination of Generation Tariff.

CHAPTER 3 – ANNUAL REVENUE REQUIREMENT FOR FY 2017-18**3.1 SALES PROJECTIONS FOR FY 2017-18**

3.1.1 SPDCL and NPDCL have projected the consumer category wise sales of 32,844.04 MU and 13,865.66 MU respectively for FY 2017-18. The approach adopted by the Licensees in projecting the consumer category wise sales for FY 2017-18 is as under:

- (i) The trend method and end-user method have been adopted for projecting the sales in various consumer categories.
- (ii) In the trend method, the actual consumer category wise sales from FY 2010-11 to H1 of FY 2016-17 have been taken into consideration for projecting the sales for FY 2017-18. The category wise Compound Annual Growth Rate (CAGR) trend during the last 5 years, 4 years, 3 years, 2 years, 1 year and growth rate of first half of FY 2016-17 over first half of FY 2015-16 have been considered for projecting the sales for second half of FY 2016-17. The sales for FY 2017-18 have been projected considering the revised estimates for FY 2016-17 applying the appropriate growth rates based on CAGR.
- (iii) The end use method has been used for projecting the sales under HT I, HT IV and HT V categories since the historical growth rates for these categories does not take into consideration the new initiatives which have significant impact on the sales projections.

3.1.2 The consumer category wise sales projected by the Licensees for FY 2017-18 are as shown in the Table give below:

Table 1: Consumer category wise sales projected by Licensees for FY 2017-18 (MU)

Consumer Category		SPDCL	NPDCL	Total
LT Category		19710.76	9869.65	29580.41
Category I (A&B)	Domestic	8028.32	3343.33	11371.65
Category II (A, B & C)	Non-Domestic/Commercial	2350.89	667.03	3017.92
Category III (A&B)	Industrial	858.05	248.08	1106.13
Category IV (A&B)	Cottage Industries & Dhobighats	10.14	6.65	16.79
Category V (A, B & C)	Irrigation & Agriculture	7643.74	5263.65	12907.39
Category VI (A&B)	Local Bodies, Street Lighting & PWS	747.00	292.03	1039.03
Category VII (A&B)	General Purpose	70.55	48.89	119.44
Category VIII (A&B)	Temporary Supply	2.06	0.00	2.06
HT Category at 11 kV		4761.42	1494.85	6256.26
HT-I	Industry Segregated	3087.57	557.59	3645.15
HT-I(B)	Ferro Alloys	0.00	0.00	0.00
HT-II	Others	1497.32	119.82	1617.14
HT-III	Airports, Railways and Bus Stations	6.09	8.60	14.70

Consumer Category		SPDCL	NPDCL	Total
HT-IV(A)	Lift Irrigation & Agriculture	18.37	14.78	33.15
HT-IV(B)	CP Water Supply Schemes	29.86	81.26	111.11
HT-VI	Townships and Residential Colonies	88.55	13.06	101.61
HT	Temporary Supply	33.65	0.00	33.65
HT	RESCOs	0.00	699.74	699.74
HT Category at 33 kV		4880.21	508.32	5388.52
HT-I	Industry Segregated	4154.72	184.21	4338.93
HT-I(B)	Ferro Alloys	0.00	0.00	0.00
HT-II	Others	661.07	13.39	674.46
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00
HT-IV(A)	Lift Irrigation & Agriculture	18.46	27.80	46.26
HT-IV(B)	CP Water Supply Schemes	0.86	236.12	236.98
HT-VI	Townships and Residential Colonies	45.10	46.79	91.89
HT	Temporary Supply	0.00	0.00	0.00
HT	RESCOs	0.00	0.00	0.00
HT Category at 132 kV		3491.66	1992.84	5484.50
HT-I	Industry Segregated	2202.69	694.65	2897.34
HT-I(B)	Ferro Alloys	165.81	0.00	165.81
HT-II	Others	67.92	3.38	71.30
HT-III	Airports, Railways and Bus Stations	58.19	0.00	58.19
HT-IV(A)	Lift Irrigation & Agriculture	831.16	767.71	1598.87
HT-IV(B)	CP Water Supply Schemes	0.00	0.00	0.00
HT-V(A)	Railway Traction	147.22	422.91	570.14
HT-V(B)	HMR	18.66	0.00	18.66
HT-VI	Townships and Residential Colonies	0.00	104.19	104.19
HT	Temporary Supply	0.00	0.00	0.00
HT	RESCOs	0.00	0.00	0.00
Total		32844.04	13865.66	46709.70

Commission's Analysis and Ruling

3.1.3 The Commission in its Tariff Order for FY 2016-17 dated 23.06.2016 has approved the sales of 32,759 MU and 12,358 MU for SPDCL and NPDCL respectively for FY 2016-17. As against the same, the actual sales for FY 2016-17 were 30,844 MU and 13,028 MU as submitted by SPDCL and NPDCL respectively. The approach adopted by the Commission for projecting the sales for FY 2017-18 is as under.

3.1.4 The Commission has prudently scrutinized the sales projections submitted by the Licensees. The Commission has taken due cognizance of various submissions made by the Licensees and adopted the trend method for projecting the sales for all the consumer categories except LT V, HT I(A) (33 kV and 132 kV), HT IV and HT V(B). The actual sales for FY 2016-17 as submitted by the Licensees have been considered as the base for projecting the sales for FY 2017-18. The 3 year Compound Annual Growth Rate (CAGR) computed for the respective consumer category has been applied on the base year sales to project the sales for FY 2017-18. In the case of

consumer categories for which the 3 years CAGR has been observed to be on the negative side, the Commission has considered the nominal growth rate of 1%.

3.1.5 **LT V Agriculture:**

- The Commission in its Retail Supply Tariff Order for FY 2016-17 directed the DISCOMs to follow the report of the Indian Statistical Institute (ISI) in estimation of agricultural sales for FY 2017-18 and submit a detailed write-up.. The DISCOMs in their filings did not substantiate as to how the agricultural sales for FY 2017-18 have been projected complying with ISI methodology. Further, the Commission in its Tariff Order for FY 2016-17 has observed as under:

“3.17. The Commission examined the data filed by the Licensees in detail, i.e. the actual sales data furnished every month based on ISI Methodology. The Commission noticed several discrepancies in the data furnished, such as no continuous 12 months meter reading of the same meter and/ or same transformer is available, thus not reflecting the realistic agricultural consumption in the said area for the entire year so as to extrapolate the overall consumption in the surrounding area.

3.18. The consumption as per meter reading of the transformers has been observed to be in excess of the respective transformer capacity or the cumulative capacity of pump sets connected to that transformer for the number of hours of supply extended in a month.”

- The DISCOMs in their Petitions have not submitted any response on the above stated observations of the Commission in the Tariff Order for FY 2016-17. In view of the above, the approach adopted by the Commission in projecting the agricultural sales for FY 2017-18 is as under.
- The Commission in its Tariff Order for FY 2016-17 had approved the agricultural sales of 6946.40 MU and 4589.01 MU for SPDCL and NPDCL respectively. As against the same, the actual sales as submitted by SPDCL and NPDCL are 8767.64 MU and 5731.03 MU. In accordance with APERC Regulation No. 1 of 2014, adopted by the Commission, the agricultural sales should be limited to the approved sales in the Tariff Order. Hence, the Commission has arrived at the allowable agricultural sales for FY 2016-17 by considering the sales for each month as the minimum of approved sales and actual sales. By this method, the Commission has arrived at the allowable agricultural sales of 6759.38 MU and 4386.75 MU for SPDCL and NPDCL respectively for FY 2016-17. Considering the same as the base, the Commission has approved the agricultural sales of 6824.00 MU and 4941.00 MU as against the filings of 7643.74 MU and 5263.65 MU for SPDCL and NPDCL respectively for FY 2017-18.

- 3.1.6 **HT I(A) Industry:** In view of the increased power availability in the State, the Commission finds it appropriate to approve the DISCOMs sales projections of HT I(A) category (33 kV and 132 kV).
- 3.1.7 **HT IV Government Lift Irrigation Schemes & Agriculture:** The DISCOMs submitted that the upcoming Lift Irrigation Schemes (LIS) in FY 2017-18 have been considered for projecting the sales for this category. In this regard a copy of the correspondence from TSTRANSCO indicating the projected energy consumption for LIS connected at 132 kV voltage level has been submitted by the DISCOMs. The Commission reworked the sales for this category considering the LIS in operation in view of the variations between the DISCOMs filings and the TRANSCO correspondence w.r.t. the anticipated CODs of the upcoming LIS and the hours of operation. The Commission approves the sales projection of HT IV category by considering the following factors:
- the load at the respective voltage level and
 - 16 hours of operation in a day for a period of 90 days in the year.
- 3.1.8 **HT V (B) Hyderabad Metro Rail:** The DISCOMs, in their filings projected the energy consumption by HMR traction load from April, 2017 onwards. Since HMR is yet to commence its commercial operations, the Commission has considered the sales for this category from October, 2017 onwards.
- 3.1.9 Based on the above, the consumer category wise sales projection for FY 2017-18 approved by the Commission is as shown in the Table below:

Table 2: Category wise Sales projections approved by the Commission for FY 2017-18 (MU)

Consumer Category		SPDCL	NPDCL	Total
LT Category		18530.25	9257.87	27788.11
Category I (A&B)	Domestic	7699.26	3088.81	10788.07
Category II (A, B & C)	Non-Domestic/Commercial	2371.94	644.36	3016.29
Category III (A&B)	Industrial	842.08	246.65	1088.73
Category IV (A&B)	Cottage Industries & Dhobighats	9.59	7.76	17.35
Category V (A, B & C)	Irrigation & Agriculture	6824.00	4941.00	11765.00
Category VI (A&B)	Local Bodies, Street Lighting & PWS	710.52	282.85	993.37
Category VII (A&B)	General Purpose	70.73	46.44	117.17
Category VIII (A&B)	Temporary Supply	2.13	0.00	2.13
HT Category at 11 kV		4837.34	1539.57	6376.92
HT-I	Industry Segregated	3151.31	525.85	3677.16
HT-I(B)	Ferro Alloys	0.00	0.00	0.00
HT-II	Others	1466.65	116.71	1583.36

Consumer Category		SPDCL	NPDCL	Total
HT-III	Airports, Railways and Bus Stations	5.62	8.09	13.71
HT-IV(A)	Lift Irrigation & Agriculture	65.06	81.84	146.90
HT-IV(B)	CP Water Supply Schemes	30.64	45.31	75.95
HT-VI	Townships and Residential Colonies	85.94	11.94	97.88
HT	Temporary Supply	32.12	0.00	32.12
HT	RESCOs	0.00	749.83	749.83
HT Category at 33 kV		4892.77	407.40	5300.18
HT-I	Industry Segregated	4154.72	184.21	4338.93
HT-I(B)	Ferro Alloys	0.00	0.00	0.00
HT-II	Others	631.70	18.57	650.27
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00
HT-IV(A)	Lift Irrigation & Agriculture	58.71	62.04	120.76
HT-IV(B)	CP Water Supply Schemes	0.86	93.69	94.54
HT-VI	Townships and Residential Colonies	46.78	48.90	95.68
HT	Temporary Supply	0.00	0.00	0.00
HT	RESCOs	0.00	0.00	0.00
HT Category at 132 kV		3497.28	2162.56	5659.84
HT-I	Industry Segregated	2202.69	694.65	2897.34
HT-I(B)	Ferro Alloys	184.29	0.00	184.29
HT-II	Others	74.39	3.38	77.77
HT-III	Airports, Railways and Bus Stations	55.40	0.00	55.40
HT-IV(A)	Lift Irrigation & Agriculture	825.12	947.92	1773.04
HT-IV(B)	CP Water Supply Schemes	0.00	0.00	0.00
HT-V(A)	Railway Traction	142.94	415.92	558.86
HT-V(B)	HMR	12.44	0.00	12.44
HT-VI	Townships and Residential Colonies	0.00	100.69	100.69
HT	Temporary Supply	0.00	0.00	0.00
HT	RESCOs	0.00	0.00	0.00
Total		31757.65	13367.40	45125.05

3.1.10 The monthly consumer category wise sales approved by the Commission for FY 2017-18 are enclosed at Annexures 3 to 5.

3.2 ENERGY REQUIREMENT FOR FY 2017-18

3.2.1 The Licensees have arrived at the energy requirement by grossing up sales with approved transmission and voltage wise distribution losses in the Transmission and Distribution tariff orders of the relevant order for the third control period by the Commission. Accordingly, the energy requirement for FY 2017-18 has been projected as 38432.94 MU for SPDCL and 16323.10 MU for NPDCL.

Commission's Analysis and Ruling

3.2.2 The Commission has considered the voltage wise loss trajectory approved in the

Distribution & Wheeling Tariff Order for the 3rd Control Period (i.e., from FY 2014-15 to FY 2018-19) and adopted the voltage wise losses approved for FY 2017-18 as shown in Table below:

Table 3: Distribution Losses considered by the Commission for FY 2017-18

Particulars	SPDCL	NPDCL
LT	5.25%	5.25%
11 kV	4.40%	4.20%
33 kV	3.99%	4.00%

- 3.2.3 The Commission has considered the approved losses of 3.10% for FY 2017-18 as per MYT Order for TSTRANSCO, dated 01.05.2017.
- 3.2.4 The energy requirement for each DISCOM 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. Further, the Commission has considered the energy availability from Non-Conventional Energy sources connected at the respective Distribution voltage level. Thereafter, the TSTRANSCO losses of 3.10% have been considered.
- 3.2.5 PGCIL Losses & CSPTCL Losses – The Commission has considered the PGCIL losses applicable for the procurement of energy from the respective Central Sector Generating Stations. The Commission has also considered the Chattisgarh Power Transmission Company Ltd. (CSPTCL) losses as approved by the CSERC for FY 2017-18 for power procurement under CSPDCL PPA.
- 3.2.6 The energy requirement approved by the Commission is as shown in the Tables below:

Table 4: SPDCL - Energy Requirement approved by the Commission for FY 2017-18

Voltage	Loss (%)	Sales (MU)	LT	11 kV	33 kV	132 kV
LT	5.25%	18530.25	19556.99	20457.10	21307.26	21988.92
11 kV	4.40%	4837.34		5059.98	5270.27	5438.87
33 kV	3.99%	4892.77			5096.11	5259.14
132 kV	3.10%	3497.28				3609.17
Total		31757.65	19556.99	25517.08	31673.64	36296.10
% Loss upto said voltage			5.25%	8.42%	10.78%	12.50%
CSGS and CSPDCL (MU)		11054.91				
ISTS Loss (MU)		3.28%				
Distribution Loss (MU)		3413.27				
Transmission Loss (MU)		1125.18				
PGCIL & CSPTCL Loss (MU)		362.13				
Total Power Purchase requirement including Losses (MU)		36658.23				

Table 5: NPDCL – Energy Requirement approved by the Commission for FY 2017-18

Voltage	Loss (%)	Sales (MU)	LT	11 kV	33 kV	132 kV
LT	5.25%	9257.87	9770.84	10199.20	10624.17	10964.06
11 kV	4.20%	1539.57		1607.07	1674.03	1727.58
33 kV	4.00%	407.40			424.38	437.96
132 kV	3.10%	2162.56				2231.74
Total		13367.40	9770.84	11806.27	12722.58	15361.34
% Loss upto said voltage			5.25%	8.54%	11.93%	12.98%
CSGS and CSPDCL (MU)		6893.88				
ISTS Loss (MU)		3.28%				
Distribution Loss (MU)		1517.74				
Transmission Loss (MU)		476.20				
PGCIL & CSPTCL Loss (MU)		225.83				
Total Power Purchase requirement including Losses		15587.16				

3.3 ENERGY AVAILABILITY FOR FY 2017-18

3.3.1 The DISCOMs have projected the Energy Availability for FY 2017-18 from the following long term and short term sources of power:

- (i) TSGENCO and APGENCO – thermal generating stations
- (ii) Hydel generating stations (TSGENCO and interstate)
- (iii) Central Sector Generating Stations (NTPC & NPCIL)
- (iv) APGPCL
- (v) Other long term sources (TPCIL Unit 1, TPCIL Unit 2, SCCL TPP and CSPDCL PPA)
- (vi) Non-Conventional Energy Sources
- (vii) Market sources

3.3.2 For projecting the energy availability, the DISCOMs have considered the actual performance of the respective generating station up to September, 2016 and projected performance as estimated for FY 2017-18.

3.3.3 **TSGENCO & APGENCO – thermal generating stations:** The energy availability from the thermal generating stations of TSGENCO and APGENCO has been projected considering the normative performance parameters for the respective generating stations and share allocation to Telangana State. Accordingly, the energy availability from the thermal generating stations of TSGENCO and APGENCO has been projected as 21468.74 MU for FY 2017-18.

- 3.3.4 **Hydel generating stations (TSGENCO and interstate):** The energy availability from hydel generating stations has been projected as 1400 MU considering the lower generation levels in the previous years.
- 3.3.5 **Central Sector Generating Stations (NTPC and NPCIL):** The energy availability from Central Sector Generating Stations of NTPC and NPCIL has been projected considering the normative performance parameters for the respective generating stations and the share allocation to Telangana State. The energy availability from new generating stations (NTPC Kudgi) has been projected considering the expected CODs of the respective Units. Accordingly, the energy availability from Central Sector Generating Stations including bundled power (coal) has been projected as 15387.47 MU for FY 2017-18.
- 3.3.6 **APGPCL:** The energy availability from APGPCL has been projected as 91.52 MU for FY 2017-18.
- 3.3.7 **Other long term sources:**
- (i) The energy availability from TPCIL Unit 1 and TPCIL Unit 2 considering the PLF of 85%. Accordingly, the energy availability has been projected as 1875.91 MU and 3968.34 MU for TPCIL Unit 1 and TPCIL Unit 2 respectively for FY 2017-18.
 - (ii) The energy availability from SCCL TPP has been projected considering the normative performance parameters. Accordingly, the energy availability from SCCL TPP has been projected as 7778.90 MU for FY 2017-18.
 - (iii) The energy availability under CSPDCL PPA has been projected considering the normative performance parameters for the respective generating station. Accordingly, the energy availability under CSPDCL PPA has been projected as 6482.40 MU for FY 2017-18.
- 3.3.8 **Non-Conventional Energy Sources:** The energy availability from non-conventional energy sources has been projected considering the existing installed capacity and the new capacity under implementation expected to achieve COD in FY 2017-18. Accordingly, the energy availability from Non-Conventional Energy sources including bundled power (solar) has been projected as 4827 MU for FY 2017-18.
- 3.3.9 The DISCOMs have projected the energy availability of 2796.93 MU from the short term market.
- 3.3.10 The DISCOMs have projected the total energy availability of 66077.04 MU from long

term and short term sources of power.

Commission's Analysis and Ruling

3.3.11 The Commission has scrutinized the submissions of the DISCOMs regarding the projections of energy availability for FY 2017-18 and considered both the existing and new generating stations (expected to achieve COD in FY 2017-18). The monthly energy availability during the previous years from existing generating stations has been considered as basis for projections. For new stations, the energy availability is projected from the expected COD of the respective station/unit considering the normative performance parameters. The assumptions on projection of the quantum of energy available from various sources for FY 2017-18 are detailed in the following paragraphs.

3.3.12 **TSGENCO & APGENCO – thermal generating stations:** The allocated share to Telangana State from thermal generating stations of TSGENCO and APGENCO is as tabulated below:

Table 6: Allocation to Telangana State from thermal generating stations of TSGENCO and APGENCO

S. No.	Name of the Station	Installed Capacity	Undivided AP Share		Telangana State Share	
		MW	%	%	%	MW
A	Thermal-AP Genco					
1	VTPS I	1260.00	100%	1260.00	53.89%	679.02
2	VTPS II					
3	VTPS III					
4	VTPS IV	500.00	100%	500.00	53.89%	269.45
5	RTPP I	1050.00	100%	1050.00	53.89%	565.85
6	RTPP II					
7	RTPP III					
	Sub-total	2810.00		2810.00		1514.31
B	Thermal-TSGenco					
1	KTPS A	720.00	100%	720.00	53.89%	388.01
2	KTPS B					
3	KTPS C					
4	KTPS V	500.00	100%	500.00	53.89%	269.45
5	KTPS VI	500.00	100%	500.00	53.89%	269.45
6	RTS B	62.50	100%	62.50	53.89%	33.68
7	Kakatiya TPP Stage I	500.00	100%	500.00	53.89%	269.45
8	Kakatiya TPP Stage II	600.00	0%	0.00	100%	600.00
	Sub-total	2882.50		2282.50		1830.04
	Total Thermal	5692.50		5092.50		3344.35

3.3.13 The Commission has considered the interstate allocation between Telangana and Andhra Pradesh States only up to 10.06.2017, taking into cognisance of the discontinuance of interstate sharing of power w.e.f. 11.06.2017. From 11.06.2017, the energy allocation from APGENCO thermal stations has not been considered for TSDISCOMs and the entire availability of TSGENCO has been considered for TSDISCOMs. The share allocation to Telangana State w.e.f. 11.06.2017 considered by the Commission is as shown in the Table below:

Table 7: Allocation to Telangana State from thermal generating stations of TSGENCO and APGENCO w.e.f. 11.06.2017

S. No.	Name of the Station	Installed Capacity	Undivided AP Share		Telangana State Share	
		MW	%	%	%	MW
A	Thermal-AP Genco					
1	VTPS I	1260.00	100%	1260.00	0%	0.00
2	VTPS II					
3	VTPS III					
4	VTPS IV	500.00	100%	500.00	0%	0.00
5	RTPP I	1050.00	100%	1050.00	0%	0.00
6	RTPP II					
7	RTPP III					
	Sub-total	2810.00		2810.00		0.00
B	Thermal-TS Genco					
1	KTPS A	720.00	100%	720.00	100%	720.00
2	KTPS B					
3	KTPS C					
4	KTPS V	500.00	100%	500.00	100%	500.00
5	KTPS VI	500.00	100%	500.00	100%	500.00
6	RTS B	62.50	100%	62.50	100%	62.50
7	Kakatiya TPP Stage I	500.00	100%	500.00	100%	500.00
8	Kakatiya TPP Stage II	600.00	0%	0.00	100%	600.00
	Sub-total	2882.50		2282.50		2882.50
	Total Thermal	5692.50		5092.50		2882.50

3.3.14 The energy availability from the thermal generating stations of TSGENCO and APGENCO has been projected considering the monthly average of the actual generation during the preceding 3 years and share allocated to Telangana State in the respective generating stations. The energy availability projections approved by the Commission after consideration of the interstate allocation w.e.f. 11.06.2017 is as follows:

Table 8: Energy availability projections from thermal generating stations of TSGENCO and APGENCO approved by the Commission (MU)

S. No.	Name of the Station	FY 2017-18	
		Claimed	Approved
A	Thermal-APGenco		
1	VTPS I	4342.16	885.12
2	VTPS II		
3	VTPS III		
4	VTPS IV	1746.68	364.31
5	RTPP I	1443.42	269.05
6	RTPP II	1443.42	304.21
7	RTPP III	721.71	144.10
	Sub-total	9697.39	1966.79
B	Thermal-TSGenco		
1	KTPS A	2455.40	3588.75
2	KTPS B		
3	KTPS C		
4	KTPS V	1718.36	2770.11
5	KTPS VI	1746.68	2743.73
6	RTS B	214.79	282.05
7	Kakatiya TPP Stage I	1746.68	2868.29
8	Kakatiya TPP Stage II	3889.44	4233.05
	Sub-total	11771.35	16485.99
	Total Thermal	21468.74	18452.78

3.3.15 **Hydel generating stations (TSGENCO and interstate):** The allocated share to Telangana State from hydel generating stations is as tabulated below:

Table 9: Allocated share to Telangana State from hydel generating stations

S. No.	Name of the Station	Installed Capacity	Undivided AP Share		Telangana State Share	
		MW	%	MW	%	MW
	Hydel-Inter State					
1	Machkund PH	120.00	70%	84.00	53.89%	45.27
2	Tungabharda PH	72.00	80%	57.60	53.89%	31.04
3	Priyadarshini Jurala HEP	234.00	0%	0.00	50.00%	117.00
	Sub-total	426.00		141.60		193.31
	Hydel-APGenco					
1	Upper Sileru PH	240.00	100%	240.00	0.00%	0.00
2	Lower Sileru PH	460.00	100%	460.00	0.00%	0.00
3	Donkarayi Canal PH	25.00	100%	25.00	0.00%	0.00
4	Srisaillam Right Bank PH	770.00	100%	770.00	0.00%	0.00
5	Nagarjunasagar Right Canal PH	90.00	100%	90.00	0.00%	0.00

S. No.	Name of the Station	Installed Capacity	Undivided AP Share		Telangana State Share	
		MW	%	MW	%	MW
6	Nagarjunasagar Tail Pond Dam PH	50.00	100%	50.00	0.00%	0.00
7	Penna Ahobilam HES	20.00	100%	20.00	0.00%	0.00
8	Chettipeta Mini Hydel	1.00	100%	1.00	0.00%	0.00
	Sub-total	1656.00		1656.00		0.00
	Hydel-TSGenco					
1	Nagarjunasagar HES	815.60	100%	815.60	100.00%	815.60
2	Nagarjunasagar Left Canal PH	60.00	100%	60.00	100.00%	60.00
3	Srisaillam Left Bank HES	900.00	100%	900.00	100.00%	900.00
4	Lower Jurala HEP	240.00	100%	240.00	100.00%	240.00
5	Pulichintala	120.00	0%	0.00	100.00%	120.00
6	Pochampad PH	36.00	100%	36.00	100.00%	36.00
7	Nizamsagar HES	10.00	100%	10.00	100.00%	10.00
8	Singur HES	15.00	100%	15.00	100.00%	15.00
9	Paleru	2.00	100%	2.00	100.00%	2.00
10	Peddapalli MHS	9.16	100%	9.16	100.00%	9.16
	Sub-total	2207.76		2087.76		2207.76
	Total Hydel	4289.76		3885.36		2401.07

The Commission observes that the energy availability from hydro generating stations has been much lower than the Design Energy for the respective generating stations in the recent years. In such a situation, the Commission finds it inappropriate to consider the energy availability projections from hydro generating stations as equal to Design Energy of the respective generating station. At the same time, the Commission finds the projections of energy availability by the DISCOMs also to be inappropriate. Hence, the energy availability from existing hydel generating stations has been projected considering the monthly average of the actual generation during the previous 5 years and share allocation to Telangana State in the respective generating stations. The energy availability from new stations has been projected considering the expected COD of the respective station/unit. The energy availability projections approved by the Commission is as shown in the Table below:

Table 10: Energy availability projections from hydel stations approved by the Commission (MU)

S. No.	Name of the Station	FY 2017-18	
		Claimed	Approved
	Hydel-Inter State		
1	Machkund PH	60.33	230.11
2	Tungabharda PH	26.74	64.98
3	Priyadarshini Jurala HEP	64.18	95.63
	Sub-total	151.25	390.72

S. No.	Name of the Station	FY 2017-18	
		Claimed	Approved
	Hydel-TSGenco		
1	Nagarjunasagar HES	493.43	629.55
2	Nagarjunasagar Left Canal PH	22.67	34.54
3	Srisailem Left Bank HES	472.40	916.93
4	Lower Jurala HEP	46.31	40.37
5	Pulichintala	151.73	72.14
6	Pochampad PH	24.84	40.17
7	Nizamsagar HES	8.59	4.29
8	Singur HES	8.87	4.44
9	Paleru		
10	Peddapalli MHS	19.91	19.91
	Sub-total	1248.75	1762.34
	Total Hydel	1400.00	2153.07

3.3.16 **Central Sector Generating Stations (NTPC and NPCIL):** The allocated share of Telangana State from the Central Sector Generating Stations is as show in the Table below:

Table 11: Share allocation to Telangana State in Central Sector Generating Stations

S. No.	Name of the Station	Installed Capacity	Telangana State Share (%)	Telangana State Share (MW)
		MW		
1	NTPC Ramagundam Stage I & II	2100	16.68%	350.18
2	NTPC Ramagundam Stage III	500	17.07%	85.34
3	NTPC Talcher TPS II	2000	11.31%	226.19
4	NTPC Simhadri Stage I	1000	53.89%	538.90
5	NTPC Simhadri Stage II	1000	21.58%	215.84
6	NLC TPS II Stage I	630	8.51%	53.61
7	NLC TPS II Stage II	840	11.69%	98.15
8	NPC MAPS	440	5.10%	22.44
9	NPC Kaiga Units 1 & 2	440	15.72%	69.17
10	NPC Kaiga Units 3 & 4	440	16.70%	73.48
11	NTECL Vallur TPS	1500	7.36%	110.47
12	NLC TamilNadu Power Ltd.	1000	14.44%	144.43
	New Generating Stations			
13	NTPC Kudgi Unit 1	800	9.75%	78.00
14	NTPC Kudgi Unit 2	800	9.75%	78.00
15	NTPC Kudgi Unit 3	800	9.75%	78.00
	Total	14290		2222.19

3.3.17 To reduce the financial burden upon them, the Licensees submitted a requisition to

MOP, GoI expressing its willingness to surrender the share of Telangana State from NTECL Vallur TPS. In view of the requisition made by the Licensees, the Commission also observes that NLC TamilNadu Power Ltd. is also a similar project with high cost of generation. The Commission thus directs the DISCOMs to surrender the allocated share of Telangana State in NTECL Vallur TPS and NLC TamilNadu Power Ltd. Hence the Commission in this Order, has not considered the energy availability from these generating stations from 01.08.2017 onwards.

3.3.18 The energy availability from the existing Central Sector Generating Stations has been projected considering the monthly average of the actual generation during the preceding 3 years and allocated share to Telangana State in the respective generating stations. The energy availability from new stations has been projected considering the expected COD of the respective station/unit. The energy availability projections approved by the Commission is tabulated below:

Table 12: Energy availability projections from Central Sector Generating Stations approved by the Commission (MU)

S. No.	Name of the Station	FY 2017-18	
		Claimed (MU)	Approved (MU)
1	NTPC Ramagundam Stage I & II	2493.15	2557.00
2	NTPC Ramagundam Stage III	629.50	629.31
3	NTPC Talcher TPS II	1586.04	1696.76
4	NTPC Simhadri Stage I	3801.99	3900.71
5	NTPC Simhadri Stage II	1746.84	1483.91
6	NLC TPS II Stage I	314.01	362.29
7	NLC TPS II Stage II	579.94	646.71
8	NPC MAPS	137.65	134.81
9	NPC Kaiga Units 1 & 2	460.96	470.86
10	NPC Kaiga Units 3 & 4	460.96	500.21
11	NTECL Vallur TPS	754.54	195.11
12	NLC TamilNadu Power Ltd.	1058.97	343.37
13	Bundled Power (Coal)	336.41	*
	New Generating Stations		
14	NTPC Kudgi Unit 1	1026.52	551.56
15	NTPC Kudgi Unit 2		319.62
16	NTPC Kudgi Unit 3		88.95
	Total	15387.47	13881.17

**included in the respective generating stations.*

3.3.19 **APGPCL:** The allocated share to Telangana State in APGPCL is tabulated below:

Table 13: Allocated Share to Telangana State in APGPCL

S. No.	Name of the Station	Installed Capacity	Undivided AP Share		Telangana State Share	
		MW	%	MW	%	MW
1	APGPCL I	100.00	16.00%	16.00	41.68%	6.67
2	APGPCL II	172.00	24.88%	42.79	41.68%	17.83
	Total	272.00		58.79		24.50

3.3.20 The energy availability from APGPCL has been projected considering the monthly average of the actual generation during the preceding 3 years and allocated share to Telangana State. The energy availability projections as approved by the Commission is tabulated below:

Table 14: Energy availability projections from APGPCL approved by the Commission (MU)

S. No.	Name of the Station	FY 2017-18	
		Claimed	Approved
1	APGPCL I	19.99	13.69
2	APGPCL II	71.53	47.94
	Total	91.52	61.62

3.3.21 **Other long term sources:**

- (i) The energy availability from TPCIL Unit 1 and TPCIL Unit 2 has been projected considering the contracted capacity in the respective approved PPAs and actual performance in the previous year.
- (ii) The energy availability from SCCL TPP has been projected considering the normative performance parameters as approved by the Commission.
- (iii) The energy availability under CSPDCL PPA has been projected considering the contracted capacity and normative performance parameters for the respective generating station. The Commission has considered the progress of the evacuation network to import power in to the State while projecting the energy availability under CSPDCL PPA.

Table 15: Energy availability projections from other long term sources approved by the Commission (MU)

S. No.	Name of the Station	FY 2017-18	
		Claimed	Approved
1	TPCIL (Long Term 1)	1875.91	1893.47
2	TPCIL (Long Term 2)	3968.35	4005.48
3	SCCL TPP	7778.90	8421.43
4	CSPDCL	6482.40	5286.48
	Total	20105.56	19606.86

3.3.22 **Non-Conventional Energy Sources:** The energy availability from non-conventional energy sources has been projected considering the existing installed capacity and the new capacity expected to achieve COD in FY 2017-18. The energy availability from solar power plants has been projected considering the CUF of 16% after taking into cognisance the actual performance of the solar plants in FY 2016-17. The energy availability from other non-conventional energy sources has been considered as projected by the Licensees. The energy availability projections approved by the Commission is tabulated below:

Table 16: Energy availability projections from Non-Conventional energy sources approved by the Commission (MU)

S. No.	Name of the Station	FY 2017-18	
		Claimed	Approved
1	Biomass	151.74	151.74
2	Bagasse	1.97	1.97
3	Municipal waste	126.07	126.07
4	Industrial waste	5.52	5.52
5	Wind	397.75	397.75
6	Solar	4143.76	3519.18
	Total	4826.80	4202.22

3.3.23 The Commission has not considered availability of energy from short term market as the energy requirement is lower than the energy availability.

3.3.24 Accordingly, the Commission has approved the total energy availability projections of 57660.71 MU for FY 2017-18 as tabulated below:

Table 17: Energy Availability projections for FY 2017-18 (MU)

S. No.	Source	FY 2017-18	
		Claimed	Approved
1	TS Genco & AP Genco-Thermal	21468.74	18452.78
2	TS Genco-Hydel	1400.00	2153.07
3	CSGS	15387.47	13881.17
4	IPPs	0.00	0.00
5	APGPCL	91.52	61.62
6	Other Long Term Sources	20105.56	19606.86
7	NCS	4826.81	4202.22
8	Market	2796.93	0.00
	Total	66077.03	58357.73

3.3.25 The monthly energy availability projections approved by the Commission is enclosed at Annexure 6.

3.4 MONTHLY MERIT ORDER DISPATCH

3.4.1 The monthly availability of energy from various thermal power stations along with variable costs as considered by the Commission has been used for monthly merit order dispatch for FY 2017-18. In the merit order dispatch, the monthly energy availability above technical minimum, 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 Non-conventional sources 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 is minimized to the extent possible with reference to monthly information on availability and requirement.

3.5 COST OF GENERATION

3.5.1 The DISCOMS have considered the Annual Fixed Costs of existing generating stations based on the approved Tariff Orders for the respective generating stations for FY 2017-18. For the generating stations for which the Tariff Orders for FY 2017-18 are yet to be issued, the Annual Fixed Costs as per the latest approved Tariff Orders has been considered. The energy charges have been projected for FY 2017-18 considering the actual billing rates in FY 2016-17. For the generating stations contracted through tariff based competitive bidding, the tariffs have been considered as per the approved PPAs. For new generating stations expected to be commissioned in FY 2017-18, the tariffs have been provisionally considered based on the information furnished by the respective generating stations.

Commission's Analysis and Ruling

3.5.2 **TSGENCO & APGENCO – thermal generating stations:** The AFC for the thermal generating stations of TSGENCO and APGENCO for FY 2017-18 have been considered as per the MYT Orders issued by the Commission and the Hon'ble APERC respectively for the Control Period from FY 2014-15 to FY 2018-19. The variable charges for APGENCO stations have been considered as per the variable charges considered by the Hon'ble APERC in its Retail Supply Tariff Order for FY 2017-18. The variable charges for TSGENCO stations have been estimated considering the latest fuel prices and norms of operation for the respective generating stations. The cost of power procurement from the thermal generating stations of TSGENCO and APGENCO approved by the Commission is tabulated below:

Table 18: Power procurement cost from thermal generating stations of TSGENCO and APGENCO for FY 2017-18

S. No.	Name of the Station	Claimed				Approved			
		Quantum (MU)	Fixed Cost (INR Crore)	Variable Charges (INR Crore)	Total (INR Crore)	Quantum (MU)	Fixed Cost (INR Crore)	Variable Charges (INR Crore)	Total (INR Crore)
A	Thermal-APGenco								
1	VTPS I	944.45	362.94	307.89	670.83	607.25	60.49	157.28	217.77
2	VTPS II								
3	VTPS III								
4	VTPS IV	993.07	246.09	296.93	543.02	364.31	41.01	85.25	126.26
5	RTPP I	127.85	146.27	46.41	192.68	197.86	24.38	60.35	84.73
6	RTPP II	662.08	223.29	211.87	435.16	207.58	37.22	63.31	100.53
7	RTPP III	88.11	149.23	31.99	181.22	103.36	24.87	31.52	56.39
	Sub-total	2815.56	1127.82	895.08	2022.90	1480.37	187.97	397.71	585.68
B	Thermal-TSGenco								
1	KTPS A	2455.40	302.44	613.85	916.29	3379.20	515.37	699.50	1214.87
2	KTPS B								
3	KTPS C								
4	KTPS V	1718.36	168.13	372.88	541.01	2734.05	252.62	524.94	777.56
5	KTPS VI	1746.68	304.21	436.67	740.88	1579.71	483.27	387.03	870.30
6	RTS B	38.05	27.51	12.90	40.40	214.54	47.63	50.63	98.26
7	Kakatiya TPP Stage I	1746.68	304.09	436.67	740.76	1242.83	499.63	316.92	816.55
8	Kakatiya TPP Stage II	3889.44	1058.95	972.36	2031.31	2928.43	772.51	723.32	1495.83
	Sub-total	11594.61	2165.33	2845.33	5010.66	12078.77	2571.04	2702.34	5273.37
	Total Thermal	14410.17	3293.15	3740.41	7033.56	13559.14	2759.01	3100.05	5859.06

3.5.3 **Hydel generating stations (TSGENCO and interstate):** The AFC of hydel generating stations of TSGENCO for FY 2017-18 has been considered as per the MYT Order issued by the Commission for the Control Period from FY 2014-15 to FY 2018-19. For the interstate projects, the Commission has considered the AFC for FY

2017-18 as per the filings. The cost of power procurement from hydel generating stations approved by the Commission is tabulated below:

Table 19: Power procurement cost from hydel generating stations for FY 2017-18

S. No.	Name of the Station	Claimed		Approved	
		Quantum (MU)	Fixed Cost (INR Crores)	Quantum (MU)	Fixed Cost (INR Crores)
Hydel-Inter State					
1	Machkund PH	60.33	16.53	230.11	16.53
2	Tungabharda PH	26.74	11.33	64.98	11.33
3	Priyadarshini Jurala HEP	64.18	63.96	95.63	59.74
	Sub-total	151.25	91.82	390.72	87.60
Hydel-TSGenco					
1	Nagarjunasagar HES	493.43	241.93	629.55	143.02
2	Nagarjunasagar Left Canal PH	22.67	17.80	34.54	
3	Srisailam Left Bank HES	472.40	481.37	916.93	453.55
4	Lower Jurala HEP	46.31	395.23	40.37	292.28
5	Pulichintala	151.73	130.65	72.14	71.00
6	Pochampad PH	24.84	45.63	40.17	40.57
7	Nizamsagar HES	8.59		4.29	
8	Singur HES	8.87		4.44	
9	Paleru	19.91	9.05	19.91	6.78
10	Peddapalli MHS				
	Sub-total	1248.75	1321.66	1762.34	1007.20
	Total Hydel	1400.00	1413.48	2153.07	1094.80

3.5.4 **Central Sector Generating Stations (NTPC and NPCIL):** The AFC has been considered based on the CERC Tariff Orders for the respective generating stations for FY 2017-18. The energy charges have been considered based on the actual billing rates in FY 2016-17. The cost of power procurement from Central Sector Generating Stations approved by the Commission is tabulated below:

Table 20: Power procurement cost from Central Sector Generating Stations for FY 2017-18

Name of the Station	Claimed				Approved			
	Quantum (MU)	Fixed Cost (INR Crore)	Variable Charges (INR Crore)	Total (INR Crore)	Quantum (MU)	Fixed Cost (INR Crore)	Variable Charges (INR Crore)	Total (INR Crore)
NTPC Ramagundam Stage I & II	2493.15	138.15	515.58	653.73	2419.59	169.88	526.66	696.54
NTPC Ramagundam Stage III	629.50	57.19	127.85	185.04	552.30	45.21	120.98	166.19
NTPC Talcher TPS II	1586.04	109.86	235.87	345.73	1696.76	108.35	288.77	397.13
NTPC Simhadri Stage I	3606.03	340.14	979.04	1319.18	3582.99	348.13	779.89	1128.02
NTPC Simhadri Stage II	1301.36	260.56	355.53	616.09	1284.45	233.74	281.35	515.09
NLC TPS II Stage I	51.18	24.65	17.74	42.39	239.64	24.20	62.40	86.60
NLC TPS II Stage II	18.74	59.86	7.03	66.89	438.73	42.39	114.25	156.64
NPC MAPS	137.65		29.08	29.08	134.81		33.94	33.94
NPC Kaiga Units 1 & 2	460.96		144.39	144.39	470.86		147.25	147.25
NPC Kaiga Units 3 & 4	460.96		144.39	144.39	500.21		156.30	156.30
NTECL Vallur TPS	754.54	107.74	157.01	264.75	176.78	107.74	44.11	151.85
NLC TamilNadu Power Ltd.	1058.97	157.56	245.15	402.71	220.37	157.56	56.95	214.51
Bundled Power (Coal)	336.41	0.00	98.61	98.61	*	*	*	*
New Generating Stations								
NTPC Kudgi Unit 1	1026.52	237.13	194.01	431.14	536.43	120.52	101.38	221.90
NTPC Kudgi Unit 2					319.62	71.81	60.41	132.22
NTPC Kudgi Unit 3					88.95	19.98	16.81	36.80
Total	13922.01	1492.84	3251.29	4744.13	12662.48	1449.52	2791.45	4240.98

*included in the respective generating station

3.5.5 **APGPCL:** The AFC has been considered as per the filings. The energy charges have been considered based on the actual billing rates in FY 2016-17. The cost of power procurement from AGRPCL approved by the Commission for FY 2017-18 is tabulated below:

Table 21: Power procurement cost from AGRPCL for FY 2017-18

S. No.	Name of the Station	Claimed				Approved			
		Quantum (MU)	Fixed Cost (INR Crore)	Variable Charges (INR Crore)	Total (INR Crore)	Quantum (MU)	Fixed Cost (INR Crore)	Variable Charges (INR Crore)	Total (INR Crore)
1	APGPCL I	19.99	0.75	4.66	5.41	13.69	0.75	2.04	2.79
2	APGPCL II	71.53	3.04	14.88	17.92	47.94	3.04	11.25	14.29
	Total	91.52	3.79	19.54	23.33	61.62	3.79	13.28	17.07

3.5.6 Other long term sources:

- (i) The tariffs of power procurement from TPCIL Unit 1 and TPCIL Unit 2 have been considered based on the approved PPAs.
- (ii) The tariff of SCCL TPP has been considered as per the Commission's Order dated 19.06.2017 on approval of generation tariff for the period from FY 2016-17 to FY 2018-19.
- (iii) The tariff of power procurement under CSPDCL PPA has been considered based on the tariff approved by Hon'ble CSERC for FY 2017-18.

3.5.7 The cost of power procurement from other long term sources approved by the Commission for FY 2017-18 is tabulated below:

Table 22: Power procurement cost from other long term sources for FY 2017-18

S. No.	Name of the Station	Claimed				Approved			
		Quantum (MU)	Fixed Cost (INR Crore)	Variable Charges (INR Crore)	Total (INR Crore)	Quantum (MU)	Fixed Cost (INR Crore)	Variable Charges (INR Crore)	Total (INR Crore)
1	TPCIL (Long Term 1)	1875.91	357.13	354.55	711.67	1893.47	360.47	357.87	718.33
2	TPCIL (Long Term 2)	3968.35	1003.99	722.24	1726.23	4005.48	1013.39	729.00	1742.39
3	SCCL TPP	7778.88	1672.46	1400.20	3072.66	8421.43	1468.58	1423.22	2891.80
4	CSPDCL	6482.40	1750.25	777.89	2528.14	5286.48	1402.51	634.38	2036.89
	Total	20105.54	4783.82	3254.87	8038.70	19606.86	4244.94	3144.46	7389.41

3.5.8 **Non-Conventional Energy Sources:** The tariffs applicable for the respective non-conventional energy source has been considered.

Table 23: Power procurement cost from NCE sources

S. No.	Source	Claimed						Approved					
		SPDCL		NPDCL		Total		SPDCL		NPDCL		Total	
		MU	INR Crore	MU	INR Crore	MU	INR Crore	MU	INR Crore	MU	INR Crore	MU	INR Crore
1	Biomass	56.52	33.10	95.22	55.76	151.74	184.84	56.52	33.51	95.22	56.46	151.74	89.98
2	Bagasse	0.40	0.17	1.57	0.66	1.97	0.83	0.40	0.16	1.57	0.62	1.97	0.78
3	Municipal waste	64.57	46.68	61.50	44.46	126.07	91.14	64.57	45.91	61.50	43.72	126.07	89.63
4	Industrial waste	5.52	3.32	0.00	0.00	5.52	3.32	5.52	3.34	0.00	0.00	5.52	3.34
5	Wind	397.75	186.94	0.00	0.00	397.95	186.94	397.75	186.94	0.00	0.00	397.75	186.94
6	Solar	2745.87	1618.53	1397.89	822.61	4143.76	2441.14	2540.38	1526.99	978.80	556.96	3519.18	2083.95
	Total	3270.63	1888.74	1556.18	923.49	4827.01	2908.21	3065.14	1796.85	1137.09	657.77	4202.22	2454.62

3.5.9 The monthly merit order dispatch approved by the Commission is enclosed at Annexure 7.

3.6 DISCOM WISE ALLOCATION OF ENERGY

3.6.1 The Commission considered the share of SPDCL as 70.55% and NPDCL as 29.45% of the total energy dispatched, based on the energy dispatched as per merit order.

3.7 DISCOM TO DISCOM (D-D) ENERGY TRANSFER AND D-D COST ADJUSTMENT

3.7.1 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 utilised by another Licensee (DISCOM-to-DISCOM energy transfers). In the merit order process, the station wise energy of one Licensee is transferred to the 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.

3.8 ADDITIONAL INTEREST ON PENSION BONDS

3.8.1 The DISCOMs have claimed the amount of INR 355.67 Crore towards the additional interest on pension bonds. The DISCOMs submitted that this amount pertains to the share of TSDISCOMs in the total liability of TSGENCO for FY 2017-18.

Commission's Analysis and Ruling

3.8.2 The Commission vide its Order dated 05.06.2017 on approval of MYT for TSGENCO for the Control Period from FY 2014-15 to FY 2018-19 has approved the additional interest on pension bonds for TSGENCO as INR 624.15 Crore for FY 2017-18. Hon'ble APERC vide its Order dated 26.03.2016 on approval of MYT for APGENCO for the Control Period from FY 2014-15 to FY 2018-19 has approved the additional interest on pension bonds for APGENCO as INR 757.95 Crore for FY 2017-18. The Commission has considered the share of TSDISCOMs i.e., 53.89% of the amount pertaining to APGENCO and TSGENCO for FY 2017-18 upto 10.06.2017. From 11.06.2017, the Commission has considered the share of TSDISCOMs as 100% of the amount pertaining to TSGENCO. Accordingly, the Commission has approved the amount of INR 636.27 Crore towards additional interest on pension bonds, for FY 2017-18.

3.9 POWER PURCHASE COST

3.9.1 Based on the above, the power purchase cost approved by the Commission for FY

2017-18 is as is tabulated below:

Table 24: Power purchase cost for both the DISCOMs for FY 2017-18

S. No.	Name of the Station	Claimed				Approved			
		Quantum (MU)	Fixed Cost (INR Crore)	Variable Charges (INR Crore)	Total (INR Crore)	Quantum (MU)	Fixed Cost (INR Crore)	Variable Charges (INR Crore)	Total (INR Crore)
1	TS Genco & AP Genco-Thermal	14410.17	3293.15	3740.58	7033.73	13559.14	2759.01	3100.05	5859.06
2	TS Genco-Hydel	1400.00	1413.48	0.00	1413.48	2153.07	1094.80	0.00	1094.80
3	Interest on Pension Bonds		355.67		355.67		636.27		636.27
4	CSGS	13922.01	1492.84	3251.29	4744.13	12662.48	1449.52	2791.45	4240.98
5	APGPCL	91.52	3.79	19.52	23.31	61.62	3.79	13.28	17.07
6	Other Long Term Sources	20105.54	4783.82	3254.87	8038.70	19606.86	4244.94	3144.46	7389.41
7	NCS	4826.80	68.10	2744.12	2812.23	4202.22	24.20	2430.42	2454.62
8	D-D Purchase	63.33	0.00	39.28	39.28	301.36	0.00	126.33	126.33
9	D-D Sale	-63.33	0.00	-39.28	-39.28	-301.36	0.00	-126.33	-126.33
	Total	54756.05	11410.85	13010.40	24421.25	52245.39	10212.53	11479.67	21692.20

Table 25: Power purchase cost for SPDCL for FY 2017-18

S. No.	Name of the Station	Claimed				Approved			
		Quantum (MU)	Fixed Cost (INR Crore)	Variable Charges (INR Crore)	Total (INR Crore)	Quantum (MU)	Fixed Cost (INR Crore)	Variable Charges (INR Crore)	Total (INR Crore)
1	TS Genco & AP Genco-Thermal	10166.54	2323.35	2639.02	4962.38	9565.97	1946.48	2187.09	4133.56
2	TS Genco-Hydel	987.72	997.23		997.23	1518.99	772.38	0.00	772.38
3	Interest on Pension Bonds		250.93		250.93		448.89		448.89
4	CSGS	9822.14	1053.21	2293.82	3347.04	8933.38	1022.64	1969.37	2992.01
5	APGPCL	64.57	2.67	13.77	16.45	43.48	2.67	9.37	12.05
6	Other Long Term Sources	14184.68	3375.04	2296.35	5671.39	13832.64	2994.81	2218.42	5213.23
7	NCS	3270.63	32.82	1855.92	1888.74	3065.14	9.54	1787.31	1796.85
8	D-D Purchase				0.00	0.00		0.00	0.00
9	D-D Sale	-63.33		-39.28	-39.28	-301.36		-126.33	-126.33
	Total	38432.94	8035.26	9059.61	17094.87	36658.23	7197.41	8045.22	15242.63

Table 26: Power purchase cost of NPDCL for FY 2017-18

S. No.	Name of the Station	Claimed				Approved			
		Quantum (MU)	Fixed Cost (INR Crore)	Variable Charges (INR Crore)	Total (INR Crore)	Quantum (MU)	Fixed Cost (INR Crore)	Variable Charges (INR Crore)	Total (INR Crore)
1	TS Genco & AP Genco-Thermal	4243.63	969.80	1101.56	2071.36	3993.17	812.53	912.96	1725.49
2	TS Genco-Hydel	412.28	416.25		416.25	634.08	322.42	0.00	322.42
3	Interest on Pension Bonds		104.74		104.74		187.38		187.38
4	CSGS	4099.88	439.62	957.47	1397.09	3729.10	426.89	822.08	1248.97
5	IPPs	0.00	0.00	0.00	0.00	0.00			0.00
6	APGPCL	26.95	1.12	5.75	6.87	18.15	1.12	3.91	5.03
7	Other Long Term Sources	5920.86	1408.78	958.52	2367.31	5774.22	1250.14	926.04	2176.18
8	NCS	1556.18	35.28	888.21	923.49	1137.09	14.66	643.11	657.77
9	D-D Purchase	63.33		39.28	39.28	301.36		126.33	126.33
10	D-D Sale				0.00	0.00		0.00	0.00
11	Sale of Surplus Power				0.00	0.00			0.00
	Total	16323.11	3375.59	3950.79	7326.38	15587.16	3015.12	3434.45	6449.57

3.10 DISTRIBUTION COST

3.10.1 The DISCOMs have claimed the distribution cost for FY 2017-18 which is as approved by the Commission in the Distribution and Wheeling Tariff Order dated 27.03.2015. Accordingly the distribution cost of INR 2262.91 Crore and INR 1632.93 Crore has been claimed by SPDCL and NPDCL respectively.

Commission's Analysis and Ruling

3.10.2 The Commission has considered the distribution cost of INR 2262.91 Crore and INR 1632.93 Crore for SPDCL and NPDCL respectively for FY 2017-18 as approved in MYT Order dated 27.03.2015.

3.11 TRANSMISSION COST

3.11.1 The DISCOMs have claimed the transmission cost considering the Transmission Tariff approved by the erstwhile APERC for FY 2017-18 vide its MYT Order dated 09.04.2014. Accordingly the Transmission Cost has been claimed as INR 1131.43 Crore and INR 472.27 Crore for SPDCL and NPDCL respectively.

Commission's Analysis and Ruling

3.11.2 The Commission vide its MYT Order dated 01.05.2017 approved the Transmission Tariff for TSTRANSCO for FY 2017-18. Considering the same, the Commission has approved the transmission cost of INR 659.26 Crore and INR 312.12 Crore for SPDCL and NPDCL respectively.

3.12 PGCIL & POSOCO CHARGES

3.12.1 The DISCOMs have claimed the PGCIL & POSOCO charges for FY 2017-18 considering the actual billing rates for first 6 months of FY 2016-17. Accordingly, the PGCIL & POSOCO charges have been claimed as INR 925.81 Crore and INR 375.81 Crore for SPDCL and NPDCL respectively.

Commission's Analysis and Ruling

3.12.2 The Commission has approved the PGCIL & POSOCO charges for FY 2017-18 considering the long term contracted capacity outside the Telangana State and the latest applicable PoC Charges. Accordingly, the Commission has approved the PGCIL & POSOCO charges of INR 835.05 Crore and INR 338.97 Crore for SPDCL and NPDCL respectively.

3.13 SLDC CHARGES

3.13.1 The DISCOMs have claimed the SLDC charges considering the SLDC charges approved by the erstwhile APERC for FY 2017-18 vide its MYT Order dated 09.04.2014. Accordingly the SLDC charges have been claimed as INR 31.24 Crore and INR 13.04 Crore for SPDCL and NPDCL respectively.

Commission's Analysis and Ruling

3.13.2 The Commission has considered the SLDC charges of INR 20.18 Crores and INR 9.56 Crores for SPDCL and NPDCL respectively for FY 2017-18 as approved in MYT Order dated 20.06.2017.

3.14 INTEREST ON CONSUMER SECURITY DEPOSIT

3.14.1 The DISCOMs have claimed the interest on consumer security deposit considering the provisions of the Regulation No. 6 of 2004. Accordingly, the interest on consumer security deposit has been claimed as INR 173.77 Crores and INR 46.52 Crores for SPDCL and NPDCL respectively.

Commission's Analysis and Ruling

3.14.2 Pursuant to the Regulations notified by the erstwhile APERC, adopted by the Commission, the interest on consumer security deposit has been approved considering the current interest rate of 6.50% as notified by the Reserve Bank of India. The interest is calculated on the average balance of the consumer security deposit as estimated by the Commission for FY 2017-18. Accordingly, the Commission has approved the interest on consumer security deposit as INR 162.76 Crore and INR 43.66 Crore for SPDCL and NPDCL respectively.

3.15 SUPPLY MARGIN

3.15.1 The DISCOMs have claimed the supply margin for FY 2017-18 considering the 2% of equity portion of the approved regulatory rate base as approved by the Commission for FY 2017-18 in the MYT Order dated 27.03.2015. Accordingly, the supply margin has been claimed as INR 24.40 Crore and INR 13.14 Crore for SPDCL and NPDCL respectively.

Commission's Analysis and Ruling

3.15.2 The Commission after analysing the submissions of the DISCOMs has approved the supply margin as claimed by the DISCOMs. Accordingly, the Commission has approved the supply margin of INR 24.40 Crores and INR 13.14 Crores for SPDCL and NPDCL respectively.

3.16 OTHER CHARGES

3.16.1 NPDCL has claimed an amount of INR 5.75 Crores for FY 2017-18 towards the reactive power charges payable to Southern Grid, wheeling charges payable to other States and assets maintenance charges of SRPC based on the actual charges incurred in FY 2015-16.

Commission's Analysis and Ruling

3.16.2 After examining the payments by NPDCL towards wheeling and reactive charges for FY 2015-16, the Commission has approved an amount of INR 5.75 Crores as claimed by NPDCL for FY 2017-18.

3.17 AGGREGATE REVENUE REQUIREMENT (ARR)

3.17.1 Based on the above, the ARR approved by the Commission for FY 2017-18 is tabulated below:

Table 27: Aggregate Revenue Requirement for FY 2017-18 (INR Crore)

Particulars	Claimed			Approved		
	SPDCL	NPDCL	Total	SPDCL	NPDCL	Total
Power Purchase Cost	17095.00	7326.43	24421.43	15242.63	6449.57	21692.20
Distribution Cost	2662.91	1632.93	4295.84	2662.91	1632.93	4295.84
Transmission Cost	1131.43	472.27	1603.70	659.26	312.12	971.39
PGCIL & POSOCO Charges	925.81	375.81	1301.62	835.05	338.97	1174.02
SLDC Charges	31.24	13.04	44.28	20.19	9.56	29.74
Interest on Consumer Security Deposit	173.77	46.52	220.29	162.76	43.66	206.42
Supply Margin	24.40	13.14	37.54	24.40	13.14	37.54
Other charges	0.00	5.75	5.75	0.00	5.75	5.75
Aggregate Revenue Requirement	22044.56	9885.89	31930.45	19607.21	8805.70	28412.91

3.18 SAVINGS DUE TO UDAY SCHEME

Commission's Analysis and Ruling

3.18.1 The Government of India, Government of Telangana State and the Licensees have entered into a Tripartite MoU (UDAY MoU) dated 04.01.2017 in order to improve the operational and financial efficiency of the Licensees to enable their financial turnaround. Under the said scheme, the Government of Telangana State is to take over 75% of the outstanding debt of the Licensees as on 30.09.2015 by the end of FY 2016-17. The Commission directed the Licensees to submit the savings on their distribution businesses upon implementation of UDAY. In reply, the Licensees have submitted that the savings is to the tune of INR 610 Crores and INR 258 Crores for SPDCL and NPDCL respectively on account of reduction in depreciation and interest cost. Based on the information submitted by the Licensees and the prudence check carried out, the Commission has computed the savings as INR 743.88 Crores and INR 372.54 Crores for SPDCL and NPDCL respectively.

3.19 NET REVENUE REQUIREMENT FOR FY 2017-18

3.19.1 The net revenue requirement for FY 2017-18 is as shown in the Table below:

Table 28: Net Revenue Requirement for FY 2017-18 (INR Crores)

Particulars	Claimed			Approved		
	SPDCL	NPDCL	Total	SPDCL	NPDCL	Total
ARR	22044.56	9885.92	31930.48	19607.21	8805.70	28412.91
Less: Savings due to UDAY Scheme	610.00	258.00	868.00	743.88	372.54	1116.42
Net Revenue Requirement	21434.56	9627.92	31062.48	18863.32	8433.16	27296.48

CHAPTER 4 – COST OF SERVICE FOR FY 2017-18

4.1 COST OF SERVICE

4.1.1 The DISCOMs have computed the Cost of Service (CoS) for each category based on embedded cost methodology. The CoS has been determined based on the average of morning and evening peaks. They have also utilised the Class Load Factor and Maximum Coincident factor peak demand for each category to arrive at the CoS.

Commission's Analysis and Ruling

4.1.2 The Commission has adopted the embedded cost methodology to determine the Category wise CoS for each category. The Commission has considered only the evening peak demand, since it is a natural peak demand. The Commission has prudently analysed the class load factors and maximum coincident demand factors furnished by the Licensees. According to this methodology, all the cost components of the Aggregate Revenue Requirement as determined by the Commission for TSSPDCL and TSNPDCL have been allocated to the existing consumer categories to determine their respective CoS.

4.1.3 The costs are functionalised under the heads of generation, transmission, distribution and retail supply. Post functionalisation, the costs based on their nature are classified as demand and energy cost components. The demand related costs include the fixed cost of power procurement, distribution cost, transmission cost (interstate and intrastate), and load dispatch charges. The energy related costs include the variable cost of power procurement, interest on consumer security deposit, supply margin and other costs of Retail Supply Business.

4.1.4 These categories of costs are allocated to individual consumer categories based on the specific allocation factor computed considering the category wise approved sales, connected load / contracted demand, class load factor, non-coincident demand of coincident factor to peak demand and voltage wise assets & losses (commercial and technical).

4.1.5 After allocation of all cost components to the individual consumer categories, per unit CoS is arrived at by dividing cost by the approved sales for the respective category. The CoS thus computed differs from one consumer category to other on account of factors mentioned in the above paragraphs.

4.1.6 The cost of service thus worked out for each consumer category has been used to determine the tariff and cross subsidy required to recover the approved ARR for FY 2017-18 in respect of each Licensee. The CoS computed for each consumer category is tabulated below:

Table 29: Cost of Service for FY 2017-18 (INR/kWh)

Consumer Category		Claimed			Approved		
		SPDCL	NPDCL	State	SPDCL	NPDCL	State
LT Categories							
LT I (A&B)	Domestic	7.29	7.92	7.48	7.05	7.98	7.32
LT II (A, B & C)	Non-Domestic/Commercial	7.43	7.69	7.49	7.08	8.70	7.43
LT III (A&B)	Industrial	7.55	7.16	7.46	6.27	7.33	6.51
LT IV (A&B)	Cottage Industries & Dhobighats	6.41	7.48	6.83	6.35	7.42	6.83
LT V (A, B & C)	Irrigation & Agriculture	7.01	7.18	7.08	4.99	5.39	5.15
LT VI (A&B)	Local Bodies, Street Lighting & PWS	6.50	7.81	6.87	7.09	9.09	7.66
LT VII (A&B)	General Purpose	6.68	7.87	7.17	7.37	9.06	8.04
LT VIII (A&B)	Temporary Supply	6.57	NA	6.57	7.80	NA	7.80
HT Categories							
HT I	Industry Segregated						
	11 kV	6.70	7.52	6.83	6.33	6.84	6.40
	33 kV	5.62	6.10	5.64	4.96	5.61	4.99
	132 kV	5.28	5.79	5.40	4.82	5.15	4.90
HT I(B)	Ferro Alloys						
	11 kV	NA	NA	NA	NA	NA	NA
	33 kV	NA	NA	NA	NA	NA	NA
	132 kV	4.81	NA	4.81	4.24	NA	4.24
HT II	Others						
	11 kV	6.60	6.90	6.62	6.75	6.36	6.72
	33 kV	6.15	7.90	6.18	6.05	6.84	6.08
	132 kV	5.99	23.97	6.84	5.22	9.59	5.41
HT III	Airports, Railways and Bus Stations						
	11 kV	6.65	-	6.65	6.92	9.08	8.20
	33 kV	NA	NA	NA	NA	NA	NA
	132 kV	4.83	NA	4.83	4.65	NA	4.65
HT IV(A&B)	Lift Irrigation & Agriculture						

Consumer Category		Claimed			Approved		
	11 kV	6.26	8.70	7.88	5.85	6.59	6.28
	33 kV	6.42	5.57	5.63	4.78	6.00	5.66
	132 kV	6.37	6.37	6.37	4.41	5.75	5.12
HT V(A)	Railway Traction	6.43	6.10	6.19	4.78	4.82	4.81
HT V(B)	HMR	8.11	NA	8.11	-	-	-
HT VI	Townships and Residential Colonies						
	11 kV	6.18	6.43	6.21	7.14	7.18	7.15
	33 kV	6.46	5.92	6.19	6.45	4.87	5.64
	132 kV	NA	5.30	5.30	NA	4.83	4.83
HT	Temporary Supply	7.06	NA	7.06	5.60	NA	5.60
HT	RESCOs	NA	5.57	5.57	NA	4.53	4.53
Total		6.71	7.13	6.83	5.94	6.31	6.05

4.1.7 Considering the ARR and sales approved by the Commission for FY 2017-18, the Average Cost of Supply for TSSPDCL and TSNPDCL is INR 5.94/kWh and INR 6.31/kWh respectively. The combined Average Cost of Supply for both DISCOMs for FY 2017-18 works out to INR 6.05/kWh as compared to INR 5.94/kWh for FY 2016-17.

4.1.8 The computations of Cost of Service for FY 2017-18 are enclosed at Annexures 8 to 10.

CHAPTER 5 -TRUE UP FOR FY 2015-16 & PROVISIONAL TRUE UP FOR FY 2016-17

5.1 REGULATORY PROVISIONS

5.1.1 The APERC Regulation No. 1 of 2014, adopted by the Commission, stipulates as under:

“12.5 True-up of Retail Supply Business

a. The Distribution Licensee shall include the power purchase cost variation over the previous year Power Purchase cost in the Tariff Order as expense (in the event of incurring excess cost)/rebate (in case of cost saving) in the ARR as special item with relevant details. To arrive the power purchase cost variation, the least of the following power purchase quantity is to be considered:

*i) Actual power purchase quantity procured by the Discoms for its consumers.
ii) Power purchase quantity computed based on actual sales except LT Agriculture sales. LT Agricultural sales will be limited to Tariff Order quantity. These aggregated sales will be grossed up with approved losses for the relevant year in the MYT orders.*

b. Since the complete information of cost actually incurred relating to previous year will not be available at the time of filing of ARR for a particular tariff year, the Licensee may include provisional cost variation for the previous year in ARR filings which will be subject to final correction by the Commission as and when final accounts for that year become available.

c. The Licensees shall also include in the ARR the amounts to be collected on final basis being the difference between the cost incurred based on audited annual accounts report and costs provisionally approved by the Commission in the Tariff Order for the year immediately preceding the previous year.

.....”

5.1.2 The Commission has carried out the true-up for FY 2015-16 and provisional true-up for FY 2016-17 in accordance with the above stated Regulation.

5.2 TRUE-UP FOR FY 2015-16

5.2.1 The Commission directed the DISCOMs to submit the following information for carrying out the true-up for FY 2015-16.

- (i) Actual consumer category wise sales for FY 2016-17.
- (ii) Actual power purchase quantum and corresponding cost (unaudited) for FY 2016-17.

(iii) Actual voltage wise distribution losses in FY 2016-17.

- 5.2.2 The Commission in its Tariff Order has approved the sales of 30019.45 MU and 11582.61 MU for SPDCL and NPDCL respectively for FY 2015-16. As against the same, the DISCOMs have claimed the actual sales of 29083.94 MU and 11565.68 MU for SPDCL and NPDCL respectively. The Commission has considered the actual monthly sales for all the consumer categories except LT V (Agriculture). For LT V (Agriculture), the Commission has considered the lower of the actual and approved sales for each month. Accordingly, the Commission has approved the sales of 28401.57 MU and 10908.55 MU for SPDCL and NPDCL respectively in the true up for FY 2015-16. The consumer category wise sales approved by the Commission in the true up for FY 2015-16 are enclosed at Annexure 11.
- 5.2.3 The Commission in its Tariff Order dated 27.03.2015 for FY 2015-16 has approved the power purchase cost of INR 13542.82 Crores and INR 5309.30 MU for SPDCL and NPDCL respectively. As against the same, the DISCOMs have claimed the actual power purchase cost of INR 14728.94 Crores and INR 6206.40 Crores for SPDCL and NPDCL respectively.
- 5.2.4 Considering the approved monthly energy requirement and the monthly energy availability, the Commission has carried out the monthly merit order dispatch to meet the energy requirement. In the months of deficit energy, the market purchases have been considered to meet the shortfall. The cost of power procurement has been considered based on the actual procurement cost for the respective generating stations, limiting the same to the actual energy purchase approved.
- 5.2.5 Accordingly, the Commission has approved the power purchase cost of INR 14551.99 Crores and INR 5520.36 Crores for SPDCL and NPDCL respectively in the true up for FY 2015-16. Accordingly, the Commission has approved the power purchase cost variation of INR 1009.17 Crores and INR 211.06 Crores for SPDCL and NPDCL respectively.
- 5.2.6 The Government of India, Government of Telangana State and the DISCOMs have entered into a Tripartite MoU (UDAY MoU) dated 02.01.2017 in order to improve the operational and financial efficiency of the TSDISCOMs and thereby enable their financial turnaround. Under the said scheme, the Government of Telangana State is to take over 75% of the outstanding debt of the DISCOMs as on 30.09.2015 by the end of FY 2016-17. The Commission directed the DISCOMs to submit the savings due to UDAY Scheme on their Retail Supply businesses. The DISCOMs have not substantiated the same. Hence, the Commission finds it prudent to approve 50% of the

total power purchase cost variation approved for FY 2015-16, to be recovered from the consumers. The power purchase cost variation approved by the Commission for FY 2015-16 is as shown in the Table below:

Table 30: Power Purchase Cost variation for FY 2015-16 (INR Crore)

Particulars	Claimed			Approved		
	SPDCL	NPDCL	Total	SPDCL	NPDCL	Total
Power Purchase Cost approved in the Tariff Order	13542.02	5308.97	18850.99	13542.02	5308.97	18850.99
Trued-up Power Purchase Cost	14728.94	6206.40	20935.34	14551.19	5520.03	20071.22
(Gap)/Surplus	(1186.92)	(897.44)	(2084.36)	(1009.17)	(211.06)	(1220.23)
To be recovered from consumers	(1186.92)	(897.44)	(2084.36)	(504.58)	(105.53)	(610.11)

5.2.7 Accordingly, the Commission has approved the gap of INR 504.58 Crores and INR 105.53 Crores for SPDCL and NPDCL respectively for FY 2015-16.

5.2.8 The source wise power purchase cost approved by the Commission in the true up for FY 2015-16 is enclosed at Annexures 12 & 13.

5.3 PROVISIONAL TRUE UP FOR FY 2016-17

5.3.1 The Commission has sought the following information from the DISCOMs for carrying out the provisional true up for FY 2016-17:

- (i) Actual consumer category wise sales for FY 2016-17.
- (ii) Actual power purchase quantum and corresponding cost (unaudited) for FY 2016-17.
- (iii) Actual voltage wise distribution losses in FY 2016-17.

5.3.2 The methodology adopted by the Commission is detailed in the paragraphs below.

5.3.3 The Commission has approved the sales of 32579.38 MU and 12358.26 MU for SPDCL and NPDCL respectively for FY 2016-17. As against the same, the DISCOMs have claimed the actual sales of 30844.16 MU and 13027.78 MU for SPDCL and NPDCL respectively. The Commission has considered the actual monthly sales for all the consumer categories except LT V (Agriculture). For LT V (Agriculture), the Commission has considered the lower of the actual and approved sales for each month. Accordingly, the Commission has approved the sales of 28835.91 MU and 11683.49 MU for SPDCL and NPDCL respectively in the provisional true up for FY 2016-17. The consumer category wise sales approved by

the Commission in the provisional true up for FY 2016-17 are enclosed at Annexure 14.

5.3.4 The Commission in its Tariff Order dated 23.06.2016 for FY 2016-17 has approved the power purchase cost of INR 15059.50 Crores and INR 5537.41 MU for SPDCL and NPDCL respectively. As against the same, the DISCOMs have claimed the provisional power purchase cost of INR 14657.21 Crores and INR 5971.05 Crores for SPDCL and NPDCL respectively.

5.3.5 Considering the approved monthly energy requirement and the monthly energy availability, the Commission has carried out the monthly merit order dispatch to meet the energy requirement. In the months of deficit energy, the market purchases have been considered to meet the shortfall. The cost of power procurement has been considered based on the actual procurement cost for the respective generating stations, limiting the same to the actual energy purchase approved.

5.3.6 Accordingly, the Commission has approved the power purchase cost of INR 14091.95 Crores and INR 5666.50 Crores for SPDCL and NPDCL respectively in the provisional true up for FY 2016-17. The provisional power purchase cost variation approved by the Commission for FY 2016-17 is as tabulated below:

Table 31: Provisional Power Purchase Cost variation for FY 2016-17 (INR Crores)

Particulars	Claimed			Approved		
	SPDCL	NPDCL	Total	SPDCL	NPDCL	Total
Power Purchase Cost approved in the Tariff Order	15058.10	5535.67	20593.76	15058.10	5535.67	20593.76
Trued-up Power Purchase Cost	14657.21	5971.05	20628.26	14090.55	5664.76	19755.31
(Gap)/Surplus	400.89	(435.38)	34.49	967.55	(129.09)	838.46

5.3.7 Accordingly, the Commission has approved the surplus of INR 967.55 Crore and gap of INR 129.09 Crore for SPDCL and NPDCL respectively for FY 2016-17.

5.3.8 The source wise power purchase cost approved by the Commission in the provisional true up for FY 2016-17 is at Annexures 15 & 16.

CHAPTER 6 – TARIFF DESIGN

The Commission while determining the ARR and Retail Supply Tariffs for FY 2017-18 has been guided by the provisions of the Electricity Act, 2003, Revised Tariff Policy 2016 and Regulations of this Commission. This chapter deals with the changes proposed by the Licensees and consumers in the existing tariff structure and the Commission's rulings.

The DISCOMs have requested the Commission for retaining the tariffs as per the Tariff Order for FY 2016-17, for FY 2017-18. The DISCOMs have proposed few changes to the terms and conditions of tariff for certain consumer categories as listed below.

6.1 LT II: NON-DOMESTIC/COMMERCIAL

6.1.1 The existing terms and conditions for applicability of LT II(A) and LT II(B) consumer categories are as follows:

- 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.
- Educational institutions run by individuals, Non-Government Organizations or Private Trusts and their student hostels are also classified under this category.

6.1.2 **Licensee's proposal:** The DISCOMs have proposed the following terms and conditions for applicability of LT II(A) and LT II(B) consumer categories.

- 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, all servicing &

repairing centers, Bus Depots, laundries, dry cleaning units, gas/oil storage/transfer stations, warehouses, godowns, storage units (except for cold storages, which would be charged under LT III industries), etc.

- Educational institutions run by individuals, Non-Government Organizations or Private Trusts and their student hostels are also classified under this category.
- Cafeteria, Hotels, ATMs, Banks, Auditoriums and other amenities in Information Technology (IT) units identified and approved by the Consultative Committee on IT industry (CCITI) constituted by GoTS.

The Licensee proposed to include the following clause as tariff specific condition under this category.

“IT units availing Industrial Power tariff have to provide separate meters at each individual utilisation point other than the IT purpose as certified by the CCIT such as Cafeteria, Hotels, ATMs, Banks, Auditoriums and other amenities and these meters shall be sealed by the licensees. If the consumer doesn’t provide separate meters at each individual utilisation point other than the IT Purpose, the entire consumption of the IT Service will be billed under LT-II Non-Domestic/Commercial Category.”

6.1.3 **Commission’s Ruling:** The Commission after consideration of the representations received and the proposals of the DISCOMs has determined as follows:

- **Bus depots, servicing & repairing centres of Telangana State Road Transport Corporation (TSRTC):**
 - TSRTC provides road transport services for the State and is a public utility. The beneficiaries of TSRTC are people who predominantly belong to economically weaker sections of the society.
 - The bus depots and servicing and repairing centres of the TSRTC are an integral part of its core operations and hence not separable.

Hence, the Commission has not accepted the proposal to include the bus depots and servicing and repairing centres of TSRTC under this category and the existing tariff under LT-III shall continue to be applicable.

- a) **Information technology units:** The DISCOMs are directed to approach the Commission with details of revenue impact of the proposed change, an action plan for implementation of separate meters and the associated cost of such installation (the Licensee share and the consumer share), to be able to analyse the changes proposed. The existing tariffs under LT-III will continue to be

applicable for all premises of information technology units until further Orders of the Commission.

6.1.4 **Commission approved clause:** The terms and conditions for applicability of LT II(A) and LT II(B) consumer categories approved by the Commission in this Order are as follows:

- 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. For example, shops, business houses, offices, public buildings, hospitals, hostels, hotels, choultries, restaurants, clubs, theatres, cinema halls, bus stands and attached offices, railway stations, timber depots, photo studios, printing presses, all servicing & repairing centres (other than that of TSRTC), bus depots (other than that of TSRTC), laundries, dry cleaning units, gas/oil storage/transfer stations, warehouses, godowns (other than cold storage godowns), storage units or of such similar nature.
- Educational institutions run by individuals, Non-Government Organizations or Private Trusts including student hostels of such educational institutions.

6.2 **LT III: INDUSTRY**

6.2.1 The existing terms and conditions for applicability of LT III consumer category are as follows:

- 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, theatres, cinemas, bus stations, railway stations and other similar premises, notwithstanding any manufacturing, processing or preserving goods for sale.
- 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 and Drinking Water filtering plants using only Reverse Osmosis (RO) process.

- 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.
- The Information Technology (IT) units identified and approved by the Consultative Committee on IT Industry (CCITI) constituted by GoTS.
- Newspaper printing units.
- Poultry Farming Units.
- Pisciculture and Prawn culture units.
- Mushroom production units, Rabbit Farms, Sheep Farms and Goat Farms other than those coming under LT-IV with load exceeding 10 HP.
- Floriculture in Green Houses.
- Sugar cane crushing.

6.2.2 **Licensee's proposal:** The DISCOMs have proposed the following terms and conditions for applicability of LT III consumer category.

- 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, theatres, cinemas, bus stations, railway stations and other similar premises, notwithstanding any manufacturing, processing or preserving goods for sale.
- 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 and Drinking Water filtering plants using only Reverse Osmosis (RO) process.
- Workshops (involving activity of manufacturing), 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.
- The Information Technology (IT) units identified and approved by the Consultative Committee on IT Industry (CCITI) constituted by GoTS

excluding the consumption towards Cafeteria, Hotels, ATMs, Banks, Auditoriums and other amenities.

- Newspaper printing units.
- Poultry Farming Units.
- Pisciculture and Prawn culture units.
- Mushroom production units, Rabbit Farms, Sheep Farms and Goat Farms other than those coming under LT-IV with load exceeding 10 HP.
- Sugar cane crushing.

Further, the DISCOMs have proposed to add the following clause under the Metering and Load Conditions for LT III category:

- IT units availing Industrial Power tariff have to provide separate meters at each individual utilisation point other than the IT purpose as certified by the CCIT such as Cafeteria, Hotels, ATMs, Banks, Auditoriums and other amenities and these meters shall be sealed by the licensees. If the consumer does not provide separate meters at each individual utilization point other than IT purpose, the entire consumption of the IT service will be billed under LT-II Non-domestic/ Commercial category.

6.2.3 **Commission's Ruling:** The Commission after consideration of the representations received and the proposals of the Licensees has determined as follows:

Other premises of IT Units: The DISCOMs are directed to approach the Commission with details of revenue impact of the proposed change, an action plan for implementation of separate meters and the associated cost of such installation (the Licensee share and the consumer share), to be able to analyse the changes proposed. The existing tariffs under LT III will continue to be applicable for all premises of information technology units until further Orders of the Commission.

6.2.4 **Commission approved clause:** The terms and conditions for applicability of LT III consumer category approved by the Commission in this Order are as follows:

- 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,

theatres, cinemas, bus stations, railway stations and other similar premises, notwithstanding any manufacturing, processing or preserving goods for sale.

- 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 and Drinking Water filtering plants using only Reverse Osmosis (RO) process.
- Workshops (involving activity of manufacturing), bus depots of TSRTC, servicing and repairing centres of TSRTC, 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.
- The Information Technology (IT) units identified and approved by the Consultative Committee on IT Industry (CCITI) constituted by GoTS.
- Newspaper printing units.
- Poultry Farming Units.
- Pisciculture and Prawn culture units.
- Mushroom production units, Rabbit Farms, Sheep Farms and Goat Farms other than those coming under LT-IV with load exceeding 10 HP.
- Sugar cane crushing.

6.3 LT V: AGRICULTURE

6.3.1 Licensee's proposal: The DISCOMs have proposed the following changes in the terms and conditions for LT V consumer category.

- To make DSM measures mandatory for LT V consumers.
- To provide free power to all farmers (excluding Corporate Farmers) without any restriction on number of connections or acreage.
- To include cultivation in poly-houses/greenhouses under LT V category.
- To include the definition of Corporate Farmers as “The Companies/Corporate Owners who carry out Agricultural production on large scale in the lands owned by them or on the basis of agreement between the individual farmers and the companies”.

Commission's Ruling

6.3.2 **Mandatory DSM measures:** The Commission has accepted the proposal of the DISCOMs and has removed the category LT V(B). All consumers for whom this category is applicable are now included under LT V. The relevant details have been covered in the terms and conditions of the Tariff Schedule.

6.3.3 **Poly-houses/green-houses:** The Commission in consideration of representations received and raised at the Public Hearings has accepted the proposal of the DISCOMs to include poly-houses/green-houses under LT V Agriculture. The relevant details have been covered in the terms and conditions of Tariff Schedule.

6.3.4 **Other than Corporate Farmers:** The Commission after careful analysis and consideration of representations received has accepted the proposal of the DISCOMs to provide power to farmers (including poly-houses/green-houses) on subvention by the GoTS to individuals or joint families.

6.3.5 **Corporate Farmers-** the Commission after careful analysis and consideration of representations received includes the following consumers (including poly-houses/green-houses) in this category:

- a. A Company Registered under the Companies Act 1956 or 2013.
- b. A consumer who is a Partnership firm or a Limited Liability Partnership.
- c. An Association of Persons, a Co-operative society and Body of Individuals
- d. Any permanent Reinforced Cement Concrete (RCC) roof structures not exclusively used for the purpose of farming or storage and located in the farm lands such as farm houses or any other place of dwelling shall be charged in accordance with the applicable tariffs.

6.3.6 **Commission approved clause:** The terms and conditions for applicability of LT V consumer category approved by the Commission in this Order are as follows:

- Other than Corporate Farmers: Individual farmer or Joint Family Farmer including poly-houses/green-houses who are individuals and joint families.
- Corporate Farmers (including poly-houses/green-houses):
 - a. A Consumer Company registered under the Companies Act 1956 or 2013.
 - b. A Consumer who is a partnership firm or a Limited Liability Partnership.
 - c. A Consumer who is an Association of Persons, Co-operative society and Body of Individuals.
 - d. Any permanent Reinforced Cement Concrete (RCC) roof structures not exclusively used for the purposes of farming or storage and located in the farm lands such as farm houses or any other place of dwelling shall be charged in accordance with the applicable tariffs.
- For consumers who are excluded in the above clause, the existing tariffs shall

continue to be applicable.

6.4 LT VIII: TEMPORARY SUPPLY

6.4.1 The existing conditions for the providing supply under LT VIII is as follows:

- Temporary supply can be given on the request of a consumer initially for a period up to six (6) 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 six (6) months with the same tariff as applicable to Temporary supply category. After the expiry of twelve (12) 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.

Licensees' proposal

6.4.2 The DISCOMs have proposed to change the above stated condition as follows:

- Temporary supply can be given initially for a period up to one year as per the tariff applicable under the Temporary supply category. After the expiry of one year, the consumer is at liberty to seek further extension.

6.4.3 Further, the DISCOMs have proposed to add the following changes for applicability of LT VIII category.

- Temporary supply is applicable to
 - All Construction activities like construction of all types of structures/infrastructure such as buildings, bridges, fly-overs, dams, Power Stations, roads, Aerodromes, tunnels for laying of pipelines, etc.
 - Exhibitions, circuses, outdoor film shootings, touring talkies, etc.
- This tariff category is applicable for connections that are temporary in nature and hence for construction purpose, a consumer shall be given a temporary connection only.
- For the buildings above 10 m. height excluding Stilt for parking only, Regular supply shall be given only after submission of the Occupancy certificate as directed by the Govt. of Andhra Pradesh (united) vide G.O. Ms. No. 86 dated 03.03.2006 and on payment of the required charges.

Commission's Ruling

The DISCOMs have proposed to include certain activities under the purview of temporary service. The Commission after careful consideration has presented its analysis as follows:

- 6.4.4 Owing to the nature of activity carried out during the phase of construction the Commission accepts the proposal to consider construction activities like construction of all types of structures/ infrastructure such as residential /commercial buildings (height of 10 meters and above), bridges, fly-overs, dams, power stations, roads, aerodromes, tunnels for laying of pipelines, etc. The relevant tariff for temporary supply shall be applicable during the phase of construction.
- 6.4.5 For buildings above 10 mtrs height regular supply shall be provided upon submission of occupancy certificate / completion certificate as per Para 21 of Hyderabad Revised Building Rules, 2006 issued vide erstwhile Andhra Pradesh G.O.Ms.No.86 dated 03.03.2006 or any other municipal authority in the State of Telangana and on payment of required charges.
- 6.4.6 Owing to the short-term requirement exhibitions, circuses, outdoor film shootings, touring talkies, make-shift pandals for festivities, make-shift pandals for public gatherings and such other similar activities that are set up in open areas with no permanent structure shall also be provided with temporary supply and accordingly the relevant tariff shall be applicable.
- 6.4.7 Temporary supply can be given initially for a period up to one year as per the tariff applicable under temporary supply category. After the expiry of one year, the consumer is at liberty to seek further extension.

Commission approval:

- 6.4.8 The condition regarding the issue of connection under LT VIII approved by the Commission in this Order is as follows:
- Temporary supply can be given initially for a period up to one year as per the tariff applicable under temporary supply category. After the expiry of one year, the consumer is at liberty to seek further extension.
- 6.4.9 Temporary supply is applicable to:
- Construction activities like construction of all types of structures/ infrastructure such as residential / commercial buildings (height of 10 metres

and above), bridges, fly-overs, dams, power stations, roads, aerodromes, tunnels for laying of pipelines, etc. The relevant tariff for temporary supply shall be applicable during the phase of construction.

- Exhibitions, circuses, outdoor film shootings, touring talkies, make-shift pandals for festivities, make-shift pandals for public gatherings and such other similar activities that are set up in open areas with no permanent structure.

6.4.10 For buildings above 10 mtrs height regular supply shall be provided upon submission of occupancy certificate / completion certificate as per Para 21 of Hyderabad Revised Building Rules, 2006 issued vide erstwhile Andhra Pradesh G.O.Ms.No.86 dated 03.03.2006 or any other municipal authority in the State of Telangana and on payment of required charges.

6.5 HT I: INDUSTRY

6.5.1 The existing terms and conditions for applicability of HT I consumer category are as follows:

- This tariff is applicable for supply to all HT 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.
- 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.
- Workshops, flour mills, oil mills, saw mills, Ice candy, Ice manufacturing units with or without sale outlets.
- The Information Technology (IT) units identified and approved by the Consultative Committee on IT Industry (CCITI) constituted by GoTS.
- Newspaper printing units.
- Poultry Farming.
- Pisciculture and Prawn culture units.

Licensees proposal

6.5.2 The DISCOMs have proposed the following terms and conditions for applicability of HT I consumer category.

- This tariff is applicable for supply to all HT 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.
- 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.
- Workshops (involving activity of manufacturing), flour mills, oil mills, saw mills, Ice candy, Ice manufacturing units with or without sale outlets.
- All servicing & repairing centres, Bus Depots, gas/oil storage/transfer stations, warehouses/godowns/storage units (except for cold storages) etc. shall not be included in HT I(A) category.
- The Information Technology (IT) units identified and approved by the Consultative Committee on IT Industry (CCITI) constituted by GoTS excluding the consumption towards Cafeteria, Hotels, ATMs, Banks, Auditoriums and other amenities.
- Newspaper printing units.
- Poultry Farming.
- Pisciculture and Prawn culture units.

6.5.3 Further, the DISCOMs have proposed to add the following clause under the category specific conditions for HT I(A) category:

- IT units availing Industrial Power tariff have to provide separate meters at each individual utilisation point other than the IT purpose as certified by the CCITI such as Cafeteria, Hotels, ATMs, Banks, Auditoriums and other amenities and these meters shall be sealed by the Licensees. If the consumer

does not provide separate meters at each individual utilization point other than IT purpose, the entire consumption of the IT service will be billed under HT-II Others category.

Commission's Ruling

The Commission after consideration of the representations received and the proposals of the Licensees has determined as follows:

6.5.4 Other premises of IT Units: The DISCOMs are directed to approach the Commission with details of revenue impact of the proposed change, an action plan for implementation of separate meters and the associated cost of such installation (the Licensee share and the consumer share), to be able to analyse the changes proposed. The existing tariffs under HT-I will continue to be applicable for all premises of information technology units until further Orders of the Commission.

Commission approved clause

6.5.5 The terms and conditions for applicability of HT I consumer category approved by the Commission in this Order are as follows:

- This tariff is applicable for supply to all HT 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.
- 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.
- Workshops (involving activity of manufacturing), bus depots of TSRTC, servicing and repairing centres of TSRTC, cold storages, flour mills, oil mills, saw mills, ice candy, ice manufacturing units with or without sale outlets.
- These shall not be included in HT I(A) category: All servicing & repairing centres other than that of TSRTC, bus depots other than that of TSRTC, gas/oil storage/transfer stations, warehouses/ godowns/ storage units (except for cold storages), etc.

- The Information Technology (IT) units identified and approved by the Consultative Committee on IT Industry (CCITI) constituted by Government of Telangana State.
- Newspaper printing units.
- Poultry Farming units.
- Pisciculture and Prawn culture units.

6.5.6 Further, considering the request of consumers, the Commission approves that the demand charges to be paid by captive power consumers availing power for start-up power at the rate of 50% of the demand charges of the HT I consumer category.

6.6 HT II: OTHERS

The existing terms and conditions for applicability of HT II consumer category are as follows:

- This tariff is applicable to all HT Consumers other than those covered under HT Categories I and III to VII.

Licensees Proposal

6.6.1 The DISCOMs have proposed the following terms and conditions for applicability of HT II consumer category.

- This tariff is applicable to all HT Consumers other than those covered under HT Categories I and III to VII.
- Consumers who undertake Non Domestic activity.
- Consumers who undertake Commercial activity.
- 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, timber depots, photo studios, printing presses, all servicing & repairing centres, Bus Depots, laundries, dry cleaning units, gas/oil storage/transfer stations, warehouses / godowns / storage units (except for cold storages which would be charged under HT I(A) Industries), etc.
- Educational institutions run by individuals, Non-Government Organizations or Private Trusts and their student hostels are also classified under this category.
- Cafeteria, Hotels, ATMs, Banks, Auditoriums and other amenities in Information Technology (IT) units identified and approved by the Consultative Committee on IT Industry (CCITI) constituted by GoTS.

6.6.2 Further, the DISCOMs have proposed to add the following clause under the category specific conditions for HT II Others category:

- IT units availing Industrial Power tariff have to provide separate meters at each individual utilization point other than the IT purpose as certified by the CCITI such as Cafeteria, Hotels, ATMs, Banks, Auditoriums and other amenities and these meters shall be sealed by the Licensees. If the consumer does not provide separate meters at each individual utilization point other than IT purpose, the entire consumption of the IT service will be billed under HT-II Others category.

Commission's Ruling

The Commission after consideration of the representations received and the proposals of the Licensees has determined as follows:

6.6.3 **Other premises of IT Units:** The DISCOMs are directed to approach the Commission with details of revenue impact of the proposed change, an action plan for implementation of separate meters and the associated cost of such installation (the Licensee share and the consumer share), to be able to analyse the changes proposed. The existing tariffs will under HT I (A) continue to be applicable for all premises of information technology units until further Orders of the Commission.

Commission approved clause

6.6.4 The terms and conditions for applicability of HT II consumer category approved by the Commission in this Order are as follows:

- This tariff is applicable to all HT Consumers other than those covered under HT Categories I and III to VII.
- Consumers who undertake Non Domestic activity.
- Consumers who undertake Commercial activity.
- Consumers who avail supply of energy for lighting, fans, heating, air conditioning and power appliances in Commercial or Non-Domestic premises. For example, shops, business houses, offices, public buildings, hospitals, hostels, hotels, choultries, restaurants, clubs, theatres, cinema halls, timber depots, photo studios, printing presses, all servicing & repairing centres (other than that of TSRTC), bus depots (other than that of TSRTC), laundries, dry cleaning units, gas/oil storage/transfer stations, warehouses, godowns (other than cold storage godowns), storage units or of similar nature.
- Educational institutions run by individuals, Non-Government Organizations or Private Trusts and their student hostels are also classified under this category.

6.6.5 Taking into consideration the request of consumers, the Commission approves that the demand charges to be paid by a captive power consumer availing of power for start-up power at the rate of 50% of the demand charges of the HT II consumer category.

6.6.6 Taking into consideration the request of consumers, the Commission approves the inclusion of Crematoriums operated and maintained by local bodies in the note to terms and conditions of HT II category to limit the overall kVAh rate to LT VII General Purpose. The Commission approved clause is as follows:

“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 and the Crematoriums operated and maintained by the local bodies, the overall kVAh rate (including customer charges) may be limited to the tariff rates under LT-VII: General purpose, in specific cases as decided by the Licensee.”

6.7 HT V (A): RAILWAY TRACTION

6.7.1 South Central Railway submitted that Indian Railways is availing of power through Open Access in several states from Ratnagiri Gas and Power Private Limited (RGPPL). The rate is Rs. 4.70/kWh in TSSPDCL and Rs.5.50/kWh in TSNPDCL. The option of procuring power through Open Access is being planned in Telangana State. Hence, they requested the Hon’ble Commission:

- to approve single part tariff of Rs. 4.70/kVAh in place of the existing tariff of Rs. 7.10/kVAh considering that Railways is a public utility with the characteristics of base load, high power factor and bulk consumption
- to approve a rebate of atleast 10% of energy charges to give impetus to electrification of Railway network.

Commission’s Ruling

6.7.2 The general principle of tariff structure is to have two part tariff, i.e. capacity/ fixed/ demand charges and energy charges. Accordingly, the Commission has fixed the two part tariff for HT categories except certain categories on technical grounds. Hence, it is not possible to determine a single part tariff. The Commission has introduced Two-part tariff for HT V(A) category and is dealt in Chapter 8.

6.8 HT V(B): HYDERABAD METRO RAIL

Licensees Proposal

6.8.1 The DISCOMs requested the Commission to fix the energy charges for Hyderabad Metro Rail Traction at Average Cost of Service (CoS).

Commission's Ruling

6.8.2 The Commission has introduced two-part tariff for HT V(B) category.

6.8.3 The Commission has examined the proposal for fixing the energy charges to HMR Traction at Average Cost of Service (CoS) and presents its reasoning as below:

- HMR is a public utility that will be engaged in the activities of providing mass rapid transit system for Hyderabad and benefits would be bestowed upon a section of travelling public. The integral part of its core operations are identified as follows:
 - a. Traction load.
 - b. Access pathways to station such as elevators, staircases (including escalators) and platforms used for the purposes of boarding the train.
 - c. Enabling areas such as ticket counters, stations office, operation/control rooms, depots and public washrooms located within the station premises (excluding areas allotted for vehicle parking).

Commission approved clause

6.8.4 The terms and conditions for applicability of HT V(B) consumer category approved by the Commission in this Order are as follows:

- The tariff applicable for this category is laid out in Chapter 8.
- This category is available for HMR to run its operations (other than construction projects) to the extent of following:
 - a. Traction load.
 - b. Access pathways to the station such as elevators, staircases (including escalators) and platforms used for the purposes of boarding the train.
 - c. Enabling areas such as ticket counters, station office, operation/control rooms, depots and public washrooms located within the station premises (excluding areas allotted for vehicle parking).
- The commercial load (other than that in the above clause) at HMR Stations and other HMR premises including any retail counters that are set up under the

Telangana Shops and Establishments Act, 1988 shall be metered and billed separately as per the relevant tariff category.

6.9 HT VII: TEMPORARY

6.9.1 The existing condition regarding the issue of connection under HT VII is as follows:

- Temporary supply can be given on the request of a consumer initially for a period up to 6 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 6 months with the same tariff as applicable to Temporary supply category. After the expiry of 12 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.

Licensees Proposal

6.9.2 The DISCOMs have proposed to change the above stated condition as follows:

- Temporary supply can be given initially for a period up to one year as per the tariff applicable under the Temporary supply category. After the expiry of one year, the consumer is at liberty to seek further extension.

6.9.3 Further, the DISCOMs have proposed to add the following changes for applicability of HT VII category.

- Temporary supply is applicable to
 - All Construction activities like construction of all types of structures/infrastructure such as buildings, bridges, fly-overs, dams, Power Stations, roads, Aerodromes, tunnels for laying of pipelines, etc.
 - Exhibitions, circuses, outdoor film shootings, touring talkies, etc.
- This tariff category is applicable for connections that are temporary in nature and hence for construction purpose, a consumer shall be given a temporary connection only.
- For the buildings above 10 m. height excluding Stilt for parking only, Regular supply shall be given only after submission of the Occupancy certificate as directed by the Govt. of Andhra Pradesh (united) vide G.O. Ms. No. 86 dated 03.03.2006 and on payment of the required charges.

Commission's Ruling

The DISCOMs have proposed to include certain activities under the purview of temporary service. The Commission after careful consideration has presented its analysis as follows:

- 6.9.4 Owing to the nature of activity carried on during the phase of construction the Commission accepts the proposal to consider the construction activities like construction of all types of structures/ infrastructure such as residential /commercial buildings (height of 10 meters and above), bridges, fly-overs, dams, power stations, roads, aerodromes, tunnels for laying pipelines, etc. The relevant tariff for temporary supply shall be applicable during the phase of construction.
- 6.9.5 For buildings above 10 mtrs height regular supply shall be provided upon submission of occupancy certificate / completion certificate as per Para 21 of Hyderabad Revised Building Rules, 2006 issued vide erstwhile Andhra Pradesh G.O.Ms.No.86 dated 03.03.2006 or any other municipal authority in the State of Telangana and on payment of required charges.
- 6.9.6 Owing to short-term requirement, exhibitions, circuses, outdoor film shootings, touring talkies, make-shift pandals for festivals, make-shift pandals for public gatherings and such other similar activities that are set up in open areas with no permanent structure shall also be provided with temporary supply and accordingly the relevant tariff shall be applicable.
- 6.9.7 Temporary supply can be given initially for a period up to one year as per the tariff applicable under temporary supply category. After the expiry of one year, the consumer is at liberty to seek further extension.

Commission approved clause

- 6.9.8 The condition regarding the issue of connection under HT VII approved by the Commission in this Order is as follows:
- Temporary supply can be given initially for a period up to one year as per the tariff applicable under temporary supply category. After the expiry of one year, the consumer is at liberty to seek further extension.
- 6.9.9 Temporary supply is applicable to:
- Construction activities like construction of all types of structures/ infrastructure such as residential or commercial buildings (height of 10 metres and above), bridges, fly-overs, dams, power stations, roads, aerodromes, tunnels for laying of pipelines, etc. The relevant tariff for temporary supply shall be applicable during the phase of construction.
 - Exhibitions, circuses, outdoor film shootings, touring talkies, make-shift pandals for festivals, make-shift pandals for public gatherings and such other similar activities that are set up in open areas with no permanent structure.

6.9.10 For buildings above 10 mtrs height regular supply shall be provided upon submission of occupancy certificate / completion certificate as per Para 21 of Hyderabad Revised Building Rules, 2006 issued vide erstwhile Andhra Pradesh G.O.Ms.No.86 dated 03.03.2006 or any other municipal authority in the State of Telangana and on payment of required charges.

CHAPTER 7- RETAIL SUPPLY TARIFF SCHEDULE FOR FY 2017-18

7.1 REFERENCE TARIFF SCHEDULE

7.1.1 The Commission after determining the Revenue Requirement for FY 2017-18 estimated the Revenue at current tariffs with the approved sales and the Revenue Gap. Considering the changes in tariff approved in this Order, the Commission has determined the Reference Tariff Schedule for FY 2017-18 and estimated the revenue for each category for FY 2017-18 at the tariffs indicated in the Reference Tariff Schedule is tabulated below:

Table 32: Reference Tariff Schedule for FY 2017-18

Category	Fixed/Demand Charge (Rs./Month)		Energy Charge (Rs./Unit)
	Unit	Rate	
Low Tension			
LT I: Domestic			
LT I (A): Upto 100 Units/Month			
0-50			1.45
51-100			2.60
LT I (B)(i): Above 100 Units/Month & up to 200 Units/Month			
0-100			3.30
101-200			4.30
LT I (B)(ii): Above 200 Units/Month			
0-200			5.00
201-300			7.20
301-400			8.50
401-800			9.00
Above 800 units			9.50
LT II: Non-Domestic/Commercial			
LT II (A): Upto 50 Units/Month			
0-50	kW	50	6.00
LT II (B): Above 50 Units/Month			
0-100	kW	60	7.50
101-300	kW	60	8.90
301-500	kW	60	9.40
Above 500	kW	60	10.00
LT II (C): Advertisement Hoardings	kW	60	12.00
LT II (D): Haircutting salons consuming upto 200 units/month			
0-50	kW	60	5.30
51-100	kW	60	6.60
101-200	kW	60	7.50
LT III: Industry			
Industries	kW	60	6.70
Seasonal Industries (off-season)	kW	60	7.40
Pisciculture/Prawn culture	kW	21	5.20
Sugarcane crushing	kW	21	5.20

Category	Fixed/Demand Charge (Rs./Month)		Energy Charge
	Unit	Rate	(Rs./Unit)
Poultry farms	kW	50	6.00
Mushroom, Rabbit, Sheep and Goat farms	kW	60	6.30
Floriculture in Green House	kW	60	6.30
LT IV: Cottage Industries			
Cottage Industries	kW	20/kW subject to a minimum of Rs.30/month	4.00
Agro Based Activities	kW	20/kW subject to a minimum of Rs.30/month	4.00
LT V: Agriculture			
LT V (A): Agriculture (DSM Measures mandatory)			
Corporate Farmers	HP		2.50
Other than Corporate Farmers	HP		0.00
LT V (B): Others			
Horticulture Nurseries with CL upto 15 HP	HP	20	4.00
LT VI: Street Lighting & PWS			
LT VI (A): Street Lighting			
Panchayats	kW	32	6.10
Municipalities	kW	32	6.60
Municipal Corporations	kW	32	7.10
LT VI (B): PWS Schemes			
Panchayats	HP	32/HP subject to a minimum of Rs.50/month	5.00
Municipalities	HP	32/HP subject to a minimum of Rs.100/month	6.10
Municipal Corporations	HP	32/HP subject to a minimum of Rs.100/month	6.60
LT VII: General			
LT VII (A): General Purpose	kW	21	7.30
LT VII (B): Wholly Religious Places			
Load upto 2 kW	kW	21	5.40
Load above 2 kW	kW	21	6.00
LT VIII: Temporary Supply	kW	21	11.00
High Tension			
HT I(A): Industry General			
11 kV	kVA	390	6.65
33 kV	kVA	390	6.15
132 kV and above	kVA	390	5.65
HT I(A): Lights and Fans			
11 kV			6.65
33 kV			6.15
132 kV and above			5.65
HT I(A): Poultry Farms			
11 kV	kVA	390	6.65

Category	Fixed/Demand Charge (Rs./Month)		Energy Charge
	Unit	Rate	(Rs./Unit)
33 kV	kVA	390	6.15
HT I(A):Industrial Colonies			
11 kV			6.30
33 kV			6.30
132 kV and above			6.30
HT I(A):Seasonal Industries			
11 kV	kVA	390	7.60
33 kV	kVA	390	6.90
132 kV and above	kVA	390	6.70
HT I(A):Optional Category with Load Up to 150 kVA			
11 kV	kVA	80	7.00
HT I: Time of Day Tariffs (6 AM to 10 AM)			
11 kV			7.65
33 kV			7.15
132 kV and above			6.65
HT I: Time of Day Tariffs (6 PM to 10 PM)			
11 kV			7.65
33 kV			7.15
132 kV and above			6.65
HT I: Time of Day Tariffs (10 PM to 6 AM)			
11 kV			5.65
33 kV			5.15
132 kV and above			4.65
HT I (A): Poultry Farms - Time of Day Tariffs (6 AM to 10 AM)			
11 kV			7.65
33 kV			7.15
HT I (A): Poultry Farms - Time of Day Tariffs (6 PM to 10 PM)			
11 kV			7.65
33 kV			7.15
HT I (A): Poultry Farms - Time of Day Tariffs (10 PM to 6 AM)			
11 kV			5.65
33 kV			5.15
HT I(B):Ferro Alloy Units			
11 kV			5.90
33 kV			5.50
132 kV and above			5.00
HT II OTHERS			
11 kV	kVA	390	7.80
33 kV	kVA	390	7.00
132 kV and above	kVA	390	6.80
HT II: Time of Day Tariffs (6 AM to 10 AM)			
11 kV			8.80
33 kV			8.00
132 kV and above			7.80
HT II: Time of Day Tariffs (6 PM to 10 PM)			
11 kV			8.80

Category	Fixed/Demand Charge (Rs./Month)		Energy Charge
	Unit	Rate	(Rs./Unit)
33 kV			8.00
132 kV and above			7.80
HT II: Time of Day Tariffs (10 PM to 6 AM)			
11 kV			6.80
33 kV			6.00
132 kV and above			5.80
HT III AIRPORTS, BUS STATIONS AND RAILWAY STATIONS			
11 kV	kVA	390	7.50
33 kV	kVA	390	6.85
132 kV and above	kVA	390	6.45
HT III: Time of Day Tariffs (6 AM to 10 AM)			
11 kV			8.50
33 kV			7.85
132 kV and above			7.45
HT III: Time of Day Tariffs (6 PM to 10 PM)			
11 kV			8.50
33 kV			7.85
132 kV and above			7.45
HT III: Time of Day Tariffs (10 PM to 6 AM)			
11 kV			6.50
33 kV			5.85
132 kV and above			5.45
HT IV (A) IRRIGATION AND AGRICULTURE			
11 kV			6.40
33 kV			6.40
132 kV and above			6.40
HT IV(B) CP Water Supply Schemes			
11 kV			5.10
33 kV			5.10
132 kV and above			5.10
HT V (A) Railway Traction	kVA	390	4.05
HT V (B) HMR	kVA	390	3.95
HT VI Townships & Residential Colonies			
11 kV	kVA	60	6.30
33 kV	kVA	60	6.30
132 kV and above	kVA	60	6.30
HT VII: Temporary			
11 kV	kVA	500	10.80
33 kV	kVA	500	10.00
132 kV and above	kVA	500	9.80
HT VIII: RESCO			
11 kV			1.00

7.2 REVENUE AT REFERENCE TARIFFS

7.2.1 The following table shows the category wise revenue determined by the Commission for FY 2017-18 at the Reference Tariffs:

Table 33: Revenue at Reference Tariffs determined by the Commission (INR Crore)

Consumer Category		Determined by the Commission		
		SPDCL	NPDCL	Total
LT Category		7306.31	2139.71	9446.02
Category I (A&B)	Domestic	3743.39	1064.98	4808.37
Category II (A, B & C)	Non-Domestic/Commercial	2382.02	628.62	3010.63
Category III (A&B)	Industrial	629.98	200.27	830.25
Category IV (A&B)	Cottage Industries & Dhobighats	4.08	3.38	7.47
Category V (A, B & C)	Irrigation & Agriculture	41.18	40.81	81.99
Category VI (A&B)	Local Bodies, Street Lighting & PWS	451.54	167.21	618.75
Category VII (A&B)	General Purpose	51.76	34.44	86.21
Category VIII (A&B)	Temporary Supply	2.36	0.00	2.36
HT Category at 11 kV		4288.53	728.71	5017.24
HT-I	Industry Segregated	2632.26	447.44	3079.70
HT-I(B)	Ferro Alloys	0.00	0.00	0.00
HT-II	Others	1489.56	115.26	1604.82
HT-III	Airports, Railways and Bus Stations	5.06	7.17	12.23
HT-IV(A)	Lift Irrigation & Agriculture	41.92	52.80	94.72
HT-IV(B)	CP Water Supply Schemes	15.81	23.24	39.04
HT-VI	Townships and Residential Colonies	57.48	7.82	65.30
HT	Temporary Supply	46.45	0.00	46.45
HT	RESCOs	0.00	74.99	74.99
HT Category at 33 kV		3661.93	273.89	3935.82
HT-I	Industry Segregated	3037.87	137.84	3175.71
HT-I(B)	Ferro Alloys	0.00	0.00	0.00
HT-II	Others	554.49	17.10	571.60
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00
HT-IV(A)	Lift Irrigation & Agriculture	37.62	39.74	77.36
HT-IV(B)	CP Water Supply Schemes	0.44	47.78	48.22
HT-VI	Townships and Residential Colonies	31.50	31.43	62.93
HT	Temporary Supply	0.00	0.00	0.00
HT	RESCOs	0.00	0.00	0.00
HT Category at 132 kV		2290.61	1358.94	3649.55
HT-I	Industry Segregated	1463.14	454.03	1917.17
HT-I(B)	Ferro Alloys	92.15	0.00	92.15

Consumer Category		Determined by the Commission		
		SPDCL	NPDCL	Total
HT-II	Others	63.00	8.44	71.44
HT-III	Airports, Railways and Bus Stations	44.79	0.00	44.79
HT-IV(A)	Lift Irrigation & Agriculture	528.12	606.73	1134.85
HT-IV(B)	CP Water Supply Schemes	0.00	0.00	0.00
HT-V(A)	Railway Traction	90.73	225.02	315.75
HT-V(B)	HMR	8.68	0.00	8.68
HT-VI	Townships and Residential Colonies	0.00	64.71	64.71
HT	Temporary Supply	0.00	0.00	0.00
HT	RESCOs	0.00	0.00	0.00
Total		17547.37	4501.26	22048.63

The total revenue for the tariff determined by the Commission is INR 22, 048.63 crores and considering the approved energy sales of 45,125.05 MU, the average recovery of cost as per the above tariff schedule works out to INR 4.89 /kWh.

7.3 NON-TARIFF INCOME

7.3.1 From the submissions of the DISCOMs, the Commission observed that actual non-tariff income of FY 2015-16 is INR 108 Crores and INR 100 Crores for SPDCL and NPDCL respectively. Based on the same, the Commission has projected the non-tariff income of INR 125.89 Crores and INR 116.57 Crores for SPDCL and NPDCL respectively for FY 2017-18.

7.4 REVENUE GAP AT REFERENCE TARIFFS

The average cost of supply as worked at para 4.1.7 is Rs.6.05 and the average recovery of cost through revenue realisation is INR 4.89, leaving a gap of INR 1.16 /kWh. This needs to be recovered by way of subsidy from the State Government to compensate the DISCOMs for supply of electricity at subsidised rates for certain category of consumers.

7.4.1 The Revenue Gap determined by the Commission at the Reference Tariffs is tabulated below:

Table 34: Revenue Gap at Reference Tariffs determined by the Commission

		<i>(INR Crores)</i>		
Particulars		SPDCL	NPDCCL	Total
1.0	Revenue requirement	18,863.32	8,433.16	27,296.48
2.0	Revenue (2.1 + 2.2)	17,673.26	4,617.82	22,291.09
2.1	Revenue from determined tariff	17,547.37	4,501.26	22,048.63
2.2	Non-Tariff Income	125.89	116.57	242.46
3.0	Revenue Gap (1.0 -2.0)	1,190.05	3,815.34	5,005.39
4.0	Impact of final true-up of power purchase cost for FY 2015-16 (Gap/(Surplus))	504.58	105.53	610.11
5.0	Impact of provisional true-up of power purchase cost for FY 2016-17 (Gap/(Surplus))	(967.55)	129.09	(838.46)
6.0	Net Revenue Gap (3.0 + 4.0 + 5.0)	727.09	4,049.96	4,777.04

7.5 FULL COST RECOVERY TARIFF SCHEDULE

7.5.1 The Commission after examining the cost, revenue and cross subsidy for each consumer category and considering the Reference Tariff Schedule has determined the Full Cost Recovery Tariff Schedule (FCRTS) for FY 2017-18. If this FCRTS is levied on different consumer categories for consumption during FY 2017-18, the DISCOMs will be able to meet the approved revenue requirement in full.

7.5.2 The revenue is computed as per the Reference Tariff Schedule, for each consumer category based on the approved sales for FY 2017-18. The non-tariff income is apportioned amongst various consumer categories.

7.5.3 The category wise revenue including the non-tariff income is compared with the category wise cost of supply, based on the cost of service determined for the respective consumer categories. The impact of truing up of power purchase cost for FY 2015-16 and FY 2016-17 has also been taken into consideration by allocating the same amongst various consumer categories. Based on the cost and revenue from each consumer category, some consumer categories are classified as subsidising, if the revenue is more than the cost (surplus) and others are subsidised, if the revenue is less than cost (deficit).

- 7.5.4 The sum of surplus of revenue over cost available from subsidising categories is first utilised 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.
- 7.5.5 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 INR 4,777.04 Crores.
- 7.5.6 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.
- 7.5.7 Following the methodology detailed above, the Commission has drawn up a Full Cost Recovery Tariff Schedule for each Licensee. If the Licensees levy the tariff as per FCRTS for FY 2017-18, they would recover the approved ARR in full. The details of FCRTS are tabulated below:

Table 35: Full Cost Recovery Tariff Schedule for FY 2017-18

Category	Fixed/Demand Charge (INR/Month)		Energy Charge (INR/Unit)	
	Unit	Rate	TSSPDCL	TSNPDCL
Low Tension				
LT I: Domestic				
LT I (A): Upto 100 Units/Month				
0-50			2.08	8.17
51-100			2.60	7.23
LT I (B)(i): Above 100 Units/Month & up to 200 Units/Month				
0-100			3.30	8.52
101-200			4.30	7.40
LT I (B)(ii): Above 200 Units/Month				
0-200			5.00	5.41
201-300			7.20	7.20
301-400			8.50	8.50
401-800			9.00	9.00
Above 800 units			9.50	9.50
LT II: Non-Domestic/Commercial				

Category	Fixed/Demand Charge (INR/Month)		Energy Charge (INR/Unit)	
	Unit	Rate	TSSPDCL	TSNPDCL
LT II (A): Upto 50 Units/Month				
0-50	kW	50	6.00	6.00
LT II (B): Above 50 Units/Month				
0-100	kW	60	7.50	7.50
101-300	kW	60	8.90	8.90
301-500	kW	60	9.40	9.40
Above 500	kW	60	10.00	10.00
LT II (C): Advertisement Hoardings	kW	60	12.00	12.00
LT II (D): Haircutting salons consuming upto 200 units/month				
0-50	kW	60	5.30	5.30
51-100	kW	60	6.60	6.60
101-200	kW	60	7.50	7.50
LT III: Industry				
Industries	kW	60	6.70	6.70
Seasonal Industries (off-season)	kW	60	7.40	7.40
Pisciculture/Prawn culture	kW	21	5.20	5.20
Sugarcane crushing	kW	21	5.20	5.20
Poultry farms	kW	50	6.00	6.00
Mushroom, Rabbit, Sheep and Goat farms	kW	60	6.30	6.30
Floriculture in Green House	kW	60	6.30	6.30
LT IV: Cottage Industries				
Cottage Industries	kW	20	4.00	4.00
Agro Based Activities	kW	20	4.00	4.00
LT V: Agriculture				
LT V (A): Agriculture (DSM Measures mandatory)				
Corporate Farmers	HP		3.03	5.17
Other than Corporate Farmers	HP		0.96	5.22
LT V (B): Others				
Horticulture Nurseries with CL upto 15 HP	HP	20	4.00	4.00
LT VI: Street Lighting & PWS				
LT VI (A): Street Lighting				
Panchayats	kW	32	6.10	6.10
Municipalities	kW	32	6.60	6.60
Municipal Corporations	kW	32	7.10	7.10
LT VI (B): PWS Schemes				
Panchayats	HP	32	5.00	5.00

Category	Fixed/Demand Charge (INR/Month)		Energy Charge (INR/Unit)	
	Unit	Rate	TSSPDCL	TSNPDCL
Municipalities	HP	32	6.10	6.10
Municipal Corporations	HP	32	6.60	6.60
LT VII: General				
LT VII (A): General Purpose	kW	21	7.30	7.30
LT VII (B): Wholly Religious Places				
Load upto 2 kW	kW	21	5.40	5.40
Load above 2 kW	kW	21	6.00	6.00
LT VIII: Temporary Supply	kW	21	11.00	11.00

High Tension				
HT I(A): Industry General				
11 kV	kVA	390	6.65	6.65
33 kV	kVA	390	6.15	6.15
132 kV and above	kVA	390	5.65	5.65
HT I(A):Lights and Fans				
11 kV			6.65	6.65
33 kV			6.15	6.15
132 kV and above			5.65	5.65
HT I(A):Poultry Farms				
11 kV	kVA	390	6.65	6.65
33 kV	kVA	390	6.15	6.15
HT I(A):Industrial Colonies				
11 kV			6.30	6.30
33 kV			6.30	6.30
132 kV and above			6.30	6.30
HT I(A):Seasonal Industries				
11 kV	kVA	390	7.60	7.60
33 kV	kVA	390	6.90	6.90
132 kV and above	kVA	390	6.70	6.70
HT I(A):Optional Category with Load Up to 150 kVA				
11 kV	kVA	80	7.00	7.00
HT I(B):Ferro Alloy Units				
11 kV			5.90	5.90
33 kV			5.50	5.50
132 kV and above			5.00	5.00
HT II OTHERS				
11 kV	kVA	390	7.80	7.80

Category	Fixed/Demand Charge (INR/Month)		Energy Charge (INR/Unit)	
	Unit	Rate	TSSPDCL	TSNPDCL
33 kV	kVA	390	7.00	7.00
132 kV and above	kVA	390	6.80	6.80
HT III AIRPORTS, BUS STATIONS AND RAILWAY STATIONS				
11 kV	kVA	390	7.50	7.50
33 kV	kVA	390	6.85	6.85
132 kV and above	kVA	390	6.45	6.45
HT IV(A) IRRIGATION AND AGRICULTURE				
11 kV			6.40	6.40
33 kV			6.40	6.40
132 kV and above			6.40	6.40
HT IV(B) CP Water Supply Schemes				
11 kV			5.10	5.10
33 kV			5.10	5.10
132 kV and above			5.10	5.10
HT V (A) Railway Traction	kVA	390	4.05	4.05
HT V (B) HMR	kVA	390	3.95	-
HT VI Townships & Residential Colonies				
11 kV	kVA	60	6.30	6.30
33 kV	kVA	60	6.30	6.30
132 kV and above	kVA	60	6.30	6.30
HT VII: Temporary				
11 kV	kVA	500	10.80	10.80
33 kV	kVA	500	10.00	10.00
132 kV and above	kVA	500	9.80	9.80
HT VIII: RESCO				
11 kV			-	1.00

7.5.8 In the absence of any external subsidy u/s 65 of the Electricity Act, 2003, the Licensees will have to charge the rates contained in the above FCRTS to generate the revenue required to meet the approved cost.

7.6 SUBSIDY COMMITMENT

7.6.1 The Commission worked out the Full Cost Recovery Tariff Schedule rates (FCRTS) for FY 2017-18, which the Licensees will have to charge in the absence of any external subsidy u/s 65 of Electricity Act, 2003 in order to generate the revenue

required to meet the approved cost.

7.6.2 In response to the Commission's letter no. TSERC/Secy/ARR 2017-18/7 D. No. 411/17 dated 15.07.2017 and letter no. TSERC/Secy/ARR 2017-18/8 D. No. 475/17 dated 18.08.2017, the Special Chief Secretary to Government, Energy Department, Government of Telangana State, vide Letter No. 945/Budget.A2/2017-1 dated 26.08.2017 informed that "Government after careful consideration of the matter have noted the retail sale tariff proposed by the Hon'ble Commission for the FY 2017-18 and hereby communicates consent under section 65 of the Electricity Act, 2003 in respect of grant of subsidy for FY 2017-18". While confirming its commitment to provide subsidy amount for a sum of INR 4,777.04 Crore (Rupees Four Thousand Seven Hundred and Seventy-Seven Crore and Four Lakhs Only) in accordance with Section 65 of the Electricity Act, 2003. The State Government in its letter also directed, u/s 108 of the Act, to maintain the uniform retail supply tariff across the State.

7.6.3 The details of subsidy amount as committed by the State Government is as shown in the Table below:

Table 36: Subsidy commitment by the GoTS

Consumer Category	Amount (INR Crore)		
	TSSPDCL	TSNPDCL	Total
LT I: Domestic	69.27	1472.12	1541.39
LT V: Agriculture	657.82	2577.84	3235.66
Total	727.09	4049.96	4777.04

7.6.4 The Commission observed that the Letter of GoTS regarding subsidy commitment is silent on the release of the additional subsidy of INR 20.18 Crore for retaining the existing subsidy commitment of INR 2/unit for Poultry Farms would be provided or not. However, the Commission has considered the concession of INR 2/unit while approving the Retail Supply Tariff for Poultry Farms, in this Order. The said amount of INR 20.18 Crore shall be met by the DISCOMs from the internal efficiency gains.

Legend	Particulars	Amount (INR Crore)		
		TSSPDCL	TSNPDCL	Total
1	Revenue Gap (@ Reference Tariffs)	727.09	4049.96	4777.04
2	Poultry Farms Subsidy	19.47	0.71	20.18
3=1+2	Total Subsidy	746.56	4050.67	4797.22

Legend	Particulars	Amount (INR Crore)		
		TSSPDCL	TSSNPDCCL	Total
4	Government Subsidy commitment	727.09	4049.96	4777.04
5	Internal Performance efficiencies	19.47	0.71	20.18
6=3-4-5	Net Gap	0.00	0.00	0.00

7.7 RETAIL SUPPLY TARIFF SCHEDULE

7.7.1 The Commission in accordance with the decisions detailed in the above chapters and the consent from GoTS for provisions of subsidy, hereby determines the Retail Supply Tariffs for FY 2017-18. The Retail Supply Tariffs along with the terms and conditions approved in this Order shall be applicable w.e.f. 01.09.2017 in respect of the two DISCOMs (TSSPDCL & TSSNPDCCL) and Siricilla RESCO in the State of Telangana.

7.7.2 The Commission vide its Order dated 23.03.2017 in O.P. Nos. 22, 23 and 25 of 2016 ordered that the Retail Supply Tariffs (RST) and Cross Subsidy Surcharge (CSS) as determined by the Commission in its Order dated 23.06.2016 for FY 2016-17 in O.P. Nos. 6 and 7 of 2016 shall continue to be applicable from 01.04.2017 onwards till such time the Commission determines the RST and CSS for FY 2017-18. In view of passing this Retail Supply Tariff Order, the said Order dated 23.03.2017 is rendered inoperative w.e.f. 01.09.2017.

7.7.3 Taking in to consideration the subsidy commitment of GoTS u/s 65 of the Act, the Commission has approved the Retail Supply Tariffs for FY 2017-18 as shown in the Table below:

Table 37: Retail Supply Tariff Schedule for FY 2017-18

(w.e.f., 01.09.2017)

Category	Fixed/Demand Charge (INR/Month)		Energy Charge
	Unit	Rate	(INR/Unit)
Low Tension			
LT I: Domestic			
LT I (A): Upto 100 Units/Month			
0-50			1.45
51-100			2.60
LT I (B)(i): Above 100 Units/Month & up to 200 Units/Month			
0-100			3.30
101-200			4.30
LT I (B)(ii): Above 200 Units/Month			

Category	Fixed/Demand Charge (INR/Month)		Energy Charge
	Unit	Rate	(INR/Unit)
0-200			5.00
201-300			7.20
301-400			8.50
401-800			9.00
Above 800 units			9.50
LT II: Non-Domestic/Commercial			
LT II (A): Upto 50 Units/Month			
0-50	kW	50	6.00
LT II (B): Above 50 Units/Month			
0-100	kW	60	7.50
101-300	kW	60	8.90
301-500	kW	60	9.40
Above 500	kW	60	10.00
LT II (C): Advertisement Hoardings			
LT II (D): Haircutting salons consuming upto 200 units/month			
0-50	kW	60	5.30
51-100	kW	60	6.60
101-200	kW	60	7.50
LT III: Industry			
Industries	kW	60	6.70
Seasonal Industries (off-season)	kW	60	7.40
Pisciculture/Prawn culture	kW	21	5.20
Sugarcane crushing	kW	21	5.20
Poultry farms	kW	50	4.00
Mushroom, Rabbit, Sheep and Goat farms	kW	60	6.30
Floriculture in Green House	kW	60	6.30
LT IV: Cottage Industries			
Cottage Industries	kW	20/kW subject to a minimum of Rs. 30/month	4.00
Agro Based Activities	kW	20/kW subject to a minimum of Rs. 30/month	4.00
LT V: Agriculture			
LT V (A): Agriculture (DSM Measures mandatory)			
Corporate Farmers	HP		2.50
Other than Corporate Farmers	HP		0.00
LT V (B): Others			
Horticulture Nurseries with CL upto 15 HP	HP	20	4.00
LT VI: Street Lighting & PWS			
LT VI (A): Street Lighting			
Panchayats	kW	32	6.10
Municipalities	kW	32	6.60
Municipal Corporations	kW	32	7.10
LT VI (B): PWS Schemes			
Panchayats	HP	32/HP subject to a minimum of Rs. 50/month	5.00

Category	Fixed/Demand Charge (INR/Month)		Energy Charge
	Unit	Rate	(INR/Unit)
Municipalities	HP	32/HP subject to a minimum of Rs. 50/month	6.10
Municipal Corporations	HP	32/HP subject to a minimum of Rs. 50/month	6.60
LT VII: General			
LT VII (A): General Purpose	kW	21	7.30
LT VII (B): Wholly Religious Places			
Load upto 2 kW	kW	21	5.40
Load above 2 kW	kW	21	6.00
LT VIII: Temporary Supply	kW	21	11.00
High Tension			
HT I(A): Industry General			
11 kV	kVA	390	6.65
33 kV	kVA	390	6.15
132 kV and above	kVA	390	5.65
HT I(A): Lights and Fans			
11 kV			6.65
33 kV			6.15
132 kV and above			5.65
HT I(A): Poultry Farms			
11 kV	kVA	390	4.65
33 kV	kVA	390	4.15
HT I(A): Industrial Colonies			
11 kV			6.30
33 kV			6.30
132 kV and above			6.30
HT I(A): Seasonal Industries			
11 kV	kVA	390	7.60
33 kV	kVA	390	6.90
132 kV and above	kVA	390	6.70
HT I(A): Optional Category with Load Up to 150 kVA			
11 kV	kVA	80	7.00
HT I: Time of Day Tariffs (6 AM to 10 AM)			
11 kV			7.65
33 kV			7.15
132 kV and above			6.65
HT I: Time of Day Tariffs (6 PM to 10 PM)			
11 kV			7.65
33 kV			7.15
132 kV and above			6.65
HT I: Time of Day Tariffs (10 PM to 6 AM)			
11 kV			5.65
33 kV			5.15
132 kV and above			4.65
HT I (A): Poultry Farms - Time of Day Tariffs (6 AM to 10 AM)			

Category	Fixed/Demand Charge (INR/Month)		Energy Charge
	Unit	Rate	(INR/Unit)
11 kV			5.65
33 kV			5.15
HT I (A): Poultry Farms - Time of Day Tariffs (6 PM to 10 PM)			
11 kV			5.65
33 kV			5.15
HT I (A): Poultry Farms - Time of Day Tariffs (10 PM to 6 AM)			
11 kV			3.65
33 kV			3.15
HT I(B):Ferro Alloy Units			
11 kV			5.90
33 kV			5.50
132 kV and above			5.00
HT II OTHERS			
11 kV	kVA	390	7.80
33 kV	kVA	390	7.00
132 kV and above	kVA	390	6.80
HT II: Time of Day Tariffs (6 AM to 10 AM)			
11 kV			8.80
33 kV			8.00
132 kV and above			7.80
HT II: Time of Day Tariffs (6 PM to 10 PM)			
11 kV			8.80
33 kV			8.00
132 kV and above			7.80
HT II: Time of Day Tariffs (10 PM to 6 AM)			
11 kV			6.80
33 kV			6.00
132 kV and above			5.80
HT III AIRPORTS, BUS STATIONS AND RAILWAY STATIONS			
11 kV	kVA	390	7.50
33 kV	kVA	390	6.85
132 kV and above	kVA	390	6.45
HT III: Time of Day Tariffs (6 AM to 10 AM)			
11 kV			8.50
33 kV			7.85
132 kV and above			7.45
HT III: Time of Day Tariffs (6 PM to 10 PM)			
11 kV			8.50
33 kV			7.85
132 kV and above			7.45
HT III: Time of Day Tariffs (10 PM to 6 AM)			
11 kV			6.50
33 kV			5.85
132 kV and above			5.45
HT IV (A) IRRIGATION AND AGRICULTURE			

Category	Fixed/Demand Charge (INR/Month)		Energy Charge
	Unit	Rate	(INR/Unit)
11 kV			6.40
33 kV			6.40
132 kV and above			6.40
HT IV(B) CP Water Supply Schemes			
11 kV			5.10
33 kV			5.10
132 kV and above			5.10
HT V (A) Railway Traction	kVA	390	4.05
HT V (B) HMR	kVA	390	3.95
HT VI Townships & Residential Colonies			
11 kV	kVA	60	6.30
33 kV	kVA	60	6.30
132 kV and above	kVA	60	6.30
HT VII: Temporary			
11 kV	kVA	500	10.80
33 kV	kVA	500	10.00
132 kV and above	kVA	500	9.80
HT VIII: RESCO			
11 kV			1.00

CHAPTER 8- TERMS AND CONDITIONS OF TARIFF

- 8.1. Applicable with effect from 01.09.2017 to 31.03.2018 in respect of the two Distribution Licensees in the state of Telangana (i.e. TSSPDCL and TSNPDCL) and also Sircilla RESCO.
- 8.2. 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) will be extra as applicable as notified by the Commission from time to time.
 - The Tariffs are exclusive of the Electricity duty payable as per the provisions of the AP Electricity Duty Act as adopted by the Government of Telangana.

Part 'A' LT-Tariffs

System of supply	Low Tension A.C. 50 Cycles Three Phase Supply at 415 Volts Single Phase supply at 240 Volts
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- 8.3. 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 up to 75 kW/ 100 HP will be treated as LT, for LT-III Industrial category).

LT-I: Domestic Applicability

- 8.4. This tariff is applicable for supply of electricity for lights, fans and other domestic purposes to domestic premises. *Domestic establishment /Premises is one which is used for dwelling/ residential purpose.*

Explanation: For domestic category, the households having a separate kitchen will be treated as a separate establishment.

- 8.5. The LT Domestic consumers are divided broadly into two groups, Viz. LT-I (A), LT-I (B).
- The sub category LT I (A) shall be applicable to the consumers having consumption not exceeding 100 units per month.
 - The sub category LT-I (B) has been further sub-divided into LT-I (B)(i) and LT-I (B)(ii).
 - LT-I (B)(i) shall be applicable to the consumer with consumption of 100 units and above but not exceeding 200 units per month.
 - LT-I (B)(ii) shall be applicable to the consumer having consumption of 200 units and above per month.
- 8.6. The consumer shall be billed electricity charges as shown below:

Category	Fixed Charge		Energy Charge
	(INR/ month)		INR/kWh
	Unit	Rate	
LT I: Domestic			
LT I (A): Not exceeding 100 Units/Month			
0-50			1.45
51-100			2.60
LT I (B)(i): Above 100 Units/Month & not exceeding 200 Units/Month			
0-100			3.30
101-200			4.30
LT I (B)(ii): Above 200 Units/Month			
0-200			5.00
201-300			7.20
301-400			8.50
401-800			9.00
Above 800 units			9.50

8.7. Subject to monthly minimum energy charges of

Single phase supply:

Contracted load up to 1 kW: INR 25 per month

Contracted load above 1 kW: INR 50 per month

Three phase supply: INR 150 per month

LT-II: Non-Domestic/ Commercial

8.8. This category has been sub-divided into LT-II (A), LT II (B), LT II (C) and LT II (D).

LT-II (A) and LT-II (B)

Applicability

- A consumer who undertakes Non-Domestic activity.
- A consumer who undertakes Commercial activity.
- A consumer who does 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. For example, shops, business houses, offices, public buildings, hospitals, hostels, hotels, choultries, restaurants, clubs, theatres, cinema halls, bus stands and attached offices, railway stations, timber depots, photo studios, printing presses, all servicing & repairing centres (other than that of TSRTC), bus depots (other than that of TSRTC), laundries, dry cleaning units, gas/oil storage/transfer stations, warehouses, godowns (other than cold storage godowns), storage units or of such similar nature.
- Educational institutions run by individuals, Non-Government Organizations or Private

Trusts including student hostels of such educational institutions.

8.9. The sub category LT-II (A) shall be applicable to the consumers having consumption not exceeding 50 units per month.

8.10. The sub category LT II (B) shall be applicable to the consumers having consumption of 50 units and above per month.

8.11. The consumer shall be billed electricity charges as shown below

Category	Fixed Charge (INR/ month)		Energy Charge
	Unit	Rate	INR/kWh
LT II: Non-Domestic/Commercial			
LT II (A): Not exceeding 50 Units/Month			
0-50	kW	50	6.00
LT II (B): Above 50 Units/Month			
0-100	kW	60	7.50
101-300	kW	60	8.90
301-500	kW	60	9.40
Above 500	kW	60	10.00

Monthly minimum energy charges INR 65 per month for single phase supply
INR 200 per month for three phase supply

**LT-II (C): Advertising hoardings
Applicability**

8.12. Electricity supply availed of through a separate (independent) connection 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.

8.13. The consumer shall be billed electricity charges as shown below:

Category	Fixed Charge (INR/ month)		Energy Charge
	Unit	Rate	INR/kWh
LT II (C): Advertisement Hoardings	kW	60	12

Subject to a monthly minimum energy charge of INR 300 per month.

**LT-II (D): Hair cutting Salons
Applicability**

8.14. The tariff is applicable for supply of electricity to hair cutting salons with consumption not

exceeding 200 units per month. For consumers whose consumption exceeds 200 units per month shall be billed under LT-II (B) sub-category.

8.15. The consumer shall be billed electricity charges as shown below

Category	Fixed Charge		Energy Charge
	(INR/ month)		
	Unit	Rate	INR/kWh
LT II (D): Haircutting salons consuming not exceeding 200 units/ month			
0-50	kW	60	5.30
51-100	kW	60	6.60
101-200	kW	60	7.50

Monthly minimum energy charges INR 65 per month for single phase supply
INR 200 per month for three phase supply

LT-III: Industry
Applicability

8.16. The tariff is applicable for supply of electricity to Low Tension Industrial consumer 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.

8.17. This tariff shall also apply to:

- i. Water Works & Sewerage Pumping Stations operated by the 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 and Drinking Water filtering plants using only Reverse Osmosis (R.O.) process.
- ii. Workshops (involving activity of manufacturing), bus depots of TSRTC, servicing and repairing centres of TSRTC, 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 the Government of Telangana State.
- iv. Newspaper printing unit.
- v. Poultry Farming Units.
- vi. Pisciculture and Prawn culture units.
- vii. Mushroom production units, Rabbit Farms, Sheep Farms and Goat Farms other than those coming under LT-IV with load exceeding 10 HP.

viii. Sugar cane crushing.

8.18. The tariff rates for LT-III: Industry are shown below

Category	Fixed Charge (INR/ month)		Energy Charge
	Unit	Rate	INR/kWh
LT III: Industry			
Industries	kW	60	6.70
Pisciculture / Prawn culture	kW	21	5.20
Sugarcane crushing	kW	21	5.20
Poultry farms	kW	50	4.00
Mushroom, Rabbit, Sheep and Goat farm	kW	60	6.30
<ul style="list-style-type: none"> • 1 HP = 0.75 kW • For the purpose of billing, 1 kVA shall be treated as being equal to 1 kW. 			

- Where 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 service.
- No manufacturing/ production certification shall be required for drinking water filtering plants using Reverse Osmosis (R.O.) process.

Rates for seasonal industries under LT-III

8.19. Where a consumer avails supply of energy under LT- 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 if the main plant is regularly closed down during certain months of the tariff year, such consumer 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.

8.20. The LT-III off-season tariff rates are

Fixed charge

On 30% of contracted load INR 60/ kW/ Month

Energy charges

For energy consumed at kVAh or kWh: INR 7.40

- If the metering is on HT side, 1% of total energy consumed shall be deducted from recorded energy for the purpose of billing.

LT-IV (A): Cottage Industries

Applicability

8.21. 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, Phenyl 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.

8.22. The consumer shall be billed electricity charges/tariff as shown below

Category	Fixed Charge (INR/ month)		Energy Charge (INR/ kWh)
	Unit	Rate	
LT IV (A): Cottage Industries	kW	INR 20/- per month per kW of contracted load subject to a minimum of INR 30/- per month	4.00
Note: Units which exceed 10 HP connected load shall be billed at tariff specified for LT-III Industry category.			

LT-IV (B): Agro Based Activities
Applicability

8.23. This tariff is applicable to bonafide (as certified by DE/Operations) small-agro based industrial units located in rural areas covering Sisal fibre extraction co-operative units, Vermiculture, Sericulture, Mushroom growing, Rabbit farming, Sheep farming, Goat farming, Emu Birds farming, Apiculture (honey making), Chaff-cutting, Millets making and Dairy farming activities, with connected load upto 10 HP (including incidental lighting load).

8.24. The consumer shall be billed electricity charges/tariff as shown below

Category	Fixed Charge (INR/ month)		Energy Charge (INR/ kWh)
	Unit	Rate	
LT IV (B): Agro Based Activities	kW	INR 20 /- per month per kW of contracted load subject to a minimum of INR 30/- per month	4.00
Note: Units which exceed 10 HP connected load shall be billed at tariff specified for LT-III Industry category.			

LT-V: Agricultural
Applicability

LT-V (A): Agricultural

8.25. This tariff shall apply to the following:

8.25.1. Corporate Farmer (includes poly-houses/ green-houses):

- A consumer registered under the Companies Act 1956 or 2013
- A consumer who is a partnership firm or a Limited Liability Partnership

- Association of persons, Co-operative society and Body of Individuals
- Any permanent Reinforced Cement Concrete (RCC) roof structures not exclusively used for the purposes of farming or storage and located in the farm lands such as farm houses or any other place of dwelling shall be charged in accordance with applicable tariffs.

8.25.2. Other than Corporate Farmer: Individual farmer or Joint Family Farmer including poly-houses/green-houses who are individuals or joint families.

8.26. The charges applicable to LT-V (A): Agricultural **with mandatory DSM measures** are shown below:

Category	Fixed Charge (INR/ year)		Energy Charge (INR/ kWh)
	Unit	Rate	
LT V (A): Agricultural			
Corporate Farmer	HP		2.50
Other than Corporate Farmer	HP		0.00

8.27. The charges/tariff applicable for **LT-V (B): Others** are shown below

Category	Fixed Charge (INR/ month)		Energy Charge (INR/ kWh)
	Unit	Rate	
LT V (B): Others			
Horticulture Nurseries with CL up to 15 HP	HP	20	4.00

Explanation: Horticulture Nurseries with connected load of more than 15 HP shall be billed under LT-III: Industry (General) tariff.

LT-VI: Street lighting and PWS schemes **Applicability**

8.28. Applicable for supply of energy for lighting on public roads, streets, thoroughfares 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.

8.29. The charges for LT-VI (A): Street lighting are as shown below

Category	Fixed Charge (INR/ month)		Energy Charge (INR/kWh)
	Unit	Rate	
LT VI (A): Street Lighting			
Panchayats	kW	32	6.10
Municipalities	kW	32	6.60

Municipal Corporations	kW	32	7.10
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8.30. The charges/tariff for LT-VI (B): PWS schemes are as shown below

Category	Fixed Charge (INR/ month)		Energy Charge (INR/ kVAh or INR/ kWh)
	Unit	Rate	
LT VI (B): PWS Schemes			
Panchayats	HP	INR 32/HP of contracted load subject to a minimum of INR 50.	5.00
Municipalities	HP	INR 32/HP of contracted load subject to a minimum of INR 100.	6.10
Municipal Corporations	HP	INR 32/HP of contracted load subject to a minimum of INR 100.	6.60

LT-VII: General

LT-VII (A): General purpose

Applicability

8.31. Applicable for supply of energy to places of worship like Churches, Temples, Mosques, Gurudwaras, Crematoriums which are not covered under LT-VII (B), 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.

8.32. The charges applicable are shown below.

Category	Fixed Charge (INR/ month)		Energy Charge (INR/ kVAh or INR/ kWh)
	Unit	Rate	
LT VII (A): General Purpose	kW	21	7.30
Note: Trivector meters shall be provided for all 10 kW and above load 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.			

Monthly minimum energy charges:
supply

INR 50 per month for single phase

INR 150 per month for three phase
supply

LT-VII (B): Wholly Religious places

Applicability

8.33. Applicable for supply of energy to places of worship (namely Churches, Temples, Mosques, Gurudwaras) and Crematoriums.

Applicability of this category shall be subject to the following conditions:

- The religious institution owning the place of worship should run such place of

worship on no profit basis.

- ii. The religious institution should be registered under the Income Tax Act, 1961.
- iii. The premise for the place of worship shall be structurally distinct from the premises running the activities other than the places of worship.
- iv. The premise for the purpose shall not be owned by any individual (name) but shall be owned by a religious institution or association of a community i.e. a class of persons not less than 15 distinct individuals, having their names registered under one place of worship only.

8.34. Premises with a connected load of more than 2 kW shall also be covered but consumption shall not exceed 500 units in any month, otherwise they will be billed under the LT-VII (A) General Purpose category.

8.35. The charges/tariff applicable are shown below.

Category	Fixed Charge (INR/ month)		Energy Charge (INR/ kWh)
	Unit	Rate	
LT VII (B): Wholly Religious Places			
Load upto 2 kW	kW	21	5.40
Load above 2 kW	kW	21	6.00
Note: Trivector meters shall be provided for all 10 kW and above load 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.			

8.36. Minimum monthly charges shall not be levied on this sub-category.

LT-VIII: Temporary supply Applicability

8.37. Construction activities like construction of all types of structures/infrastructure such as residential /commercial buildings (height of 10 meters and above), bridges, fly-overs, dams, power stations, roads, aerodromes, tunnels for laying of pipelines, etc. The relevant tariff for temporary supply shall be applicable during the phase of construction.

8.38. Exhibitions, Circuses, Outdoor film shootings, Touring talkies, Make-shift pandals for festivals, Make shift pandals for public gatherings and such other similar activities that are set up in open areas with no permanent structure.

8.39. For buildings above 10 meters height regular supply shall be provided with a regular supply upon submission of occupancy certificate / completion certificate as per Para 21 of Hyderabad Revised Building Rules, 2006 issued vide erstwhile Andhra Pradesh G.O.Ms.No.86 dated 03.03.2006 or by any other municipal authority in the State of Telangana and on payment of the required charges.

8.40. The charges applicable are shown below

Category	Fixed Charge (INR/ month)		Energy Charge (INR/ kWh)
	Unit	Rate	
LT VIII: Temporary Supply	kW	21	11.00
Note: Trivector meters shall be provided for all 10 kW and above load 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.			

8.41.A monthly minimum energy charge at INR 125 per kW or part thereof of the contracted load for first 30 days or part thereof and for every subsequent period of 15 days or part thereof a charge of INR 75 per kW to be levied.

Terms and conditions of LT supply

8.42.General conditions of LT tariff

- Fuel Surcharge Adjustment (FSA) shall be extra as applicable and as notified by the Commission from time to time.
- For Categories LT-I, II and VII supply shall be extended on a single phase only up to 5 kW of Contracted Load.
- The Tariffs are exclusive of Electricity duty payable as per the provisions of the AP Electricity Duty Act as adopted by the Government of Telangana State.
- 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.

8.43.Additional charges for belated payments of charges

- The C.C. bills shall be paid by the consumers within the due date mentioned in the bill, i.e., 15 days from and including the date of the bill.
- If payment is made after due date in case of LT- I (A), LT-I (B), LT-II(A),LT-II(D), LT-IV and LT-V (C), , 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)	INR 10 per month
LT-I (B), LT-II (A), LT-II (D), LT-IV and LT-V (B)	INR 25 per month

- In case of 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 paisa/ INR 100/ day calculated from the due date mentioned on the bill, up to the date of payment or INR 150/- whichever is higher. In case of grant of instalments, 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.
- Where the C.C. bills amount is not paid within 15 days from the due date the power supply is liable for disconnection.

- v. For re-connection of power supply after disconnection, the consumer has to pay reconnection fee. The re-connection charges shall not be collected without actual disconnection.

Category wise specific conditions of LT tariff

LT-I: Domestic

8.44. Where electricity supplied to domestic premises is required to be used for non-domestic or commercial purposes, a separate connection should be taken for such loads under LT-II category, failing which the entire supply shall be charged at LT-II category tariff, apart from liability for penal charges as per the terms and conditions of the supply.

8.45. 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 LT-I (B)(ii) if the plinth area occupied by the domestic consumers is 50% or more of the total plinth area.
- ii. At LT-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 shall be charged at LT-I (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 of LT-I and/or LT III to VIII, it shall be charged at LT-II (A), II (B) or II (D) Non-Domestic/Commercial as applicable.

8.46. 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/ 75 HP 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.
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.
- ii. The consumers shall be billed at the appropriate slab rate in tariff, based on the average monthly consumption per dwelling unit in the complex.
- iii. Meter reading shall be taken monthly in all such cases.
- iv. Customer charges calculated at corresponding rate applicable slab-wise per month

for each dwelling unit shall be billed.

8.47. Where an individual consumer seeks to avail of 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-I (B)(ii).

LT-II: Non-Domestic/ Commercial

8.48. For loads 10 kW and above, a LT tri-vector meter shall be provided and energy charges shall be billed on kVAh.

8.49. For loads below 10 kW, the billing shall be based on kWh only.

8.50. In respect of the complexes having connected load of more than 56 kW / 75 HP released under specific orders of Licensee for a Single Point Bulk supply, where such complex is under the control of a specified organization/ agency taking responsibility to pay monthly current consumption bills regularly and abide by the Terms and Conditions of supply as per the 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. 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.

LT-III: Industry

8.51. 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 the 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.

8.52. **Sugarcane Crushing:** Sugar cane crushing operations will be allowed under the existing agricultural connections with the specific permission from DE (Operation) concerned.

8.53. 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 shall 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 15 kW/ 20 HP, billing shall be done based on kWh.

- iv. Where 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-I (11 kV supply).
- v. 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.

Seasonal industries

8.54. Consumers, classified as seasonal load consumers, who are desirous of availing of the seasonal benefits shall specifically declare their season at the time of entering into the agreement that their loads should be classified as seasonal loads.

8.55. The period of season shall not be less than 4(four) continuous months. However, consumer can declare a longer seasonal period as per actuals.

8.56. 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.

8.57. A 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.

8.58. The seasonal period once notified cannot be changed, during one Tariff year.

8.59. The off-season tariff is not available to composite units having seasonal and other categories of loads.

8.60. 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.

8.61. Development charges as applicable to regular LT consumers shall be paid by the consumers for availing of supply under the above said category with seasonal benefits. The consumers who have paid the development charges already as regular consumers need not pay the development charges.

LT-V: Agriculture

8.62. 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.

8.63. Supply to the L.T. Agricultural services will be suitably regulated as notified by the Licensee from time to time.

8.64. DSM Measures includes frictionless foot valve, capacitor of adequate rating, HDPE or RPVC piping at suction and/or delivery and ISI marked mono-block or submersible pump set.

8.65. All new connections shall be given only if the farmer uses a five (5) star rated pump and complies with the DSM measures and with meters.

LT-VI: Street lighting and PWS scheme

LT-VI (A): Street lighting

8.66. The cost of fittings shall be borne or paid for by the Local bodies. The responsibility for maintenance including renewals and replacements rests with the Local bodies viz., Panchayats, Municipalities, Municipal Corporations etc.,

8.67. Where the cost of fittings is borne by the Licensee, the first supply of filament lamps, fluorescent tubes, mercury vapor 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. However, where the cost of fittings is borne by the consumer but maintenance is done by the Licensee, the consumer will have to pay the fixed charges. The details of the fixed charges to be paid in each case are detailed below:

S. No.	Fittings for	Fixed charges Per Month where the cost of fittings is borne by Licensee	Fixed charges per month where the cost of fittings is borne by the Local Body but maintenance by Licensee
		INR	INR
1	Ordinary Filament Lamp	2	1
2	Fluorescent Lamp 40 W Single Fixture	7	4
3	Fluorescent Lamp 40 W Double Fixture	8	4
4	M.V. Lamps 80 W Fixture	12	6
5	M.V. Lamps 125 W Fixture	15	8
6	M.V. Lamps 250 W Fixture	45	23
7	M.V. Lamps 400 W Fixture	50	25

8.68. The replacement of filament lamps, fluorescent tubes, mercury vapor 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 for labour charges at the rate of INR 2 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 the 'Rural Area'.

8.69.**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 the supply.

LT-VIII: Temporary supply

8.70. Temporary supply can be given on the request of a consumer initially for a period of up to one year as per the tariff applicable under the temporary supply category. After the expiry of one year, the consumer is at liberty to seek further extension.

8.71. 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 miscellaneous charges is also to be paid.

8.72. Estimated cost of the works means the cost of works for making the 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.

8.73.(a) Estimated cost of the works, as detailed 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 shall 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 of 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 shall be claimed along with the consumption bills.

8.74.(a) The consumer requiring supply on temporary basis shall be required to deposit in advance, in addition to the estimated cost of works, 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 six (6) hours per day for a period of two (2) months in case the supply is required for more than ten (10) days. If the period of temporary supply is for ten (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 above in 74(a). The consumers have to pay monthly CC charges regularly during the period of availing of 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 three (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.

8.75. 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.

8.76. Regular consumers requiring temporary additional supply: In cases where consumers availing of 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.

Other charges in LT

Service connection charges

8.77. The service connection charges shall be collected as per the Regulations issued by the Commission from time to time. Service connection wires for LT-V Irrigation and Agricultural purposes shall be laid collecting an amount of INR 25/- per HP of contracted load towards service connection charges.

Reconnection

LT service	
LT-I (A)	INR 25
Overhead LT services	INR 75
U.G. services	INR 200

Testing

Installation	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	INR 20
Meter	Charges
A.C. Single Phase Energy meter	INR 100

A.C. Three Phase Energy meter	INR 300
LT Tri Vector meter	INR 2,000

Service calls

Charges for attendance of fuse man for Low Tension Consumers	Charges
i. Replacing of Licensee's cut out fuses	Nil
ii. Replacing of consumer's fuses	INR 3
Charges for attendance of fuse man/ Wireman at the consumer's premises during any function or temporary illumination provided a Fuse man/ Wireman can be spared for such work	INR 100 for each day or part thereof.
Charges for infructuous visit of Licensee employees to the consumer's premises	INR 25 for each visit when there is no defect in Licensee's equipment

Miscellaneous charges

Application Registration Fees	Charges
i. For LT Agricultural & Domestic	INR 25
ii. For all other LT Categories	INR 50
Revision of estimates	INR 10
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.	INR 20
Resealing of	
i. LT Meter Cut outs in the consumer's Premises	INR 5
ii. M.D. Indicator meters and other apparatus in the consumer's premises. For all other LT Categories	INR 100
The aforesaid charges do not include the additional charges payable by the consumer for breaking the seals	
For changing meter only at the request of the consumer (where it is not necessitated by increase in demand permanently)	INR 25
For changing or moving a meter board	Actual cost of material and labour plus 25% supervision charges on cost of materials and labour
Customer charges	
Consumer category	INR/ month
LT-I: Domestic (Units/ month)	
0-50	INR 25
51-100	INR 30
101-200	INR 50
201-300	INR 60
301-400	INR 80
401-800	INR 80

Above 800 units	INR 80
LT-II: Non-Domestic/ Commercial (Units/month)	
0-50	INR 45
51-100	INR 55
101-300	INR 65
301-500	INR 65
Above 500 units	INR 65
LT-II (C): Advertisement Hoardings	INR 70
LT-II (D): Hair cutting Salons with consumption upto 200 units per month	
0-50	INR 45
51-100	INR 55
101-300	INR 65
LT-III: Industry up to 20 HP	INR 75
LT-III: Industry 21-50 HP	INR 300
LT-III: Industry 51-100 HP	INR 1125
LT IV: Cottage Industries	INR 45
LT V: Agriculture	INR 30
LT VI: Street Lighting& PWS	INR 50
LT-VII: General purpose	INR 60
LT-VIII: Temporary supply	INR 65
Urgency charges for temporary supply at short notice	INR 100
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.
Supervision/Inspection & checking charges	Charges
i. For LT I(A) Domestic	INR 100
ii. For LT I(B) Domestic	INR 100
iii. LT Agricultural	INR 100
iv. For all other LT Categories	INR 100

Miscellaneous works in LT

8.78.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.

Power factor apparatus and capacitor surcharge for LT

8.79.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.

8.80. 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.

8.81. 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 at 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.

8.82. 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 maintains the power factor less than 0.95 lead for a period of 2 consecutive months, it must be brought back in the range of ± 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.

Part 'B' **HT-Tariffs**

8.83. These tariffs are applicable for supply of Electricity to HT 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 of more than 100 HP, the HT tariffs are applicable.

HT-I: Industry Applicability

8.84. This tariff is applicable for supply to all HT 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.

8.85. This tariff shall also apply to:

- i. Water Works & Sewerage Pumping Stations operated by the 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 (involving activity of manufacturing), bus depots of TSRTC, servicing and repairing centres of TSRTC, cold storages, flour mills, oil mills, saw mills, Ice candy, Ice manufacturing units with or without sale outlets.
- iii. These shall not be included in HT I (A) category: All servicing & repairing centres other than that of TSRTC, bus depots other than that of TSRTC, gas/ oil storage/transfer stations, warehouses/ godowns/ storage units (except for cold storages), etc.
- iv. The Information Technology (IT) units identified and approved by the Consultative Committee on IT Industry (CCITI) constituted by Government Telangana State.
- v. Newspaper printing units.
- vi. Poultry Farming Units.
- vii. Pisciculture and Prawn culture units.

HT-I (A): Industry – General

8.86. A time of day tariff of INR. 1.00 per kVAh in addition to the normal energy charges at respective voltages is applicable during peak hours of 06:00 am to 10:00 am and 06:00 pm to 10:00 pm. Similarly, a reduction in tariff of (incentive) of INR 1.00 per kVAh to the normal energy charges at respective voltages is applicable during the night time i.e. from 10:00 pm to 06:00 am. The normal energy charges for respective voltages are applicable during 10:00 am to 06:00 pm.

8.87. The normal energy charges applicable (for this category **other than Poultry farms**) between 10:00 am and 06:00 pm are as follows.

Category	Demand Charge* (INR/month)		Energy Charge (INR/kVAh)
	Unit	Rate	
HT I(A): Industry General			
11 kV	kVA	390	6.65
33 kV	kVA	390	6.15
132 kV and above	kVA	390	5.65
* Demand charge is calculated at INR/ kVA/ month of the Billing Demand			

8.88. The energy charges applicable (for this category other than Poultry farms) during the peak hours and night time hours are shown below.

Category	Demand Charge (INR/ month)		Energy Charge (INR/ kVAh)
	Unit	Rate	

HT I: Time of Day Tariffs (6 AM to 10 AM)			
11 kV			7.65
33 kV			7.15
132 kV and above			6.65
HT I: Time of Day Tariffs (6 PM to 10 PM)			
11 kV			7.65
33 kV			7.15
132 kV and above			6.65
HT I: Time of Day Tariffs (10 PM to 06 AM)			
11 kV			5.65
33 kV			5.15
132 kV and above			4.65

HT-I (A): Industry – General – Optional Category for contract maximum demand upto 150 kVA

8.89. This Optional category is applicable to HT-I –Industry-General consumers whose contracted maximum demand is up to 150 kVA and availing supply at 11 kV only. The consumers who qualify under this category are free to opt to remain under HT-1(A) or choose this Optional sub-category.

8.90. The charges applicable are as follows.

Category	Demand Charge* (Rs./ month)		Energy Charge (Rs./ kVAh)
	Unit	Rate	
HT I(A): Industry – General – Optional Category for contract maximum demand upto 150 kVA			
11 kV	kVA	80	7.00

* Demand charge is calculated at INR/ kVA/ month of the Billing Demand

HT-I (A): Industry – General - Poultry farms

8.91. A time of day tariff of INR 1.00 per kVAh in addition to the normal energy charges at respective voltages is applicable during the peak hours of 06:00 am to 10:00 am and 06:00 pm to 10:00 pm. Similarly, a reduction in tariff (incentive) of INR 1.00 per kVAh to the normal energy charges at respective voltages is applicable during the night time i.e. from 10:00 pm to 06:00 am. The normal energy charges for respective voltages are applicable during 10:00 am and 06:00 pm.

8.92. The normal energy charges applicable for Poultry farms, between 10:00 am and 06:00 pm are as follows.

Category	Demand Charge * (INR/ month)		Energy Charge (INR/ kVAh)
	Unit	Rate	
HT I(A):Poultry Farms			
11 kV	kVA	390	4.65
33 kV	kVA	390	4.15

* Demand charge is calculated at Rs./ kVA/ month of the Billing Demand

8.93. The energy charges applicable for Poultry farms, during the peak hours and night time hours is shown below.

Category	Demand Charge		Energy Charge (INR/ kVAh)
	Unit	Rate	
HT I: Time of Day Tariffs (6 AM to 10 AM)			
11 kV			5.65
33 kV			5.15
HT I: Time of Day Tariffs (6 PM to 10 PM)			
11 kV			5.65
33 kV			5.15
HT I: Time of Day Tariffs (10 PM to 06 AM)			
11 kV			3.65
33 kV			3.15

Colony consumption

8.94. 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 INR 6.30 per kVAh.

8.95. In case segregation of colony consumption has not been done, 15% of the total energy consumption shall be billed at INR 6.30 per kVAh and the balance kVAh shall be charged at the corresponding energy tariff under HT-I (A): Industry - General.

8.96. Wherever possible colonies of Industry shall be given a separate HT service under HT-VI: Townships and Residential Colonies.

HT-VI: Townships and Residential Colonies.

Seasonal Industries coming under HT-I (A)

8.97. 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 the main plant is regularly closed down during certain months, such consumer shall be charged for the months during which the plant is shutdown (which period shall be referred to as the **off-season period**) as follows.

Category	Demand Charge* (INR/ month)		Energy Charge (INR/ kVAh)
	Unit	Rate	
HT I(A): Seasonal Industries			
11 kV	kVA	390	7.60
33 kV	kVA	390	6.90
132 kV and above	kVA	390	6.70

Category	Demand Charge* (INR/ month)		Energy Charge (INR/ kVAh)
	Unit	Rate	
* Demand charge is calculated at Rs./ kVA/ month of the Billing Demand. Billing Demand is based on Recorded Maximum Demand or 30% of the Contracted Demand whichever is higher.			

HT-I (B): Ferro Alloys

Category	Demand Charge * (INR/ month)		Energy Charge (INR/ kVAh)
	Unit	Rate	
HT I(B):Ferro Alloy Units			
11 kV			5.90
33 kV			5.50
132 kV and above			5.00
* Demand charge is calculated at Rs./ kVA/ month of the Billing Demand			

**HT-II: Others
Applicability**

8.98. This tariff is applicable to:

- a) All HT Consumers other than those covered under HT Categories I and III to VII.
- b) Consumers who undertake Non Domestic activity,
- c) Consumers who undertake Commercial activity,
- d) Consumers who avail supply of energy for lighting, fans, heating, air conditioning and power appliances in Commercial or Non-Domestic premises. For example shops, business houses, offices, public buildings, hospitals, hostels, hotels, choultries, restaurants, clubs, theatres, cinema halls, bus stands and attached offices, railway stations, timber depots, photo studios, printing presses, all servicing & repairing centres (other than that of TSRTC), bus depots (other than that of TSRTC), laundries, dry cleaning units. Gas/oil storage/transfer stations, warehouses, godowns (other than cold storage godowns), storage units or of similar nature and
- d) Educational institutions run by individuals, Non-Government Organizations or Private Trusts and their student hostels are also classified under this category.

8.99. A time of day tariff of INR 1.00 per kVAh in addition to the normal energy charges at respective voltages is applicable during peak hours of 06:00 am to 10:00 am and 06:00 pm to 10:00 pm. Similarly, a reduction in tariff (incentive) of INR 1.00 per kVAh to the normal energy charges at respective voltages is applicable during the night time i.e. from 10:00 pm to 06:00 am. The normal energy charges for respective voltages are applicable during 10:00 am to 06:00 pm.

8.100. The normal energy charges applicable for HT-II Others, between 10:00 am and 06:00 pm are as follows.

Category	Demand Charge * (INR/ month)		Energy Charge (INR/ kVAh)
	Unit	Rate	
HT II Others			
11 kV	kVA	390	7.80
33 kV	kVA	390	7.00
132 kV and above	kVA	390	6.80
* Demand charge is calculated at Rs./ kVA/ month of the billing demand			

8.101. The energy charges applicable for HT-II Others, during the peak hours and night time hours is shown below.

Category	Demand Charge		Energy Charge (INR/ kVAh)
	Unit	Rate	
HT II: Time of Day Tariffs (6 AM to 10 AM)			
11 kV			8.80
33 kV			8.00
132 kV and above			7.80
HT II: Time of Day Tariffs (6 PM to 10PM)			
11 kV			8.80
33 kV			8.00
132 kV and above			7.80
HT II: Time of Day Tariffs (10 PM to 06 AM)			
11 kV			6.80
33 kV			6.00
132 kV and above			5.80

Explanation: 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 and the crematoriums operated and maintained by the local bodies, the overall kVAh rate (including customer charges) may be limited to the tariff rates under LT-VII: General purpose, in specific cases as decided by the Licensee.

HT-III: Airports, Railway stations and Bus stations Applicability

8.102. This tariff is applicable to Airports, Railway stations and Bus stations.

8.103. A time of day tariff of INR 1.00 per kVAh in addition to the normal energy charges at respective voltages is applicable during peak hours of 06:00 am to 10:00 am and 06:00 pm to 10:00 pm. Similarly, a reduction in tariff (incentive) of INR 1.00 per kVAh to the normal energy charges at respective voltages is applicable during the night time i.e. from 10:00 pm to 06:00 am. The normal energy charges for respective voltages are applicable during 10:00 am to 06:00 pm.

8.104. The normal energy charges applicable for HT-III Airports, Railway stations and Bus

stations, between 10:00 am to 06:00 pm are as follows.

Category	Demand Charge* (INR/ month)		Energy Charge (INR/ kVAh)
	Unit	Rate	
HT III Airports, Bus stations and Railway stations			
11 kV	kVA	390	7.50
33 kV	kVA	390	6.85
132 kV and above	kVA	390	6.45
* Demand charge is calculated at INR/ kVA/ month of the Billing Demand			

8.105. The energy charges applicable for HT-III Airports, Railway stations and Bus stations, during the peak hours and night time hours is shown below.

Category	Demand Charge (INR/ month)		Energy Charge (INR/ kVAh)
	Unit	Rate	
HT III: Time of Day Tariffs (6 AM to 10 AM)			
11 kV			8.50
33 kV			7.85
132 kV and above			7.45
HT III: Time of Day Tariffs (6 PM to 10 PM)			
11 kV			8.50
33 kV			7.85
132 kV and above			7.45
HT III: Time of Day Tariffs (10 PM to 06 AM)			
11 kV			6.50
33 kV			5.85
132 kV and above			5.45

HT-IV: Irrigation & CPWS

HT-IV (A): Lift irrigation Applicability

8.106. This tariff is applicable to lift irrigation schemes managed by the Government of Telangana State and for consumers availing of HT supply for Irrigation and Agricultural purposes.

Category	Demand Charge* (INR/ month)		Energy Charge (INR/ kVAh)
	Unit	Rate	
HT IV(A): Irrigation and Agriculture			
11 kV			6.40
33 kV			6.40
132 kV and above			6.40
* Demand charge is calculated at INR/ kVA/ month of the Billing Demand			

**HT-IV (B): Composite Protected Water Supply schemes
Applicability**

8.107. This tariff is applicable to energy consumption by HT services pertaining to Composite Protected Water Supply (CPWS) schemes in rural areas. The composite PWS schemes shall be as defined and modified by the Commission from time to time.

Category	Demand Charge * (INR/ month)		Energy Charge (INR/ kVAh)
	Unit	Rate	
HT IV(B): CPWS			
11 kV			5.10
33 kV			5.10
132 kV and above			5.10
* Demand charge is calculated at INR/ kVA/ month of the Billing Demand			

Subject to a minimum charge of INR 300/ kVA/ year.

HT-V: Railway traction

**HT-V (A): Railway Traction
Applicability**

8.108. This tariff is applicable to HT Railway Traction (other than Hyderabad Metro Rail traction load).

Category	Demand Charge * (INR/ month)		Energy (INR/ kVAh)
	Unit	Rate	
	HT V (A) Railway Traction	kVA	
* Demand charge is calculated at INR/ kVA/ month of the Billing Demand			

**HT-V (B): Hyderabad Metro Rail
Applicability**

8.109. This tariff is available for HMR to run its operations (other than construction projects) to the extent of following:

- Traction load.
- Access pathways to the station such as elevators, staircases (including escalators) and platforms used for the purposes of boarding the train.
- Enabling areas such as ticket counters, station office, operation/control rooms, depots and public washrooms located within the station premises (excluding areas allotted for vehicle parking).

Category	Demand Charge * (INR/ month)	Energy Charge (INR/ kVAh)
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	Unit	Rate	
HT V (B) HMR	kVA	390	3.95
* Demand charge is calculated at INR/ kVA/ month of the Billing Demand			

Explanation: The commercial load (other than that in the above clause) at HMR stations and other HMR premises including any retail counters that are set up under the Telangana Shops and Establishments Act, 1988 shall be metered and billed separately as per the relevant tariff category.

HT-VI: Townships and residential colonies

Applicability

8.110. This tariff is applicable exclusively for (i) Townships and Residential colonies or Cooperative group housing societies who own the premises and avail of 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 of 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 Lighting put together	10% of total connected load
Non-domestic/Commercial & General purpose put together	10% of total connected load

Category	Demand Charge* (INR/ month)		Energy Charge (INR/ kVAh)
	Unit	Rate	
HT VI Townships & Residential Colonies			
11 kV	kVA	60	6.30
33 kV	kVA	60	6.30
132 kV and above	kVA	60	6.30
* Demand charge is calculated at INR/ kVA/ month of the Billing Demand			

HT-VII: Temporary supply

Applicability

8.111. Construction activities like construction of all types of structures/infrastructure such as residential /commercial buildings (height of 10 meters and above), bridges, fly-overs, dams, power stations, roads, aerodromes, tunnels for laying of pipelines, etc. The relevant tariff for temporary supply shall be applicable during the phase of construction.

8.112. Exhibitions, circuses, outdoor film shootings, touring talkies, make-shift pandals for festivals, make-shift pandals for public gatherings and such other similar activities that are set up in open areas with no permanent structure.

8.113. For buildings above 10 meters in height regular supply shall be provided upon submission of occupancy certificate / completion certificate as per Para 21 of Hyderabad Revised

Building Rules, 2006 issued vide erstwhile Andhra Pradesh G.O.Ms.No.86 dated 03.03.2006 and any other municipal authority in the State of Telangana and on payment of required charges.

Category	Demand Charge* (INR/ month)		Energy Charge (INR/ kVAh)
	Unit	Rate	
HT VII: Temporary			
11 kV	kVA	500	10.80
33 kV	kVA	500	10.00
132 kV and above	kVA	500	9.80
* Demand charge is calculated at INR/ kVA/ month of the Billing Demand			

HT Rural Electric Co-Operative Societies (RESCO)

Category	Demand Charge* (INR/ month)		Energy Charge (INR/ kVAh)
	Unit	Rate	
HT VIII: RESCO - Sircilla			
11 kV			1.00
* Demand charge is calculated at INR/ kVA/ month of the Billing Demand			

- i. RESCO, being a Licensee, shall, as far as possible maintain a power factor of ± 0.95 at its drawl points.
- ii. No penal charges shall be made applicable.
- iii. Customer charge is not applicable.

Terms and conditions of HT supply

8.114. Fuel Surcharge Adjustment (FSA) is applicable in accordance with the provisions of the Electricity Act, 2003.

8.115. The tariffs are exclusive of the Electricity duty payable as per the provisions of the AP Electricity Duty Act as adopted by Government of Telangana.

8.116. Voltage of Supply

The voltage at which supply has to be availed by:

- i. HT consumers, seeking to avail of supply on common feeders shall be: For Total Contracted Demand with the Licensee and all other sources.

Up to 1500 kVA	11kV
1501 kVA to 5000 kVA	33 kV
Above 5000 kVA	132 kV or 220 kV as may be decided by Licensee

- ii. HT Consumers seeking to avail of 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.

Up to 2500 kVA	11kV
2501 kVA to 10,000 kVA	33 kV
Above 10,000 kVA	132 kV or 220 kV as may be decided by Licensee

The relaxations are subject to the fulfilment of the following conditions:

- a) The consumer should have an exclusive dedicated feeder from the substation where transformation to required voltage takes place.
- b) The consumer shall pay full cost of the service line including take off arrangements at substation.

8.117. The voltage surcharge for FY 2017-18 has been withdrawn.

8.118. 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 4,000 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 15 minutes in the month.

8.119. 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 demand shall be the recorded maximum demand condition of 80% Contract Maximum Demand is not applicable.

8.120. 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 (B) to cover the cost of a part of the fixed charges of the Licensee.

8.121. Additional charges for maximum demand exceeding the contracted demand

8.122. 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.

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

In case of HT-V (A) & HT-V (B): Railway Traction and Hyderabad Metro Rail, the energy charges shall be computed at 1.05 times of normal charges on the entire consumption, *if RMD exceeds 120% of Contracted Demand*.

8.123. 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 5 paise/ INR 100/ day or INR 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.

8.124. Customer charges

Every HT consumer shall pay customer charges as applicable to them, in addition to demand and energy charges billed.

8.125. 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 0.95 lead for a period of 2 consecutive months, it must be brought back in the range of + 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.

Category wise specific condition of HT Tariff

HT-I: Industry

HT-I (A): Industry – General

8.126. The billing demand shall be the maximum demand recorded during the month or 80% of the contracted demand, whichever is higher.

8.127. Energy charges will be billed on the basis of actual energy consumption or 50 kVAh per kVA of billing demand, whichever is higher.

8.128. The captive power plants shall pay demand charges at the rate of 50% of the rate approved for this category.

HT-I (B): Ferro Alloy

8.129. Guaranteed energy off-take at 6,701 kVAh per kVA per annum on Average Contracted Maximum Demand or Average Actual Demand, whichever is higher. The energy falling short of 6,701 kVAh per kVA per annum will be billed as deemed consumption. This shall be calculated on an annual basis and not on a monthly basis and disconnection periods shall be exempted while computing the minimum off-take energy.

HT-I (A): Industry – Seasonal Industries

8.130. Consumers, classified as seasonal load consumers, who are desirous of availing of the seasonal benefits shall specifically declare their season at the time of entering into agreement that their loads should be classified as seasonal loads.

8.131. The period of season shall not be less than 4 (four) continuous months. However, consumer can declare longer seasonal period as per actual.

8.132. 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.

8.133. 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 Divisional Engineer concerned of the respective Licensee.

8.134. The seasonal period once notified cannot be changed, during one Tariff year.

8.135. The off-season tariff is not available to composite units having seasonal and other categories of loads.

8.136. 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.

8.137. 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.

8.138. 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.

HT-II: Others

8.139. The billing demand shall be the maximum demand recorded during the month or 80% of

the contracted demand, whichever is higher.

8.140. Energy charges will be billed on the basis of actual Energy consumption or 25 kVAh per kVA of Billing Demand, whichever is higher.

8.141. The captive power plants shall pay demand charges at the rate of 50% of the rate approved for this category.

HT-III: Airports, Railway stations and Bus stations

8.142. The billing demand shall be the maximum demand recorded during the month or 80% of the contracted demand whichever is higher.

8.143. Energy charges will be billed on the basis of actual energy consumption or 50 kVAh per kVA of billing demand whichever is higher.

HT-IV: Lift Irrigation, Agriculture and CPWS

8.144. The metering is mandatory for this category i.e. HT-IV (A) & HT-IV (B).

HT-V: Railway Traction

8.145. The billing demand shall be the maximum demand recorded during the month or 80% of the contracted demand, whichever is higher.

8.146. 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.

HT-VI: Townships and residential colonies

8.147. The billing demand shall be the recorded maximum demand during the month.

8.148. Energy Charges will be billed on the basis of actual consumption or 25 kVAh per kVA of Contracted Demand, whichever is higher.

8.149. 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.

HT-VII: Temporary supply

8.150. (a) Temporary supply can be given initially for a period up to one year as per the tariff applicable under temporary supply category. After the expiry of one year, the consumer is at liberty to seek further extension.

(b) The billing demand for Temporary supply shall be contracted demand or recorded

maximum demand registered during the month whichever is higher.

8.151. 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 miscellaneous charges is also to be paid.

8.152. 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.

8.153. (a) Estimated cost of the works, as detailed 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.

8.154. (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 151 (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 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 three (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.

8.155. **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 HT Temporary supply, subject to the following conditions.

8.156. (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.

Others charges in HT

Service connection charges

8.157. The service connection charges shall be collected as per the Regulations issued by the Commission from time to time.

Reconnection charges

HT service	
11 kV	INR 1,000
33 kV	INR 2,000
132/ 220 kV	INR 3,000

Testing charges

Consumer Installation	
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	INR 200
HT Meter	INR 3,000
Transformer Oils	
For each sample of Oil	INR 150

Miscellaneous charges

Application Registration Fees	INR 100
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For changing meter only at the request of the consumer (where it is not necessitated by increase in demand permanently)	INR 100
For changing or moving a meter board	Actual cost of material and labour plus 25% supervision charges on cost of materials and labour
Customer charges	
Consumer category	INR/ month
HT Consumer at 11 kV	INR 1,685
HT Consumers at 33 kV	INR 1,685
HT Consumers at 132 kV and above	INR 3,370
Urgency charges for temporary supply at short notice	INR 200
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.
Supervision/Inspection & checking charges	INR 600

Miscellaneous works in HT

- 8.158. 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.
- 8.159. The Commission has decided to reduce the minimum agreement period from two years to one year. In the due course the necessary amendment will be issued under the General Terms and Conditions of Supply (GTCS) and in the relevant regulations by the Commission.
- 8.160. The abstract of the tariff rates determined above, together with the terms & conditions governing the same is enclosed at Annexure 1.
- 8.161. The rates indicated in the Retail Supply Tariff Schedule for FY 2017-18, 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 the FY 2017-18 with effect from 01.09.2017 to 31.03.2018.

CHAPTER 9 - COMMISSION'S DIRECTIVES

A: EARLIER DIRECTIVES

9.1 IMPORTED COAL

9.1.1 The DISCOMs are directed to verify whether imported coal is being procured through competitive bidding process, or under any guidelines issued in this regard by GoI, before admitting the Station wise power purchase bills.

9.2 QUALITY OF DOMESTIC COAL

9.2.1 The DISCOMs are directed to verify that the GCV of coal for which the price is being paid by its contracted generating stations should not be less than the minimum of the range of GCV specified for that particular grade.

9.3 TRANSPORTATION OF FAILED TRANSFORMERS

9.3.1 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. For hiring the vehicles (the tractor trailers are available in villages) where ever necessary, the schedule of rates either on kilometer basis or on per day basis may be fixed. The DISCOMs are directed to submit the measures taken in this regard and expenditure incurred towards the same on half yearly basis.

9.4 SEGREGATION OF LOADS IN AIRPORT

9.4.1 The Licensee is directed to segregate aviation activity loads and non-aviation activity loads of the consumer (GMR International Airport at Hyderabad) at the DISCOM metering point itself so as to have separate metering for both categories of loads in order to bill under appropriate category and submit the report to the Commission by the end of September 30, 2017. The Licensee is also directed to conduct a study on the load pattern of aviation activity for computing the cost of service as directed earlier.

9.5 COST OF SERVICE OF HT V(B) HMR

9.5.1 The Commission directs SPDCL to study the consumption pattern for the portion of energy likely to be consumed for the commercial operation (after commencement) of HMR Railway Traction out of the total energy to be consumed during FY 2017-18 and propose the Cost of Service for the subsequent year so as to examine the same.

B: CURRENT YEAR DIRECTIVES

9.6 SUBMISSION OF TARIFF PROPOSALS

- 9.6.1 The DISCOMs are directed to submit the ARR and Tariff proposals on time i.e. by 30th November of current year in order to make the Tariff Order effective from 1st April of the next year.
- 9.6.2 The DISCOMs are directed to include the technical glossary in their tariff filings from next year.
- 9.6.3 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.

9.7 PROCUREMENT OF SHORT-TERM POWER

- 9.7.1 Procurement of power to meet demand on short-term basis shall always be on competitive bidding.

9.8 LACK OF ADEQUATE MANPOWER

- 9.8.1 Several consumers have expressed concerns regarding the lack of adequate manpower at the field level. The DISCOMs are directed to examine this issue and initiate appropriate action.

9.9 POOR DISTRIBUTION INFRASTRUCTURE

- 9.9.1 Several stakeholders have expressed concerns regarding the sagging distribution lines, absence of AB switches and lack of protection for the DTRs. The DISCOMs are directed to take measures for providing adequate protective measures for the distribution infrastructure. The DISCOMs are directed to submit an action plan on the measures proposed to address the aforementioned issues within 3 months of issue of this Order. The DISCOMs are further directed to submit the progress of the proposed measures on half yearly basis.
- 9.9.2 Several stakeholders have expressed concerns that the poor distribution infrastructure is the main cause of electrical accidents. The DISCOMs are directed to submit a detailed report on its root-cause analysis of the electrical accidents in their respective supply areas during FY 2016-17 and the preventive measures adopted (at the place of accident as well as in the other areas of supply) for preventing such accidents within 3 months of issue of this Order

9.10 RELEASE OF EX-GRATIA IN CASES OF ELECTRICAL ACCIDENTS

9.10.1 Several stakeholders have expressed concerns that the ex-gratia for affected parties due to electrical accidents is not being released promptly. The Commission directs the DISCOMs to strive to release the ex-gratia to the affected parties due to electrical accidents promptly. The applicants should be provided with a unique identification number upon receipt of application and status of the same should be intimated to the applicant and status of the application should be made available on the respective DISCOM's website.

9.11 OTHER PREMISES OF IT UNITS

9.11.1 The DISCOMs are directed to submit an action plan for implementation of separate meters at each individual utilisation point and the associated cost of such installation (the Licensee share and the consumer share) with details of revenue impact by November 30, 2017.

9.12 PARTICIPATION IN UDAY SCHEME

9.12.1 The DISCOMs are directed to create a web based platform for displaying the plan and progress as against the targets set forth under the UDAY on similar lines of Ministry of Power, GoI by September 30, 2017.

9.12.2 The DISCOMs shall submit the copy of detailed action plan, to the Commission, as stipulated in UDAY MoU to achieve the projected trajectory for AT&C loss and ACS-ARR gap by November 30, 2017.

9.12.3 The DISCOMs shall endeavour to reduce the AT&C losses to 9.90% and 10.00% for NPDCL and SPDCL respectively by FY 2018-19, as per the targets set forth in UDAY MoU. Further the DISCOMs are also directed to submit quarterly AT&C loss reports (division / circle wise).

9.12.4 The DISCOMs are directed to submit a quarterly progress report on operational milestones specified in DDUGJY & IPDS.

9.12.5 The DISCOMs shall achieve 100% DTR metering, 100% feeder metering, physical feeder segregation as stipulated in UDAY MoU and submit a quarterly report on the same.

9.12.6 The DISCOMs shall undertake the energy audit up to 11 kV level in rural areas by 31.03.2018 and furnish a progress report on energy audit by December 31, 2017.

9.12.7 The DISCOMs shall replace 10% of existing agricultural pump sets with energy efficient pump sets as stipulated in UDAY MoU and submit a quarterly progress report on the same.

9.12.8 Upon finalisation and issuance of annual accounts, the DISCOMs shall submit the same duly audited.

9.13 OTHERS

9.13.1 Undertake actuarial valuation for determining the future pension liabilities

9.13.2 Revise the pay revision policy to implement pay revisions in accordance with State Government of Telangana.

9.13.3 Benchmark employee costs with DISCOMs of other states and endeavour to achieve efficiency of the same.

The Order is signed on this day 26th August, 2017.

**Sd/-
(H.SRINIVASULU)
MEMBER**

**Sd/-
(ISMAIL ALI KHAN)
CHAIRMAN**

ANNEXURE 1: ABSTRACT OF RETAIL SUPPLY TARIFFS APPROVED BY THE COMMISSION

(Applicable with effect from 01.09.2017 to 31.03.2018 in respect of the two Distribution Licensees (TSSPDCL & TSNPDCL) in the State of Telangana and the Rural Electricity Supply Co-operative Society, Siricilla in the State)

Category	Fixed/Demand Charge (Rs./Month)		Energy Charge (Rs./Unit)
	Unit	Rate	
Low Tension			
LT I: Domestic			
LT I (A): Upto 100 Units/Month			
0-50			1.45
51-100			2.60
LT I (B)(i): Above 100 Units/Month & up to 200 Units/Month			
0-100			3.30
101-200			4.30
LT I (B)(ii): Above 200 Units/Month			
0-200			5.00
201-300			7.20
301-400			8.50
401-800			9.00
Above 800 units			9.50
LT II: Non-Domestic/Commercial			
LT II (A): Upto 50 Units/Month			
0-50	kW	50	6.00
LT II (B): Above 50 Units/Month			
0-100	kW	60	7.50
101-300	kW	60	8.90
301-500	kW	60	9.40
Above 500	kW	60	10.00
LT II (C): Advertisement Hoardings	kW	60	12.00
LT II (D): Haircutting salons consuming upto 200 units/month			
0-50	kW	60	5.30
51-100	kW	60	6.60
101-200	kW	60	7.50
LT III: Industry			
Industries	kW	60	6.70
Seasonal Industries (off-season)	kW	60	7.40
Pisciculture/Prawn culture	kW	21	5.20
Sugarcane crushing	kW	21	5.20
Poultry farms	kW	50	4.00
Mushroom, Rabbit, Sheep and Goat farms	kW	60	6.30
Floriculture in Green House	kW	60	6.30
LT IV: Cottage Industries			
Cottage Industries	kW	20/kW subject to a minimum of Rs.30/month	4.00
Agro Based Activities	kW	20/kW subject to a minimum of Rs.30/month	4.00

Category	Fixed/Demand Charge (Rs./Month)		Energy Charge
	Unit	Rate	(Rs./Unit)
LT V: Agriculture			
LT V (A): Agriculture (DSM Measures mandatory)			
Corporate Farmers	HP		2.50
Other than Corporate Farmers	HP		0.00
LT V (B): Others			
Horticulture Nurseries with CL upto 15 HP	HP	20	4.00
LT VI: Street Lighting & PWS			
LT VI (A): Street Lighting			
Panchayats	kW	32	6.10
Municipalities	kW	32	6.60
Municipal Corporations	kW	32	7.10
LT VI (B): PWS Schemes			
Panchayats	HP	32/HP subject to a minimum of Rs.50/month	5.00
Municipalities	HP	32/HP subject to a minimum of Rs.100/month	6.10
Municipal Corporations	HP	32/HP subject to a minimum of Rs.100/month	6.60
LT VII: General			
LT VII (A): General Purpose	kW	21	7.30
LT VII (B): Wholly Religious Places			
Load upto 2 kW	kW	21	5.40
Load above 2 kW	kW	21	6.00
LT VIII: Temporary Supply	kW	21	11.00
High Tension			
HT I(A): Industry General			
11 kV	kVA	390	6.65
33 kV	kVA	390	6.15
132 kV and above	kVA	390	5.65
HT I(A):Lights and Fans			
11 kV			6.65
33 kV			6.15
132 kV and above			5.65
HT I(A):Poultry Farms			
11 kV	kVA	390	4.65
33 kV	kVA	390	4.15
HT I(A):Industrial Colonies			
11 kV			6.30
33 kV			6.30
132 kV and above			6.30
HT I(A):Seasonal Industries			
11 kV	kVA	390	7.60
33 kV	kVA	390	6.90
132 kV and above	kVA	390	6.70

Category	Fixed/Demand Charge (Rs./Month)		Energy Charge
	Unit	Rate	(Rs./Unit)
HT I(A):Optional Category with Load Up to 150 kVA			
11 kV	kVA	80	7.00
HT I: Time of Day Tariffs (6 AM to 10 AM)			
11 kV			7.65
33 kV			7.15
132 kV and above			6.65
HT I: Time of Day Tariffs (6 PM to 10 PM)			
11 kV			7.65
33 kV			7.15
132 kV and above			6.65
HT I: Time of Day Tariffs (10 PM to 6 AM)			
11 kV			5.65
33 kV			5.15
132 kV and above			4.65
HT I (A): Poultry Farms - Time of Day Tariffs (6 AM to 10 AM)			
11 kV			5.65
33 kV			5.15
HT I (A): Poultry Farms - Time of Day Tariffs (6 PM to 10 PM)			
11 kV			5.65
33 kV			5.15
HT I (A): Poultry Farms - Time of Day Tariffs (10 PM to 6 AM)			
11 kV			3.65
33 kV			3.15
HT I(B):Ferro Alloy Units			
11 kV			5.90
33 kV			5.50
132 kV and above			5.00
HT II OTHERS			
11 kV	kVA	390	7.80
33 kV	kVA	390	7.00
132 kV and above	kVA	390	6.80
HT II: Time of Day Tariffs (6 AM to 10 AM)			
11 kV			8.80
33 kV			8.00
132 kV and above			7.80
HT II: Time of Day Tariffs (6 PM to 10 PM)			
11 kV			8.80
33 kV			8.00
132 kV and above			7.80
HT II: Time of Day Tariffs (10 PM to 6 AM)			
11 kV			6.80
33 kV			6.00
132 kV and above			5.80
HT III AIRPORTS, BUS STATIONS AND RAILWAY STATIONS			
11 kV	kVA	390	7.50
33 kV	kVA	390	6.85
132 kV and above	kVA	390	6.45
HT III: Time of Day Tariffs (6 AM to 10 AM)			

Category	Fixed/Demand Charge (Rs./Month)		Energy Charge
	Unit	Rate	(Rs./Unit)
11 kV			8.50
33 kV			7.85
132 kV and above			7.45
HT III: Time of Day Tariffs (6 PM to 10 PM)			
11 kV			8.50
33 kV			7.85
132 kV and above			7.45
HT III: Time of Day Tariffs (10 PM to 6 AM)			
11 kV			6.50
33 kV			5.85
132 kV and above			5.45
HT IV (A) IRRIGATION AND AGRICULTURE			
11 kV			6.40
33 kV			6.40
132 kV and above			6.40
HT IV(B) CP Water Supply Schemes			
11 kV			5.10
33 kV			5.10
132 kV and above			5.10
HT V (A) Railway Traction	kVA	390	4.05
HT V (B) Hyderabad Metro Rail (HMR)	kVA	390	3.95
HT VI Townships & Residential Colonies			
11 kV	kVA	60	6.30
33 kV	kVA	60	6.30
132 kV and above	kVA	60	6.30
HT VII: Temporary			
11 kV	kVA	500	10.80
33 kV	kVA	500	10.00
132 kV and above	kVA	500	9.80
HT VIII: RESCO			
11 kV			1.00

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 the AP Electricity Duty Act as adopted by the Government of Telangana State.
- Voltage surcharge:** The voltage surcharge withdrawal stands continued even for FY 2017-18.

4. Additional charges for maximum demand exceeding 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.

RMD over CMD	Demand charges on excess demand	Energy charges on full energy
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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 HT V(A) and HT V(B): Railway Traction and HMR, the energy charges shall be computed at 1.05 times of normal charges on the entire consumption, if RMD exceeds 120% of Contracted Demand.

5. Minimum charges

Category		Rates for FY 2017-18	
LT categories		Rates for FY 2017-18	
LT I(A)	Domestic	Contracted Load of 1000 Watts and below	
		Single Phase	INR 25/month
LT I(B)(i)		Contracted Load of above 1000 Watts	
		Single Phase	INR 50/month
LT I(B)(ii)		Three Phase	INR 150/month
LT II(A) & II(B)	Non-Domestic / Commercial	Single Phase	INR 65/month
		Three Phase	INR 200/month
LT II(C)		Advertisement Hoardings	INR 300/month
LT II(D)		Single Phase	INR 65/month
		Three Phase	INR 200/month
LT VI(A)	Street Lighting	Panchayats	INR 2/point/month
		Municipalities and Municipal Corporations	INR 6/point/month
LT VII(A)	General Purpose	Single Phase	INR 50/month
		Three Phase	INR 150/month
LT VIII	Temporary Supply	INR 125 per kW or part thereof of the contracted load for first 30 days or part thereof and for every subsequent period of 15 days or part thereof a charge of INR 75 per kW.	
HT Categories		Rates for FY 2017-18	
Billing Demand		Billing Demand shall be maximum demand recorded during the month or 80% of the contracted demand whichever is higher except HT VI (i.e., Township and Residential Colonies; for this category, the billing demand is Actual Demand Recorded)	
Minimum Energy Charges		Rates for FY 2017-18	
HT I(A)	Industry-General	50 kVAh per kVA of billing demand per month	
HT I(B)	Ferro Alloy units	Maximum Demand or Average Actual Demand whichever is higher. The energy falling short of 6,701 kVAh per kVA per annum will be billed as deemed consumption. This shall be calculated on an annual basis and not on a monthly basis and disconnection periods shall be exempted while computing the minimum off-take	
HT II	Others	25 kVAh per kVA of billing demand per month	
HT III	Airports, Bus Stations and Railway Stations	50 kVAh per kVA of billing demand per month	
HT V(A) & V(B)	Railway Traction & HMR	32 kVAh per kVA of Contracted Demand per month	
HT VI	Townships & Residential Colonies	Billing Demand shall be Actual Recorded Demand. 25 kVAh per kVA of contracted demand per month.	

6. Customer charges

Consumer Category	INR/month
Low Tension	
LT I: Domestic (Units/month)	
0-50	INR 25
51-100	INR 30
101-200	INR 50
201-300	INR 60
301-400	INR 80
401-800	INR 80
Above 800 units	INR 80
LT II (A&B): Non-Domestic/ Commercial (Units/month)	
0-50	INR 45
51-100	INR 55
101-300	INR 65
301-500	INR 65
Above 500 units	INR 65
LT II(C): Advertisement Hoardings	INR 70
LT II(D): Haircutting Salons with consumption upto 200 units per month	
0-50	INR 45
51-100	INR 55
101-200	INR 65
LT III: Industry up to 20 HP	INR 75
LT III: Industry 21-50 HP	INR 300
LT III: Industry 51-100 HP	INR 1125
LT IV: Cottage Industries	INR 45
LT V: Agriculture	INR 30
LT VI: Street Lighting & PWS	INR 50
LT VII: General Purpose	INR 60
LT VIII: Temporary Supply	INR 65
High Tension	
HT consumers at 11 kV	INR 1685
HT consumers at 33 kV	INR 1685
HT consumers at 132 kV and above	INR 3370

7. Delayed Payment Surcharge (DPS)

LT Category

- a) In case of LT I(A), LT I(B), LT II(A), LT II(D), LT IV and LT V(B), 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)	INR 10 per month
LT I(B), LT II(A), LT II(D), LT IV and LT V(B)	INR 25 per month

- b) In case of 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/ INR 100/ day calculated from the due date mentioned on the bill, up to the date of payment or INR 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.

LHT Category

- a) The Licensees shall charge the Delayed Payment Surcharge (DPS) per month on the bill amount at the rate of 5 paise/ INR 100/ day or INR 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.

8. Reconnection charges

Low Tension services	
LT I(A)	INR 25
Overhead LT services	INR 75
U.G. services	INR 200
High Tension service	
11 kV	INR 1000
33 kV	INR 2000
132 kV and above	INR 3000

9. Testing charges

Installation	LT	HT
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	INR 20	INR 200
Meter		
A.C. Single Phase Energy meter	INR 100	
A.C. Three Phase Energy meter	INR 300	
LT Tri Vector meter	INR 2000	
11 kV		INR 3000
33 kV		INR 3000
132 kV and above		INR 3000
Transformer oil		
Each sample of oil	INR 150 per sample	

10. Supervision / Inspection and checking charges

For LT I(A) Domestic	INR 100
For LT I(B) Domestic	INR 100
LT Agricultural	INR 100
For all other LT Categories	INR 100
For all HT Categories	INR 600

11. **Low power factor charges:** For all consumer categories where kVAh billing is done, no Low Power Factor surcharge shall be levied.

12. **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 and LT VII(A)	< 10 kW
LT III and LT VI(B)	< 20 HP

13. Fixed Charges – Seasonal Industries:

LT III: INR 50/ HP/ month on 30% contracted load.

HT: Demand Charges – 30% of CMD or recorded demand whichever is higher.

14. **Temporary Supply for LT and HT consumers:** Temporary supply can be given initially for a period up to one year as per the tariff applicable under temporary supply category. After the expiry of one year, the consumer is at liberty to seek further extension.

ANNEXURE 2: LIST OF STAKEHOLDERS WHO SUBMITTED THE WRITTEN OBJECTIONS/SUGGESTIONS

S. No.	Name and Address of the Objector	Objections related to
1	M/s. Suguna Metals Ltd., Hyderabad	TSSPDCL
2	Telangana Small Scale Industrial Painting and Power Coating Industries Association, Hyderabad	TSSPDCL
3(1)	Greater Hyderabad Municipal Corporation, Hyderabad	TSSPDCL
3(2)	Greater Hyderabad Municipal Corporation, Hyderabad	TSSPDCL
4	L&T Metro Rail, Hyderabad Metro Rail Administrative Building, Uppal main road, Hyderabad- 500 039.	TSSPDCL
5	M. Venukumar, GM(O&M), M/s. Sitapura Power Ltd., (HT Sc.No.NIG-543), Dondapadu, Suryapet Dist.508 246	TSSPDCL
6	Hyderabad Metropolitan Water Supply and Sewerage Board, Khairatabad, Hyderabad- 500 004.	TSSPDCL
7	M. Jayapal Reddy, President, Palamoor R.O. Water Plants Association, 8-3-18/A, Mettuguda, Mahabubnagar.	TSSPDCL
8	Gurijala Srinivas Reddy, Jakkapur(v), Siddipet Rural (m), Siddipet Dist. 502 276	TSSPDCL
9	Sri Swamy Jaganmayananda, Husband Village, Kodangal Mandal, Vikarabad District	TSSPDCL
10	A. Anjaneyulu, Mallayapally(v), Dubbaka(m), Siddipet Dist. 502 108	TSSPDCL
11	Kerelly Malreddy, Kothagadi(v), Vikarabad(M&Dist). 501 101	TSSPDCL
12	Narsimlu, Chittigida(v), Nawabpet(m), Vikarabad Dist. 501 101	TSSPDCL
13	Gajender, Nagarkunta(v), Shabad(m), Rangareddy Dist. 509 217	TSSPDCL
14	K. Amba Reddy, Narayanpur(v), Vikarabad (M&Dist). 501 101	TSSPDCL
15	L. Manik Reddy, Pulapally(v), Nawabpet(m), Vikarabad Dist. 501 101	TSSPDCL

S. No.	Name and Address of the Objector	Objections related to
16	Venkataiah, Nawabpet (v&m), Vikarabad Dist. 501 111	TSSPDCL
17	K. Sampath Kumar, Sreenidhi Nilayam, 23-5-523, Lal Darwaja main road, Opp: Sri Datta Sai Mandir, Hyderabad-500 065.	TSSPDCL
18	Pathuri Ravinder, Kompally(v), Bhupalapally(m), Jayashankar Bhupally Dist. 506 168	TSNPDCL
19	Kodela Sammaiah, Chityala(v&m), Jayashankar Bhupally Dist. 506 356	TSNPDCL
20	Kothuri Raju, chityala (AR Pally), Chityala(m), Jayashankar Bhupally Dist. 506356	TSNPDCL
21	Lekkala Jalandar Reddy, Hanamkonda, Warangal Dist. 506 001	TSNPDCL
22	D.C Sailu, Kalwarala(v), Kamareddy Dist. 503 111	TSNPDCL
23	Dabba Ravi, Jaggasagar(v), Metpally (m), Jagtial Dist.	TSNPDCL
24	Paidi Vithal Reddy, Chandapur(v), Tadwai(m), Kamareddy Dist. 503 120	TSNPDCL
25	K. Jagadeeswar Reddy, Bardhipad, Post:Pentakalan, Bodhan(m), Nizamabad Dist. 503 235	TSNPDCL
26	K. Sai Reddy, Maruti Nagar(v), Nizamabad (M&Dist). 503 002	TSNPDCL
27	C. Venkat Reddy, Tamsi (v&m), Adilabad Dist. 504 312	TSNPDCL
28	S. Bhuma Reddy, Jamidi(v), Tamsi(m), Adilabad Dist. 504 312	TSNPDCL
29	Ashok Reddy, Jainad (v&m), Adilabad Dist. 504 309	TSNPDCL
30	G. Raja Reddy, Jamidi(v), Ichoda(m), Adilabad Dist.	TSNPDCL
31	P. Vithal Reddy, Vadyala(v), Mudhol(m), Nirmal Dist. 504 104	TSNPDCL
32	Komireddy Anjaiah, Lingapuram(v), Kamareddy(M&Dist). 503 111	TSNPDCL
33	K. Narayan Reddy, Thanakurd(v), Mogpal(m), Nizamabad Dist. 503 230	TSNPDCL
34	Kiladi Ramakoteswar Rao, Laxmipuram(v), Bonakal(m), Khammam	TSNPDCL

S. No.	Name and Address of the Objector	Objections related to
	Dist.	
35	Kotaiah, Mamillagudem (v), Khammam Dist.	TSNPDCL
36	Andhra Pradesh Power Generation Corporation Ltd., Hyderabad	TSSPDCL & TSNPDCL
37	Animal Husbandary Department, Govt. of Telangana	TSSPDCL & TSNPDCL
38	Telangana Spinning & Textile Mills Association, Secunderabad	TSSPDCL & TSNPDCL
39(1)	South Central Railway, Secunderabad	TSSPDCL & TSNPDCL
39(2)	South Central Railway, Secunderabad	TSSPDCL & TSNPDCL
39(3)	South Central Railway, Secunderabad	TSSPDCL & TSNPDCL
40	Telangana Naibrahmana Ikyavedika, Hyderabad	TSSPDCL & TSNPDCL
41	Reliance Joi Infocomm Ltd., Mumbai	TSSPDCL & TSNPDCL
42	CREDAI, Hyderabad	TSSPDCL & TSNPDCL
43	Water Health India Pvt. Ltd., Hyderabad	TSSPDCL & TSNPDCL
44	Sri M. Venugopala Rao, Senior Journalist & Convener, Centre for Power Studies, Hyderabad	TSSPDCL & TSNPDCL
45	M. Sri M. Venugopala Rao, Senior Journalist & Convener, Centre for Power Studies, Hyderabad	TSSPDCL & TSNPDCL

S. No.	Name and Address of the Objector	Objections related to
46	The Federation of Telangana & Andhra Pradesh Chambers of Commerce and Industry (FTAPCCI), FAPCCI Marg, Redhills, Hyderabad-500 004.	TSSPDCL & TSNPDCL
47	M. ThimmaReddy, Peoples' Monitoring Group on Electricity Regulation, 139, Kakatiya Nagar, Hyderabad – 500 008.	TSSPDCL & TSNPDCL
48	M. Sridhar Reddy, 504, Rajpath Residency, 2-1-174,175, Nallakunta, Hyderabad- 500 044.	TSSPDCL & TSNPDCL
49	J. Sriranga Rao, DD Colony, Hyderabad. 500 013	TSSPDCL & TSNPDCL
50	P.S.R. Krishna Prasad, Kukatpally, Hyderabad. 500 072	TSSPDCL & TSNPDCL
51	S. Anvesh Reddy, 602, C, Block, Kalki Gardense, Madeenaguda, Miyapur, Hyderabad – 500 050.	TSSPDCL & TSNPDCL
52	D. Narsimha Reddy, 201 Aarthi Residency, LN Colony, Saidabad, Hyderabad – 500 059.	TSSPDCL & TSNPDCL
53	M. KodandaReddy, Chairman, Kisan-Kheth Mazdoor Congress, Telangana Pradesh Congress Committee, Gahdhi Bhavan, Nampally, Hyderabad – 500 001	TSSPDCL & TSNPDCL
54	Donuru Ramuji, Nallakunta(v), Hyderabad. 500 044	TSSPDCL & TSNPDCL
55	Rachamalla Punnamacharyulu, Founder, Akila Bharatiya Viswakarma Parishad, Tilak Bhavan, TRT141, Street No.9, Jawaharnagar, Hyderabad- 560 020.	TSSPDCL & TSNPDCL

ANNEXURE 3: TSSPDCL - CATEGORY WISE AND MONTH WISE SALES FOR FY 2017-18 – APPROVED

Consumer Category		Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Total
LT Category		1509.48	1437.97	1312.51	1493.20	1691.90	1505.25	1643.50	1443.87	1513.43	1592.32	1585.32	1801.48	18530.25
Category I (A&B)	Domestic	627.19	597.47	545.34	620.42	702.98	625.43	682.87	599.93	628.83	661.60	658.70	748.51	7699.26
Category II (A, B & C)	Non-Domestic/ Commercial	193.22	184.07	168.01	191.14	216.57	192.68	210.37	184.82	193.72	203.82	202.93	230.60	2371.94
Category III (A&B)	Industrial	68.60	65.35	59.65	67.86	76.89	68.40	74.69	65.62	68.78	72.36	72.04	81.87	842.08
Category IV (A&B)	Cottage Industries & Dhobighats	0.78	0.74	0.68	0.77	0.88	0.78	0.85	0.75	0.78	0.82	0.82	0.93	9.59
Category V (A&B)	Irrigation & Agriculture	555.89	529.55	483.35	549.89	623.06	554.33	605.24	531.72	557.34	586.39	583.82	663.42	6824.00
Category VI (A&B)	Local Bodies, Street Lighting & PWS	57.88	55.14	50.33	57.25	64.87	57.72	63.02	55.36	58.03	61.06	60.79	69.08	710.52
Category VII (A&B)	General Purpose	5.76	5.49	5.01	5.70	6.46	5.75	6.27	5.51	5.78	6.08	6.05	6.88	70.73
Category VIII (A&B)	Temporary Supply	0.17	0.17	0.15	0.17	0.19	0.17	0.19	0.17	0.17	0.18	0.18	0.21	2.13
HT Category at 11 kV		394.05	375.38	342.63	389.80	441.67	392.95	429.04	376.93	395.08	415.68	413.85	470.28	4837.34
HT-I	Industry Segregated	256.71	244.55	223.21	253.94	287.73	255.99	279.50	245.55	257.38	270.79	269.60	306.37	3151.31
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II	Others	119.47	113.81	103.88	118.19	133.91	119.14	130.08	114.28	119.79	126.03	125.48	142.59	1466.65
HT-III	Airports, Railways and Bus Stations	0.46	0.44	0.40	0.45	0.51	0.46	0.50	0.44	0.46	0.48	0.48	0.55	5.62
HT-IV(A)	Lift Irrigation & Agriculture	5.30	5.05	4.61	5.24	5.94	5.28	5.77	5.07	5.31	5.59	5.57	6.33	65.06
HT-IV(B)	CP Water Supply Schemes	2.50	2.38	2.17	2.47	2.80	2.49	2.72	2.39	2.50	2.63	2.62	2.98	30.64

Consumer Category		Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Total
HT-VI	Townships and Residential Colonies	7.00	6.67	6.09	6.93	7.85	6.98	7.62	6.70	7.02	7.39	7.35	8.36	85.94
HT	Temporary Supply	2.62	2.49	2.27	2.59	2.93	2.61	2.85	2.50	2.62	2.76	2.75	3.12	32.12
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 33 kV		398.57	379.69	346.56	394.27	446.73	397.45	433.95	381.24	399.61	420.44	418.59	475.67	4892.77
HT-I	Industry Segregated	338.45	322.41	294.28	334.80	379.35	337.50	368.49	323.73	339.33	357.02	355.45	403.92	4154.72
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II	Others	51.46	49.02	44.74	50.90	57.68	51.31	56.03	49.22	51.59	54.28	54.04	61.41	631.70
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV(A)	Lift Irrigation & Agriculture	4.78	4.56	4.16	4.73	5.36	4.77	5.21	4.58	4.80	5.05	5.02	5.71	58.71
HT-IV(B)	CP Water Supply Schemes	0.07	0.07	0.06	0.07	0.08	0.07	0.08	0.07	0.07	0.07	0.07	0.08	0.86
HT-VI	Townships and Residential Colonies	3.81	3.63	3.31	3.77	4.27	3.80	4.15	3.65	3.82	4.02	4.00	4.55	46.78
HT	Temporary Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV		283.88	270.43	246.83	280.82	318.18	283.08	311.15	273.61	286.69	301.53	300.21	340.86	3497.28
HT-I	Industry Segregated	179.43	170.93	156.02	177.50	201.12	178.93	195.36	171.63	179.90	189.28	188.45	214.14	2202.69
HT-I(B)	Ferro Alloys	15.01	14.30	13.05	14.85	16.83	14.97	16.35	14.36	15.05	15.84	15.77	17.92	184.29
HT-II	Others	6.06	5.77	5.27	5.99	6.79	6.04	6.60	5.80	6.08	6.39	6.36	7.23	74.39
HT-III	Airports, Railways and Bus Stations	4.51	4.30	3.92	4.46	5.06	4.50	4.91	4.32	4.52	4.76	4.74	5.39	55.40
HT-IV(A)	Lift Irrigation &	67.21	64.03	58.44	66.49	75.34	67.03	73.18	64.29	67.39	70.90	70.59	80.22	825.12

Consumer Category		Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Total
	Agriculture													
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	0.00
HT-V(A)	Railway Traction	11.64	11.09	10.12	11.52	13.05	11.61	12.68	11.14	11.67	12.28	12.23	13.90	142.94
HT-V(B)	HMR	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.07	2.07	2.07	2.07	2.07	12.44
HT-VI	Townships and Residential Colonies	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	Temporary Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		2585.98	2463.47	2248.53	2558.09	2898.49	2578.73	2817.64	2475.65	2594.82	2729.96	2717.98	3088.30	31757.65

ANNEXURE 4: TSNPDCL - CATEGORY WISE AND MONTH WISE SALES FOR FY 2017-18 – APPROVED

Consumer Category		Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Total
LT Category		754.15	718.42	655.74	746.02	845.29	752.04	821.11	721.37	756.12	795.53	792.04	900.04	9257.87
Category I (A&B)	Domestic	251.62	239.70	218.78	248.90	282.02	250.91	273.96	240.68	252.27	265.42	264.26	300.29	3088.81
Category II (A, B & C)	Non-Domestic/ Commercial	52.49	50.00	45.64	51.92	58.83	52.34	57.15	50.21	52.63	55.37	55.13	62.64	644.36
Category III (A&B)	Industrial	20.09	19.14	17.47	19.88	22.52	20.04	21.88	19.22	20.14	21.19	21.10	23.98	246.65
Category IV (A&B)	Cottage Industries & Dhobighats	0.63	0.60	0.55	0.63	0.71	0.63	0.69	0.60	0.63	0.67	0.66	0.75	7.76
Category V (A&B)	Irrigation & Agriculture	402.50	383.43	349.97	398.16	451.14	401.37	438.23	385.00	403.55	424.58	422.72	480.36	4941.00
Category VI (A&B)	Local Bodies, Street Lighting & PWS	23.04	21.95	20.03	22.79	25.83	22.98	25.09	22.04	23.10	24.31	24.20	27.50	282.85
Category VII (A&B)	General Purpose	3.78	3.60	3.29	3.74	4.24	3.77	4.12	3.62	3.79	3.99	3.97	4.51	46.44
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	0.00
HT Category at 11 kV		125.41	119.47	109.05	124.06	140.57	125.06	136.55	119.96	125.74	132.30	131.72	149.67	1539.57
HT-I	Industry Segregated	42.84	40.81	37.25	42.37	48.01	42.72	46.64	40.97	42.95	45.19	44.99	51.12	525.85
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II	Others	9.51	9.06	8.27	9.41	10.66	9.48	10.35	9.09	9.53	10.03	9.99	11.35	116.71
HT-III	Airports, Railways and Bus Stations	0.66	0.63	0.57	0.65	0.74	0.66	0.72	0.63	0.66	0.70	0.69	0.79	8.09
HT-IV(A)	Lift Irrigation & Agriculture	6.67	6.35	5.80	6.59	7.47	6.65	7.26	6.38	6.68	7.03	7.00	7.96	81.84
HT-IV(B)	CP Water Supply	3.69	3.52	3.21	3.65	4.14	3.68	4.02	3.53	3.70	3.89	3.88	4.40	45.31

Consumer Category		Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Total
	Schemes													
HT-VI	Townships and Residential Colonies	0.97	0.93	0.85	0.96	1.09	0.97	1.06	0.93	0.98	1.03	1.02	1.16	11.94
HT	Temporary Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	RESCOs	61.08	58.19	53.11	60.42	68.46	60.91	66.50	58.43	61.24	64.43	64.15	72.90	749.83
HT Category at 33 kV		33.19	31.62	28.86	32.83	37.20	33.09	36.13	31.74	33.27	35.01	34.85	39.61	407.40
HT-I	Industry Segregated	15.01	14.29	13.05	14.84	16.82	14.96	16.34	14.35	15.05	15.83	15.76	17.91	184.21
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II	Others	1.51	1.44	1.32	1.50	1.70	1.51	1.65	1.45	1.52	1.60	1.59	1.81	18.57
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV(A)	Lift Irrigation & Agriculture	5.05	4.81	4.39	5.00	5.66	5.04	5.50	4.83	5.07	5.33	5.31	6.03	62.04
HT-IV(B)	CP Water Supply Schemes	7.63	7.27	6.64	7.55	8.55	7.61	8.31	7.30	7.65	8.05	8.02	9.11	93.69
HT-VI	Townships and Residential Colonies	3.98	3.79	3.46	3.94	4.46	3.97	4.34	3.81	3.99	4.20	4.18	4.75	48.90
HT	Temporary Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV		176.16	167.82	153.18	174.26	197.45	175.67	191.80	168.51	176.62	185.83	185.01	210.24	2162.56
HT-I	Industry Segregated	56.59	53.91	49.20	55.98	63.42	56.43	61.61	54.13	56.73	59.69	59.43	67.53	694.65
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II	Others	0.28	0.26	0.24	0.27	0.31	0.27	0.30	0.26	0.28	0.29	0.29	0.33	3.38
HT-III	Airports, Railways	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Consumer Category	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Total
and Bus Stations													
HT-IV(A) Lift Irrigation & Agriculture	77.22	73.56	67.14	76.39	86.55	77.00	84.07	73.86	77.42	81.46	81.10	92.16	947.92
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	0.00
HT-V(A) Railway Traction	33.88	32.28	29.46	33.52	37.98	33.79	36.89	32.41	33.97	35.74	35.58	40.43	415.92
HT-V(B) HMR	0.00	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-VI Townships and Residential Colonies	8.20	7.81	7.13	8.11	9.19	8.18	8.93	7.85	8.22	8.65	8.61	9.79	100.69
HT Temporary Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	1088.91	1037.33	946.82	1077.17	1220.51	1085.86	1185.59	1041.59	1091.77	1148.67	1143.63	1299.56	13367.40

ANNEXURE 5: BOTH THE DISCOMS - CATEGORY WISE AND MONTH WISE SALES FOR FY 2017-18 – APPROVED

Consumer Category		Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Total
LT Category		2263.63	2156.39	1968.25	2239.22	2537.19	2257.29	2464.61	2165.25	2269.56	2387.85	2377.36	2701.52	27788.11
Category I (A&B)	Domestic	878.80	837.17	764.12	869.32	985.00	876.34	956.82	840.60	881.10	927.03	922.95	1048.80	10788.07
Category II (A, B & C)	Non-Domestic/ Commercial	245.71	234.07	213.65	243.06	275.40	245.02	267.52	235.03	246.35	259.19	258.05	293.24	3016.29
Category III (A&B)	Industrial	88.69	84.49	77.12	87.73	99.41	88.44	96.56	84.83	88.92	93.56	93.14	105.84	1088.73
Category IV (A&B)	Cottage Industries & Dhobighats	1.41	1.35	1.23	1.40	1.58	1.41	1.54	1.35	1.42	1.49	1.48	1.69	17.35
Category V (A&B)	Irrigation & Agriculture	958.38	912.98	833.32	948.05	1074.20	955.70	1043.47	916.73	960.89	1010.97	1006.53	1143.78	11765.00
Category VI (A&B)	Local Bodies, Street Lighting & PWS	80.92	77.09	70.36	80.05	90.70	80.69	88.10	77.40	81.13	85.36	84.99	96.57	993.37
Category VII (A&B)	General Purpose	9.54	9.09	8.30	9.44	10.70	9.52	10.39	9.13	9.57	10.07	10.02	11.39	117.17
Category VIII (A&B)	Temporary Supply	0.17	0.17	0.15	0.17	0.19	0.17	0.19	0.17	0.17	0.18	0.18	0.21	2.13
HT Category at 11 kV		519.47	494.86	451.68	513.86	582.24	518.01	565.59	496.89	520.83	547.97	545.57	619.95	6376.92
HT-I	Industry Segregated	299.54	285.35	260.46	296.31	335.74	298.70	326.14	286.52	300.33	315.98	314.59	357.49	3677.16
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II	Others	128.98	122.87	112.15	127.59	144.57	128.62	140.43	123.38	129.32	136.06	135.46	153.93	1583.36
HT-III	Airports, Railways and Bus Stations	1.12	1.06	0.97	1.10	1.25	1.11	1.22	1.07	1.12	1.18	1.17	1.33	13.71
HT-IV(A)	Lift Irrigation & Agriculture	11.97	11.40	10.40	11.84	13.41	11.93	13.03	11.45	12.00	12.62	12.57	14.28	146.90
HT-IV(B)	CP Water Supply Schemes	6.19	5.89	5.38	6.12	6.93	6.17	6.74	5.92	6.20	6.53	6.50	7.38	75.95
HT-VI	Townships and	7.97	7.60	6.93	7.89	8.94	7.95	8.68	7.63	7.99	8.41	8.37	9.52	97.88

Consumer Category		Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Total
	Residential Colonies													
HT	Temporary Supply	2.62	2.49	2.27	2.59	2.93	2.61	2.85	2.50	2.62	2.76	2.75	3.12	32.12
HT	RESCOs	61.08	58.19	53.11	60.42	68.46	60.91	66.50	58.43	61.24	64.43	64.15	72.90	749.83
HT Category at 33 kV		431.75	411.30	375.41	427.10	483.93	430.54	470.09	412.99	432.89	455.45	453.45	515.28	5300.18
HT-I	Industry Segregated	353.45	336.71	307.33	349.64	396.17	352.46	384.83	338.09	354.38	372.85	371.21	421.82	4338.93
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II	Others	52.97	50.46	46.06	52.40	59.37	52.82	57.67	50.67	53.11	55.88	55.63	63.22	650.27
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV(A)	Lift Irrigation & Agriculture	9.84	9.37	8.55	9.73	11.03	9.81	10.71	9.41	9.86	10.38	10.33	11.74	120.76
HT-IV(B)	CP Water Supply Schemes	7.70	7.34	6.70	7.62	8.63	7.68	8.39	7.37	7.72	8.12	8.09	9.19	94.54
HT-VI	Townships and Residential Colonies	7.79	7.42	6.78	7.71	8.74	7.77	8.49	7.46	7.81	8.22	8.19	9.30	95.68
HT	Temporary Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV		460.04	438.25	400.01	455.08	515.64	458.75	502.96	442.12	463.32	487.36	485.23	551.11	5659.84
HT-I	Industry Segregated	236.02	224.84	205.22	233.47	264.54	235.36	256.97	225.76	236.64	248.97	247.88	281.68	2897.34
HT-I(B)	Ferro Alloys	15.01	14.30	13.05	14.85	16.83	14.97	16.35	14.36	15.05	15.84	15.77	17.92	184.29
HT-II	Others	6.34	6.04	5.51	6.27	7.10	6.32	6.90	6.06	6.35	6.68	6.65	7.56	77.77
HT-III	Airports, Railways and Bus Stations	4.51	4.30	3.92	4.46	5.06	4.50	4.91	4.32	4.52	4.76	4.74	5.39	55.40
HT-IV(A)	Lift Irrigation & Agriculture	144.43	137.59	125.59	142.88	161.89	144.03	157.26	138.16	144.81	152.36	151.69	172.37	1773.04
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	0.00

Consumer Category		Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Total
HT-V(A)	Railway Traction	45.52	43.37	39.58	45.03	51.03	45.40	49.57	43.55	45.64	48.02	47.81	54.33	558.86
HT-V(B)	HMR	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.07	2.07	2.07	2.07	2.07	12.44
HT-VI	Townships and Residential Colonies	8.20	7.81	7.13	8.11	9.19	8.18	8.93	7.85	8.22	8.65	8.61	9.79	100.69
HT	Temporary Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		3674.89	3500.80	3195.35	3635.26	4119.00	3664.59	4003.24	3517.24	3686.59	3878.63	3861.61	4387.85	45125.05

ANNEXURE 6: STATION WISE AND MONTH WISE AVAILABILITY OF ENERGY – APPROVED

Name of the Station	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Total
Thermal-APGenco													
VTPS I	382.52	392.88	109.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	885.12
VTPS II													
VTPS III													
VTPS IV	154.06	155.74	54.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	364.31
RTPP I	117.59	119.44	32.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	269.05
RTPP II	128.96	133.52	41.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	304.21
RTPP III	63.96	59.71	20.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	144.10
Sub-total	847.09	861.29	258.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1966.79
Thermal-TSGenco													
KTPS A	176.97	183.01	237.84	308.59	326.69	281.71	351.07	327.87	323.18	329.44	354.41	387.97	3588.75
KTPS B													
KTPS C													
KTPS V	156.10	160.84	200.32	254.30	223.80	214.53	253.71	238.13	207.18	262.88	279.00	319.33	2770.11
KTPS VI	121.55	132.29	172.62	261.56	252.16	232.22	264.58	275.39	269.18	247.23	238.50	276.45	2743.73
RTS B	11.82	17.27	28.30	33.95	29.86	25.56	16.12	22.96	25.54	23.72	23.88	23.07	282.05
Kakatiya TPP Stage I	140.69	148.51	201.76	302.22	281.09	269.58	258.89	285.77	272.61	211.98	239.24	255.95	2868.29
Kakatiya TPP Stage II	347.92	359.52	347.92	359.52	359.52	347.92	359.52	347.92	359.52	359.52	324.73	359.52	4233.05
Sub-total	955.05	1001.44	1188.76	1520.13	1473.12	1371.53	1503.90	1498.04	1457.21	1434.77	1459.75	1622.28	16485.99
Total Thermal	1802.14	1862.73	1447.17	1520.13	1473.12	1371.53	1503.90	1498.04	1457.21	1434.77	1459.75	1622.28	18452.78
Hydel-Inter State													
Machkund PH	15.50	15.91	15.19	23.85	24.61	19.88	17.87	17.42	18.62	19.14	19.54	22.58	230.11
Tungabharda PH	0.99	0.59	0.14	2.70	11.35	11.48	10.34	8.85	5.38	6.37	2.94	3.85	64.98

Name of the Station	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Total
Prijadarshini Jurala HEP	0.00	0.00	0.00	7.83	32.85	34.45	16.71	2.62	0.98	0.18	0.00	0.00	95.63
Sub-total	16.48	16.49	15.33	34.38	68.82	65.82	44.92	28.89	24.99	25.69	22.48	26.43	390.72
Hydel-TSGenco													
Nagarjunasagar HES	5.23	2.38	5.96	13.43	164.97	155.86	104.49	53.24	33.33	30.02	24.26	36.39	629.55
Nagarjunasagar Left Canal PH	0.00	0.00	0.00	0.00	5.31	7.87	9.93	6.16	4.09	1.18	0.00	0.00	34.54
Srisaillam Left Bank HES	50.13	0.13	0.00	7.15	219.29	265.19	142.78	37.11	45.79	37.18	44.52	67.68	916.93
Lower Jurala HEP	0.00	0.00	0.00	4.93	11.31	11.10	12.73	0.05	0.08	0.03	0.08	0.05	40.37
Pulichintala	0.00	0.00	0.00	0.00	24.31	23.52	24.31	0.00	0.00	0.00	0.00	0.00	72.14
Pochampad PH	1.80	0.00	0.00	0.98	4.68	4.44	7.95	1.38	1.95	6.29	6.29	4.40	40.17
Nizamsagar HES	0.09	0.00	0.00	0.04	0.32	0.98	0.57	0.00	0.44	0.53	0.53	0.80	4.29
Singur HES	0.18	0.18	0.18	0.18	0.18	0.71	0.71	0.53	0.53	0.35	0.35	0.35	4.44
Paleru	0.01	0.01	0.71	1.43	2.14	2.27	2.39	2.36	2.14	2.38	2.39	1.68	19.91
Peddapalli MHS													
Sub-total	57.43	2.70	6.85	28.13	432.52	471.93	305.86	100.82	88.35	77.96	78.43	111.36	1762.34
Total Hydel	73.91	19.19	22.18	62.51	501.34	537.75	350.79	129.71	113.34	103.65	100.91	137.79	2153.07
Total TSGenco & APGenco	1876.05	1881.93	1469.35	1582.64	1974.46	1909.28	1854.68	1627.76	1570.55	1538.42	1560.66	1760.07	20605.85
Central Sector Generating Stations													
NTPC Ramagundam Stage I & II	237.53	212.86	183.98	186.40	214.75	186.00	206.93	219.53	229.82	223.85	212.07	243.28	2557.00
NTPC Ramagundam Stage III	58.82	54.99	51.09	50.52	44.67	53.93	50.69	39.49	55.92	55.85	52.83	60.52	629.31
NTPC Talcher TPS II	154.35	151.60	120.55	134.09	125.30	131.28	140.29	138.85	155.26	149.92	138.82	156.44	1696.76
NTPC Simhadri Stage I	355.15	331.49	319.01	338.73	316.94	322.50	331.86	275.98	277.17	336.13	327.13	368.61	3900.71
NTPC Simhadri Stage II	142.55	131.57	120.05	131.15	118.19	85.25	121.82	130.53	121.08	115.62	119.80	146.29	1483.91

Name of the Station	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Total
NLC TPS II Stage I	35.24	33.39	31.20	31.72	33.59	29.49	21.98	24.58	23.52	32.20	30.23	35.14	362.29
NLC TPS II Stage II	64.32	59.11	51.81	52.65	49.60	49.03	52.88	43.16	48.38	57.38	54.81	63.58	646.71
NPC MAPS	11.33	11.79	11.96	12.54	12.51	9.75	10.81	10.41	7.09	12.07	12.19	12.36	134.81
NPC Kaiga Units 1 & 2	38.99	36.00	34.78	38.59	35.00	38.42	41.35	39.07	42.69	45.38	39.02	41.58	470.86
NPC Kaiga Units 3 & 4	41.42	38.24	36.94	40.99	37.18	40.82	43.92	41.50	45.35	48.21	41.45	44.18	500.21
NTECL Vallur TPS	52.78	53.55	43.36	45.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	195.11
NLC TamilNadu Power Ltd.	86.54	86.54	83.75	86.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	343.37
NTPC Kudgi Unit 1	46.50	46.74	45.23	46.74	46.74	45.23	46.74	45.23	46.74	46.74	42.21	46.74	551.56
NTPC Kudgi Unit 2	0.00	0.00	0.00	0.00	0.00	45.23	46.74	45.23	46.74	46.74	42.21	46.74	319.62
NTPC Kudgi Unit 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.21	46.74	88.95
Total CSGS	1325.51	1247.88	1133.72	1196.08	1034.46	1036.93	1116.00	1053.55	1099.77	1170.08	1155.00	1312.19	13881.17
APGPCL													
APGPCL I	1.61	1.25	1.70	1.07	0.61	0.57	0.64	1.07	1.39	1.32	1.17	1.30	13.69
APGPCL II	4.95	4.43	5.97	3.80	2.15	1.91	2.23	3.72	4.96	4.77	4.23	4.81	47.94
Total APGPCL	6.56	5.68	7.67	4.87	2.76	2.49	2.88	4.79	6.34	6.09	5.40	6.11	61.62
Other Long Term Sources													
TPCIL (Long Term 1)	155.20	160.38	168.47	165.33	178.62	134.37	162.78	176.62	143.40	123.99	153.91	170.40	1893.47
TPCIL (Long Term 2)	328.32	339.26	356.39	349.74	377.86	284.24	344.35	373.63	303.34	262.29	325.58	360.47	4005.48
SCCL TPP	692.17	715.24	692.17	715.24	715.24	692.17	715.24	692.17	715.24	715.24	646.03	715.24	8421.43
CSPDCL	0.00	0.00	434.90	449.40	449.40	434.90	599.20	579.87	599.20	599.20	541.21	599.20	5286.48
Total	1175.70	1214.89	1651.94	1679.71	1721.12	1545.68	1821.58	1822.29	1761.18	1700.73	1666.73	1845.31	19606.86
NCE Sources													
Biomass	11.36	13.44	11.78	14.00	11.36	13.44	11.78	14.00	11.36	13.44	11.78	14.00	151.74
Bagasse	0.66	0.00	0.00	0.00	0.66	0.00	0.00	0.00	0.66	0.00	0.00	0.00	1.97

Name of the Station	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Total
Municipal waste	10.51	10.51	10.51	10.51	10.51	10.51	10.51	10.51	10.51	10.51	10.51	10.51	126.07
Industrial waste	0.00	0.00	0.00	1.84	0.00	0.00	0.00	1.84	0.00	0.00	0.00	1.84	5.52
Wind	19.70	26.08	36.06	50.74	19.70	26.08	36.06	50.74	19.70	26.08	36.06	50.74	397.75
Solar	79.08	94.71	98.92	164.89	243.72	275.16	331.82	329.64	348.72	377.73	404.74	770.04	3519.18
Total NCE Sources	121.30	144.73	157.26	241.99	285.94	325.18	390.17	406.74	390.94	427.76	463.09	847.13	4202.22
Short term sources	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grand Total	4505.12	4495.10	4419.94	4705.29	5018.75	4819.57	5185.31	4915.12	4828.79	4843.07	4850.88	5770.81	58357.73

ANNEXURE 7: MERIT ORDER DISPATCH OF ENERGY FOR FY 2017-18 – APPROVED

Name of the Station	Variable Charge (INR/kWh)	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Total
Thermal-APGenco														
VTPS I	2.59	244.69	252.85	109.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	607.25
VTPS II														
VTPS III														
VTPS IV	2.34	154.06	155.74	54.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	364.31
RTPP I	3.05	81.56	84.28	32.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	197.86
RTPP II	3.05	81.56	84.28	41.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	207.58
RTPP III	3.05	40.78	42.14	20.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	103.36
Sub-total		602.66	619.30	258.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1480.37
Thermal-TSGenco														
KTPS A	2.07	176.97	183.01	139.82	308.59	326.69	281.71	351.07	216.34	323.18	329.44	354.41	387.97	3379.20
KTPS B														
KTPS C														
KTPS V	1.92	156.10	160.84	164.26	254.30	223.80	214.53	253.71	238.13	207.18	262.88	279.00	319.33	2734.05
KTPS VI	2.45	121.55	121.74	97.10	123.90	252.16	97.10	100.34	97.10	100.34	185.88	182.17	100.34	1579.71
RTS B	2.36	11.82	17.27	12.14	33.95	29.86	12.14	12.54	12.14	12.54	23.72	23.88	12.54	214.54
Kakatiya TPP Stage I	2.55	140.69	101.99	98.70	101.99	101.99	98.70	101.99	98.70	101.99	101.99	92.12	101.99	1242.83
Kakatiya TPP Stage II	2.47	347.92	232.63	225.13	232.63	299.23	225.13	232.63	225.13	232.63	232.63	210.12	232.63	2928.43
Sub-total		955.05	817.48	737.14	1055.36	1233.73	929.30	1052.28	887.54	977.86	1136.55	1141.69	1154.80	12078.77
Total Thermal		1557.71	1436.78	995.55	1055.36	1233.73	929.30	1052.28	887.54	977.86	1136.55	1141.69	1154.80	13559.14
Hydel-Inter State														
Machkund PH	-	15.50	15.91	15.19	23.85	24.61	19.88	17.87	17.42	18.62	19.14	19.54	22.58	230.11

Name of the Station	Variable Charge (INR/kWh)	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Total
Tungabharda PH	-	0.99	0.59	0.14	2.70	11.35	11.48	10.34	8.85	5.38	6.37	2.94	3.85	64.98
Priadarshini Jurala HEP	-	0.00	0.00	0.00	7.83	32.85	34.45	16.71	2.62	0.98	0.18	0.00	0.00	95.63
Sub-total		16.48	16.49	15.33	34.38	68.82	65.82	44.92	28.89	24.99	25.69	22.48	26.43	390.72
Hydel-TSGenco														
Nagarjunasagar HES	-	5.23	2.38	5.96	13.43	164.97	155.86	104.49	53.24	33.33	30.02	24.26	36.39	629.55
Nagarjunasagar Left Canal PH	-	0.00	0.00	0.00	0.00	5.31	7.87	9.93	6.16	4.09	1.18	0.00	0.00	34.54
Srisaillam Left Bank HES	-	50.13	0.13	0.00	7.15	219.29	265.19	142.78	37.11	45.79	37.18	44.52	67.68	916.93
Lower Jurala HEP	-	0.00	0.00	0.00	4.93	11.31	11.10	12.73	0.05	0.08	0.03	0.08	0.05	40.37
Pulichintala	-	0.00	0.00	0.00	0.00	24.31	23.52	24.31	0.00	0.00	0.00	0.00	0.00	72.14
Pochampad PH	-	1.80	0.00	0.00	0.98	4.68	4.44	7.95	1.38	1.95	6.29	6.29	4.40	40.17
Nizamsagar HES	-	0.09	0.00	0.00	0.04	0.32	0.98	0.57	0.00	0.44	0.53	0.53	0.80	4.29
Singur HES	-	0.18	0.18	0.18	0.18	0.18	0.71	0.71	0.53	0.53	0.35	0.35	0.35	4.44
Paleru	-	0.01	0.01	0.71	1.43	2.14	2.27	2.39	2.36	2.14	2.38	2.39	1.68	19.91
Peddapalli MHS														
Sub-total		57.43	2.70	6.85	28.13	432.52	471.93	305.86	100.82	88.35	77.96	78.43	111.36	1762.34
Total Hydel		73.91	19.19	22.18	62.51	501.34	537.75	350.79	129.71	113.34	103.65	100.91	137.79	2153.07
Total TSGenco & APGenco		1631.62	1455.97	1017.73	1117.87	1735.07	1467.05	1403.06	1017.25	1091.20	1240.20	1242.60	1292.58	15712.20
Central Sector Generating Stations														
NTPC Ramagundam Stage I & II	2.18	237.53	212.86	133.05	186.40	214.75	186.00	206.93	133.05	229.82	223.85	212.07	243.28	2419.59
NTPC Ramagundam Stage III	2.19	58.82	54.99	32.75	50.52	44.67	32.75	33.84	32.75	42.02	55.85	52.83	60.52	552.30
NTPC Talcher TPS II	1.70	154.35	151.60	120.55	134.09	125.30	131.28	140.29	138.85	155.26	149.92	138.82	156.44	1696.76
NTPC Simhadri Stage I	2.18	355.15	331.49	207.87	338.73	316.94	215.47	300.42	207.87	277.17	336.13	327.13	368.61	3582.99

Name of the Station	Variable Charge (INR/kWh)	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Total
NTPC Simhadri Stage II	2.19	142.55	131.57	83.26	131.15	118.19	83.26	86.03	83.26	86.03	115.62	119.80	103.74	1284.45
NLC TPS II Stage I	2.60	19.70	20.35	19.70	20.35	20.35	19.70	20.35	19.70	20.35	20.35	18.38	20.35	239.64
NLC TPS II Stage II	2.60	36.06	37.26	36.06	37.26	37.26	36.06	37.26	36.06	37.26	37.26	33.66	37.26	438.73
NPC MAPS	2.52	11.33	11.79	11.96	12.54	12.51	9.75	10.81	10.41	7.09	12.07	12.19	12.36	134.81
NPC Kaiga Units 1 & 2	3.13	38.99	36.00	34.78	38.59	35.00	38.42	41.35	39.07	42.69	45.38	39.02	41.58	470.86
NPC Kaiga Units 3 & 4	3.12	41.42	38.24	36.94	40.99	37.18	40.82	43.92	41.50	45.35	48.21	41.45	44.18	500.21
NTECL Vallur TPS	2.50	47.41	43.59	42.19	43.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	176.78
NLC TamilNadu Power Ltd.	2.58	54.19	56.00	54.19	56.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	220.37
NTPC Kudgi Unit 1	1.89	46.50	46.74	30.09	46.74	46.74	45.23	46.74	45.23	46.74	46.74	42.21	46.74	536.43
NTPC Kudgi Unit 2	1.89	0.00	0.00	0.00	0.00	0.00	45.23	46.74	45.23	46.74	46.74	42.21	46.74	319.62
NTPC Kudgi Unit 3	1.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.21	46.74	88.95
Total CSGS		1243.98	1172.49	843.38	1136.95	1008.89	883.96	1014.68	832.96	1036.52	1138.12	1122.01	1228.54	12662.48
APGPCL														
APGPCL I	1.49	1.61	1.25	1.70	1.07	0.61	0.57	0.64	1.07	1.39	1.32	1.17	1.30	13.69
APGPCL II	2.35	4.95	4.43	5.97	3.80	2.15	1.91	2.23	3.72	4.96	4.77	4.23	4.81	47.94
Total APGPCL		6.56	5.68	7.67	4.87	2.76	2.49	2.88	4.79	6.34	6.09	5.40	6.11	61.62
Other Long Term Sources														
TPCIL (Long Term 1)	1.89	155.20	160.38	168.47	165.33	178.62	134.37	162.78	176.62	143.40	123.99	153.91	170.40	1893.47
TPCIL (Long Term 2)	1.82	328.32	339.26	356.39	349.74	377.86	284.24	344.35	373.63	303.34	262.29	325.58	360.47	4005.48
SCCL TPP	1.69	692.17	715.24	692.17	715.24	715.24	692.17	715.24	692.17	715.24	715.24	646.03	715.24	8421.43
CSPDCL	1.20	0.00	0.00	434.90	449.40	449.40	434.90	599.20	579.87	599.20	599.20	541.21	599.20	5286.48
Total		1175.70	1214.89	1651.94	1679.71	1721.12	1545.68	1821.58	1822.29	1761.18	1700.73	1666.73	1845.31	19606.86
NCE Sources														
Biomass	4.41	11.36	13.44	11.78	14.00	11.36	13.44	11.78	14.00	11.36	13.44	11.78	14.00	151.74

Name of the Station	Variable Charge (INR/kWh)	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Total
Bagasse	2.81	0.66	0.00	0.00	0.00	0.66	0.00	0.00	0.00	0.66	0.00	0.00	0.00	1.97
Municipal waste	-	10.51	10.51	10.51	10.51	10.51	10.51	10.51	10.51	10.51	10.51	10.51	10.51	126.07
Industrial waste	4.41	0.00	0.00	0.00	1.84	0.00	0.00	0.00	1.84	0.00	0.00	0.00	1.84	5.52
Wind	-	19.70	26.08	36.06	50.74	19.70	26.08	36.06	50.74	19.70	26.08	36.06	50.74	397.75
Solar	-	79.08	94.71	98.92	164.89	243.72	275.16	331.82	329.64	348.72	377.73	404.74	770.04	3519.18
Total NCE Sources		121.30	144.73	157.26	241.99	285.94	325.18	390.17	406.74	390.94	427.76	463.09	847.13	4202.22
Short term sources	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grand Total		4179.16	3993.76	3677.98	4181.39	4753.78	4224.37	4632.36	4084.03	4286.19	4512.89	4499.82	5219.67	52245.39

ANNEXURE 8: TSSPDCL – COST OF SERVICE

Consumer Category		Generation Cost					
		Demand			Energy		
		Cost	Rate Basis - Contracts/ NCP G-T interface	CoS	Cost	Recovery Basis - Energy Sales	CoS
		INR Crore	MW	INR/kVA/Month	INR Crore	MU	INR/kWh
LT Categories							
LT I (A&B)	Domestic	2547.33	2015.62	1053.16	2029.73	7699.26	2.64
LT II (A, B & C)	Non-Domestic/Commercial	782.18	620.96	1049.70	635.64	2371.94	2.68
LT III (A&B)	Industrial	223.41	174.04	1069.71	230.00	842.08	2.73
LT IV (A&B)	Cottage Industries & Dhobighats	2.61	2.02	1078.57	2.62	9.59	2.73
LT V (A&B)	Irrigation & Agriculture	532.46	2679.72	165.58	1761.13	6824.00	2.58
LT VI (A&B)	Local Bodies, Street Lighting & PWS	232.02	186.01	1039.49	193.28	710.52	2.72
LT VII (A&B)	General Purpose	24.74	19.84	1039.09	19.02	70.73	2.69
LT VIII (A&B)	Temporary Supply	0.83	0.65	1063.80	0.56	2.13	2.61
HT Categories							
HT I	Industry Segregated						
	11 kV	731.51	1411.50	431.88	794.41	3151.31	2.52
	33 kV	875.96	1014.62	719.45	985.86	4154.72	2.37
	132 kV	481.88	470.04	854.33	501.91	2202.69	2.28
HT I(B)	Ferro Alloys						
	11 kV	0.00	0.00	NA	0.00	0.00	NA
	33 kV	0.00	0.00	NA	0.00	0.00	NA
	132 kV	31.16	29.21	889.23	41.90	184.29	2.27
HT II	Others						
	11 kV	365.59	775.21	393.00	368.47	1466.65	2.51

Consumer Category		Generation Cost					
		Demand			Energy		
		Cost	Rate Basis - Contracts/ NCP G-T interface	CoS	Cost	Recovery Basis - Energy Sales	CoS
		INR Crore	MW	INR/kVA/Month	INR Crore	MU	INR/kWh
	33 kV	185.82	243.23	636.66	150.67	631.70	2.39
	132 kV	17.90	25.73	579.98	16.92	74.39	2.27
HT III	Airports, Railways and Bus Stations						
	11 kV	1.85	1.91	806.61	1.40	5.62	2.49
	33 kV	0.00	0.00	NA	0.00	0.00	NA
	132 kV	10.20	18.99	447.52	12.60	55.40	2.27
HT IV(A&B)	Lift Irrigation & Agriculture						
	11 kV	14.72	52.44	233.98	24.03	95.70	2.51
	33 kV	8.53	31.19	227.85	14.17	59.57	2.38
	132 kV	59.13	797.99	61.75	187.61	825.12	2.27
HT V(A)	Railway Traction	22.93	86.38	221.26	32.50	142.94	2.27
HT VI	Townships and Residential Colonies						
	11 kV	23.73	48.86	404.73	21.61	85.94	2.51
	33 kV	13.48	30.16	372.47	11.16	46.78	2.39
	132 kV	0.00	0.00	NA	0.00	0.00	NA
HT	Temporary Supply	7.41	7.28	848.27	8.06	32.12	2.51
HT	RESCOs	0.00	0.00	NA	0.00	0.00	NA
Total		7197.41	10743.59	558.27	8045.22	31745.21	2.53

Consumer Category		Transmission - Inter-State			Transmission - Intra-State		
		Demand			Demand		
		Cost	Rate Basis - Contracts/ NCP G- T interface	CoS	Cost	Rate Basis - Contracts/ NCP G-T interface	CoS
		INR Crore	MW	INR/kVA/Month	INR Crore	MW	INR/kVA/Month
LT Categories							
LT I (A&B)	Domestic	156.67	2015.62	64.77	127.47	2015.62	52.70
LT II (A, B & C)	Non-Domestic/ Commercial	48.26	620.96	64.77	39.27	620.96	52.70
LT III (A&B)	Industrial	13.53	174.04	64.77	11.01	174.04	52.70
LT IV (A&B)	Cottage Industries & Dhobighats	0.16	2.02	64.77	0.13	2.02	52.70
LT V (A&B)	Irrigation & Agriculture	208.28	2679.72	64.77	169.47	2679.72	52.70
LT VI (A&B)	Local Bodies, Street Lighting & PWS	14.46	186.01	64.77	11.76	186.01	52.70
LT VII (A&B)	General Purpose	1.54	19.84	64.77	1.25	19.84	52.70
LT VIII (A&B)	Temporary Supply	0.05	0.65	64.77	0.04	0.65	52.70
HT Categories							
HT I	Industry Segregated						
	11 kV	109.71	1411.50	64.77	89.27	1411.50	52.70
	33 kV	78.86	1014.62	64.77	64.17	1014.62	52.70
	132 kV	36.53	470.04	64.77	29.73	470.04	52.70
HT I(B)	Ferro Alloys						
	11 kV	0.00	0.00	NA	0.00	0.00	NA
	33 kV	0.00	0.00	NA	0.00	0.00	NA
	132 kV	2.27	29.21	64.77	1.85	29.21	52.70
HT II	Others						
	11 kV	60.25	775.21	64.77	49.03	775.21	52.70

Consumer Category		Transmission - Inter-State			Transmission - Intra-State		
		Demand			Demand		
		Cost	Rate Basis - Contracts/ NCP G- T interface	CoS	Cost	Rate Basis - Contracts/ NCP G-T interface	CoS
		INR Crore	MW	INR/kVA/Month	INR Crore	MW	INR/kVA/Month
	33 kV	18.91	243.23	64.77	15.38	243.23	52.70
	132 kV	2.00	25.73	64.77	1.63	25.73	52.70
HT III	Airports, Railways and Bus Stations						
	11 kV	0.15	1.91	64.77	0.12	1.91	52.70
	33 kV	0.00	0.00	NA	0.00	0.00	NA
	132 kV	1.48	18.99	64.77	1.20	18.99	52.70
HT IV(A&B)	Lift Irrigation & Agriculture						
	11 kV	4.08	52.44	64.77	3.32	52.44	52.70
	33 kV	2.42	31.19	64.77	1.97	31.19	52.70
	132 kV	62.02	797.99	64.77	50.47	797.99	52.70
HT V(A)	Railway Traction	6.71	86.38	64.77	5.46	86.38	52.70
HT VI	Townships and Residential Colonies						
	11 kV	3.80	48.86	64.77	3.09	48.86	52.70
	33 kV	2.34	30.16	64.77	1.91	30.16	52.70
	132 kV	0.00	0.00	NA	0.00	0.00	NA
HT	Temporary Supply	0.57	7.28	64.77	0.46	7.28	52.70
HT	RESCOs	0.00	0.00	NA	0.00	0.00	NA
Total		835.05	10743.59	64.77	679.45	10743.59	52.70

Consumer Category		Distribution			Retail Supply		
		Demand			Energy		
		Cost	Rate Basis - Contracts/ NCP G-T interface	CoS	Cost	Recovery Basis - Energy Sales	CoS
		INR Crore	MW	INR/kVA/Month	INR Crore	MU	INR/kWh
LT Categories							
LT I (A&B)	Domestic	519.11	2015.62	214.62	47.22	7699.26	0.06
LT II (A, B & C)	Non-Domestic/Commercial	159.92	620.96	214.62	14.79	2371.94	0.06
LT III (A&B)	Industrial	44.82	174.04	214.62	5.35	842.08	0.06
LT IV (A&B)	Cottage Industries & Dhobighats	0.52	2.02	214.62	0.06	9.59	0.06
LT V (A&B)	Irrigation & Agriculture	690.14	2679.72	214.62	40.97	6824.00	0.06
LT VI (A&B)	Local Bodies, Street Lighting & PWS	47.91	186.01	214.62	4.50	710.52	0.06
LT VII (A&B)	General Purpose	5.11	19.84	214.62	0.44	70.73	0.06
LT VIII (A&B)	Temporary Supply	0.17	0.65	214.62	0.01	2.13	0.06
HT Categories							
HT I	Industry Segregated						
	11 kV	250.37	1411.50	147.82	18.48	3151.31	0.06
	33 kV	33.72	1014.62	27.70	22.94	4154.72	0.06
	132 kV	0.00	470.04	0.00	11.68	2202.69	0.05
HT I(B)	Ferro Alloys						
	11 kV	0.00	0.00	NA	0.00	0.00	NA
	33 kV	0.00	0.00	NA	0.00	0.00	NA
	132 kV	0.00	29.21	0.00	0.97	184.29	0.05
HT II	Others						

Consumer Category	Distribution			Retail Supply			
	Demand			Energy			
	Cost	Rate Basis - Contracts/ NCP G-T interface	CoS	Cost	Recovery Basis - Energy Sales	CoS	
	INR Crore	MW	INR/kVA/Month	INR Crore	MU	INR/kWh	
	11 kV	137.51	775.21	147.82	8.57	1466.65	0.06
	33 kV	8.08	243.23	27.70	3.51	631.70	0.06
	132 kV	0.00	25.73	0.00	0.39	74.39	0.05
HT III	Airports, Railways and Bus Stations						
	11 kV	0.34	1.91	147.82	0.03	5.62	0.06
	33 kV	0.00	0.00	NA	0.00	0.00	NA
	132 kV	0.00	18.99	0.00	0.29	55.40	0.05
HT IV(A&B)	Lift Irrigation & Agriculture						
	11 kV	9.30	52.44	147.82	0.56	95.70	0.06
	33 kV	1.04	31.19	27.70	0.33	59.57	0.06
	132 kV	0.00	797.99	0.00	4.36	825.12	0.05
HT V(A)	Railway Traction	0.00	86.38	0.00	0.76	142.94	0.05
HT VI	Townships and Residential Colonies						
	11 kV	8.67	48.86	147.82	0.50	85.94	0.06
	33 kV	1.00	30.16	27.70	0.26	46.78	0.06
	132 kV	0.00	0.00	NA	0.00	0.00	NA
HT	Temporary Supply	1.29	7.28	147.82	0.19	32.12	0.06
HT	RESCOs	0.00	0.00	NA	0.00	0.00	NA

Consumer Category	Distribution			Retail Supply		
	Demand			Energy		
	Cost	Rate Basis - Contracts/ NCP G-T interface	CoS	Cost	Recovery Basis - Energy Sales	CoS
	INR Crore	MW	INR/kVA/Month	INR Crore	MU	INR/kWh
Total	1919.03	10743.59	148.85	187.16	31745.21	0.06

Consumer Category		Cost Allocation				Cost Allocation		Total Cost	Sales	CoS
		Demand - G	Demand - T	Demand - D	Energy	Demand	Energy			
		INR Crore	INR Crore	INR Crore	INR Crore	INR Crore	INR Crore	INR Crore	MU	INR/kWh
LT Categories										
LT I (A&B)	Domestic	2547.33	284.14	519.11	2076.95	3350.58	2076.95	5427.52	7699.26	7.05
LT II (A, B & C)	Non-Domestic/ Commercial	782.18	87.54	159.92	650.43	1029.64	650.43	1680.06	2371.94	7.08
LT III (A&B)	Industrial	223.41	24.53	44.82	235.35	292.77	235.35	528.11	842.08	6.27
LT IV (A&B)	Cottage Industries & Dhobighats	2.61	0.28	0.52	2.68	3.41	2.68	6.09	9.59	6.35
LT V (A&B)	Irrigation & Agriculture	532.46	377.75	690.14	1802.10	1600.36	1802.10	3402.46	6824.00	4.99
LT VI (A&B)	Local Bodies, Street Lighting & PWS	232.02	26.22	47.91	197.78	306.15	197.78	503.93	710.52	7.09
LT VII (A&B)	General Purpose	24.74	2.80	5.11	19.46	32.65	19.46	52.10	70.73	7.37
LT VIII (A&B)	Temporary Supply	0.83	0.09	0.17	0.57	1.09	0.57	1.66	2.13	7.80
HT Categories										
HT I	Industry Segregated									

Consumer Category	Cost Allocation				Cost Allocation		Total Cost	Sales	CoS	
	Demand - G	Demand - T	Demand - D	Energy	Demand	Energy				
	INR Crore	INR Crore	INR Crore	INR Crore	INR Crore	INR Crore	INR Crore	MU	INR/kWh	
	11 kV	731.51	198.98	250.37	812.89	1180.86	812.89	1993.75	3151.31	6.33
	33 kV	875.96	143.03	33.72	1008.79	1052.70	1008.79	2061.50	4154.72	4.96
	132 kV	481.88	66.26	0.00	513.59	548.14	513.59	1061.73	2202.69	4.82
HT I(B)	Ferro Alloys									
	11 kV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA
	33 kV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA
	132 kV	31.16	4.12	0.00	42.88	35.28	42.88	78.16	184.29	4.24
HT II	Others									
	11 kV	365.59	109.28	137.51	377.05	612.38	377.05	989.43	1466.65	6.75
	33 kV	185.82	34.29	8.08	154.17	228.20	154.17	382.37	631.70	6.05
	132 kV	17.90	3.63	0.00	17.31	21.53	17.31	38.84	74.39	5.22
HT III	Airports, Railways and Bus Stations									
	11 kV	1.85	0.27	0.34	1.43	2.46	1.43	3.89	5.62	6.92
	33 kV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA
	132 kV	10.20	2.68	0.00	12.89	12.87	12.89	25.76	55.40	4.65
HT IV(A&B)	Lift Irrigation & Agriculture									
	11 kV	14.72	7.39	9.30	24.59	31.42	24.59	56.01	95.70	5.85
	33 kV	8.53	4.40	1.04	14.49	13.96	14.49	28.46	59.57	4.78
	132 kV	59.13	112.49	0.00	191.98	171.62	191.98	363.60	825.12	4.41
HT V(A)	Railway Traction	22.93	12.18	0.00	33.26	35.11	33.26	68.37	142.94	4.78
HT VI	Townships and Residential Colonies									
	11 kV	23.73	6.89	8.67	22.11	39.29	22.11	61.40	85.94	7.14
	33 kV	13.48	4.25	1.00	11.42	18.74	11.42	30.15	46.78	6.45
	132 kV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA

Consumer Category		Cost Allocation				Cost Allocation		Total Cost	Sales	CoS
		Demand - G	Demand - T	Demand - D	Energy	Demand	Energy			
		INR Crore	INR Crore	INR Crore	INR Crore	INR Crore	INR Crore	INR Crore	MU	INR/kWh
HT	Temporary Supply	7.41	1.03	1.29	8.25	9.72	8.25	17.97	32.12	5.60
HT	RESCOs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA
Total		7197.41	1514.50	1919.03	8232.39	10630.93	8232.39	18863.32	31745.21	5.94

ANNEXURE 9: TSNPDCL – COST OF SERVICE

Consumer Category		Generation Cost					
		Demand			Energy		
		Cost	Rate Basis - Contracts/ NCP G-T interface	CoS	Cost	Recovery Basis - Energy Sales	CoS
		INR Crore	MW	INR/kVA/Month	INR Crore	MU	INR/kWh
LT Categories							
LT I (A&B)	Domestic	1212.09	699.78	1443.42	834.53	3088.81	2.70
LT II (A, B & C)	Non-Domestic/Commercial	286.38	165.02	1446.18	176.16	644.36	2.73
LT III (A&B)	Industrial	73.38	58.11	1052.19	72.68	246.65	2.95
LT IV (A&B)	Cottage Industries & Dhobighats	2.32	2.03	951.59	2.23	7.76	2.88
LT V (A&B)	Irrigation & Agriculture	437.16	1573.20	231.56	1296.75	4941.00	2.62
LT VI (A&B)	Local Bodies, Street Lighting & PWS	126.27	72.44	1452.65	87.54	282.85	3.10
LT VII (A&B)	General Purpose	20.78	12.16	1424.27	14.07	46.44	3.03
LT VIII (A&B)	Temporary Supply	0.00	0.00	NA	0.00	0.00	NA
HT Categories							
HT I	Industry Segregated						
	11 kV	95.10	255.79	309.81	122.52	525.85	2.33
	33 kV	40.96	51.86	658.24	42.47	184.21	2.31
	132 kV	171.10	141.64	1006.70	159.91	694.65	2.30
HT I(B)	Ferro Alloys						
	11 kV	0.00	0.00	NA	0.00	0.00	NA
	33 kV	0.00	0.00	NA	0.00	0.00	NA
	132 kV	0.00	0.00	NA	0.00	0.00	NA
HT II	Others						

Consumer Category		Generation Cost					
		Demand			Energy		
		Cost	Rate Basis - Contracts/ NCP G-T interface	CoS	Cost	Recovery Basis - Energy Sales	CoS
		INR Crore	MW	INR/kVA/Month	INR Crore	MU	INR/kWh
	11 kV	20.14	48.37	347.05	27.19	116.71	2.33
	33 kV	5.30	8.22	537.30	4.28	18.57	2.31
	132 kV	0.90	9.29	80.92	0.78	3.38	2.30
HT III	Airports, Railways and Bus Stations						
	11 kV	4.23	2.20	1601.42	1.89	8.09	2.33
	33 kV	0.00	0.00	NA	0.00	0.00	NA
	132 kV	0.00	0.00	NA	0.00	0.00	NA
HT IV(A&B)	Lift Irrigation & Agriculture						
	11 kV	28.89	45.39	530.45	29.62	127.15	2.33
	33 kV	33.43	63.26	440.43	35.91	155.73	2.31
	132 kV	240.90	490.74	409.08	218.22	947.92	2.30
HT V(A)	Railway Traction	82.44	122.60	560.39	95.75	415.92	2.30
HT VI	Townships and Residential Colonies						
	11 kV	3.70	3.72	830.04	2.78	11.94	2.33
	33 kV	9.09	8.73	867.71	11.27	48.90	2.31
	132 kV	22.04	18.16	1011.34	23.18	100.69	2.30
HT	Temporary Supply	0.00	0.00	NA	0.00	0.00	NA
HT	RESCOs	98.50	116.23	706.23	174.70	749.83	2.33
	Total	3015.12	3968.93	633.07	3434.45	13367.40	2.57

Consumer Category		Transmission - Inter-State			Transmission - Intra-State		
		Demand			Demand		
		Cost	Rate Basis - Contracts/ NCP G-T interface	CoS	Cost	Rate Basis - Contracts/ NCP G-T interface	CoS
		INR Crore	MW	INR/kVA/Month	INR Crore	MW	INR/kVA/Month
LT Categories							
LT I (A&B)	Domestic	59.76	699.78	71.17	56.72	699.78	67.54
LT II (A, B & C)	Non-Domestic/Commercial	14.09	165.02	71.17	13.38	165.02	67.54
LT III (A&B)	Industrial	4.96	58.11	71.17	4.71	58.11	67.54
LT IV (A&B)	Cottage Industries & Dhobighats	0.17	2.03	71.17	0.16	2.03	67.54
LT V (A&B)	Irrigation & Agriculture	134.36	1573.20	71.17	127.51	1573.20	67.54
LT VI (A&B)	Local Bodies, Street Lighting & PWS	6.19	72.44	71.17	5.87	72.44	67.54
LT VII (A&B)	General Purpose	1.04	12.16	71.17	0.99	12.16	67.54
LT VIII (A&B)	Temporary Supply	0.00	0.00	NA	0.00	0.00	NA
HT Categories							
HT I	Industry Segregated						
	11 kV	21.85	255.79	71.17	20.73	255.79	67.54
	33 kV	4.43	51.86	71.17	4.20	51.86	67.54
	132 kV	12.10	141.64	71.17	11.48	141.64	67.54
HT I(B)	Ferro Alloys						
	11 kV	0.00	0.00	NA	0.00	0.00	NA
	33 kV	0.00	0.00	NA	0.00	0.00	NA
	132 kV	0.00	0.00	NA	0.00	0.00	NA
HT II	Others						
	11 kV	4.13	48.37	71.17	3.92	48.37	67.54
	33 kV	0.70	8.22	71.17	0.67	8.22	67.54

Consumer Category		Transmission - Inter-State			Transmission - Intra-State		
		Demand			Demand		
		Cost	Rate Basis - Contracts/ NCP G-T interface	CoS	Cost	Rate Basis - Contracts/ NCP G-T interface	CoS
		INR Crore	MW	INR/kVA/Month	INR Crore	MW	INR/kVA/Month
	132 kV	0.79	9.29	71.17	0.75	9.29	67.54
HT III	Airports, Railways and Bus Stations						
	11 kV	0.19	2.20	71.17	0.18	2.20	67.54
	33 kV	0.00	0.00	NA	0.00	0.00	NA
	132 kV	0.00	0.00	NA	0.00	0.00	NA
HT IV(A&B)	Lift Irrigation & Agriculture						
	11 kV	3.88	45.39	71.17	3.68	45.39	67.54
	33 kV	5.40	63.26	71.17	5.13	63.26	67.54
	132 kV	41.91	490.74	71.17	39.77	490.74	67.54
HT V(A)	Railway Traction	10.47	122.60	71.17	9.94	122.60	67.54
HT VI	Townships and Residential Colonies						
	11 kV	0.32	3.72	71.17	0.30	3.72	67.54
	33 kV	0.75	8.73	71.17	0.71	8.73	67.54
	132 kV	1.55	18.16	71.17	1.47	18.16	67.54
HT	Temporary Supply	0.00	0.00	NA	0.00	0.00	NA
HT	RESCOs	9.93	116.23	71.17	9.42	116.23	67.54
	Total	338.97	3968.93	71.17	321.68	3968.93	67.54

Consumer Category		Distribution			Retail Supply		
		Demand			Energy		
		Cost	Rate Basis - Contracts/ NCP G-T interface	CoS	Cost	Recovery Basis - Energy Sales	CoS
		INR Crore	MW	INR/kVA/Month	INR Crore	MU	INR/kWh
LT Categories							
LT I (A&B)	Domestic	285.72	699.78	340.25	15.20	3088.81	0.05
LT II (A, B & C)	Non-Domestic/Commercial	67.38	165.02	340.25	3.21	644.36	0.05
LT III (A&B)	Industrial	23.73	58.11	340.25	1.32	246.65	0.05
LT IV (A&B)	Cottage Industries & Dhobighats	0.83	2.03	340.25	0.04	7.76	0.05
LT V (A&B)	Irrigation & Agriculture	642.34	1573.20	340.25	23.62	4941.00	0.05
LT VI (A&B)	Local Bodies, Street Lighting & PWS	29.58	72.44	340.25	1.59	282.85	0.06
LT VII (A&B)	General Purpose	4.96	12.16	340.25	0.26	46.44	0.06
LT VIII (A&B)	Temporary Supply	0.00	0.00	NA	0.00	0.00	NA
HT Categories							
HT I	Industry Segregated						
	11 kV	97.09	255.79	316.32	2.23	525.85	0.04
	33 kV	10.53	51.86	169.19	0.77	184.21	0.04
	132 kV	0.00	141.64	0.00	2.91	694.65	0.04
HT I(B)	Ferro Alloys						
	11 kV	0.00	0.00	NA	0.00	0.00	NA
	33 kV	0.00	0.00	NA	0.00	0.00	NA
	132 kV	0.00	0.00	NA	0.00	0.00	NA
HT II	Others						
	11 kV	18.36	48.37	316.32	0.50	116.71	0.04
	33 kV	1.67	8.22	169.19	0.08	18.57	0.04
	132 kV	0.00	9.29	0.00	0.01	3.38	0.04

Consumer Category		Distribution			Retail Supply		
		Demand			Energy		
		Cost	Rate Basis - Contracts/ NCP G-T interface	CoS	Cost	Recovery Basis - Energy Sales	CoS
		INR Crore	MW	INR/kVA/Month	INR Crore	MU	INR/kWh
HT III	Airports, Railways and Bus Stations						
	11 kV	0.84	2.20	316.32	0.03	8.09	0.04
	33 kV	0.00	0.00	NA	0.00	0.00	NA
	132 kV	0.00	0.00	NA	0.00	0.00	NA
HT IV(A&B)	Lift Irrigation & Agriculture						
	11 kV	17.23	45.39	316.32	0.54	127.15	0.04
	33 kV	12.84	63.26	169.19	0.65	155.73	0.04
	132 kV	0.00	490.74	0.00	3.97	947.92	0.04
HT V(A)	Railway Traction	0.00	122.60	0.00	1.74	415.92	0.04
HT VI	Townships and Residential Colonies						
	11 kV	1.41	3.72	316.32	0.05	11.94	0.04
	33 kV	1.77	8.73	169.19	0.21	48.90	0.04
	132 kV	0.00	18.16	0.00	0.42	100.69	0.04
HT	Temporary Supply	0.00	0.00	NA	0.00	0.00	NA
HT	RESCOs	44.12	116.23	316.32	3.18	749.83	0.04
	Total	1260.39	3968.93	264.64	62.55	13367.40	0.05

Consumer Category		Cost Allocation				Cost Allocation		Total Cost	Sales	CoS
		Demand - G	Demand - T	Demand - D	Energy	Demand	Energy			
		INR Crore	INR Crore	INR Crore	INR Crore	INR Crore	INR Crore	INR Crore	INR Crore	MU
LT Categories										
LT I (A&B)	Domestic	1212.09	116.48	285.72	849.72	1614.29	849.72	2464.01	3088.81	7.98
LT II (A, B & C)	Non-Domestic/Commercial	286.38	27.47	67.38	179.37	381.23	179.37	560.60	644.36	8.70
LT III (A&B)	Industrial	73.38	9.67	23.73	74.00	106.78	74.00	180.78	246.65	7.33
LT IV (A&B)	Cottage Industries & Dhobighats	2.32	0.34	0.83	2.27	3.49	2.27	5.76	7.76	7.42
LT V (A&B)	Irrigation & Agriculture	437.16	261.87	642.34	1320.37	1341.36	1320.37	2661.73	4941.00	5.39
LT VI (A&B)	Local Bodies, Street Lighting & PWS	126.27	12.06	29.58	89.14	167.91	89.14	257.05	282.85	9.09
LT VII (A&B)	General Purpose	20.78	2.02	4.96	14.33	27.77	14.33	42.09	46.44	9.06
LT VIII (A&B)	Temporary Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA
HT Categories										
HT I	Industry Segregated									
	11 kV	95.10	42.58	97.09	124.75	234.77	124.75	359.52	525.85	6.84
	33 kV	40.96	8.63	10.53	43.25	60.12	43.25	103.37	184.21	5.61
	132 kV	171.10	23.58	0.00	162.83	194.68	162.83	357.51	694.65	5.15
HT I(B)	Ferro Alloys									
	11 kV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA
	33 kV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA
	132 kV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA
HT II	Others									
	11 kV	20.14	8.05	18.36	27.69	46.55	27.69	74.24	116.71	6.36

Consumer Category		Cost Allocation				Cost Allocation		Total Cost	Sales	CoS
		Demand - G	Demand - T	Demand - D	Energy	Demand	Energy			
		INR Crore	INR Crore	INR Crore	INR Crore	INR Crore	INR Crore	INR Crore	MU	INR/kWh
	33 kV	5.30	1.37	1.67	4.36	8.33	4.36	12.69	18.57	6.84
	132 kV	0.90	1.55	0.00	0.79	2.45	0.79	3.24	3.38	9.59
HT III	Airports, Railways and Bus Stations									
	11 kV	4.23	0.37	0.84	1.92	5.43	1.92	7.35	8.09	9.08
	33 kV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA
	132 kV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA
HT IV(A&B)	Lift Irrigation & Agriculture									
	11 kV	28.89	7.56	17.23	30.16	53.68	30.16	83.84	127.15	6.59
	33 kV	33.43	10.53	12.84	36.56	56.81	36.56	93.37	155.73	6.00
	132 kV	240.90	81.69	0.00	222.19	322.59	222.19	544.78	947.92	5.75
HT V(A)	Railway Traction	82.44	20.41	0.00	97.49	102.85	97.49	200.34	415.92	4.82
HT VI	Townships and Residential Colonies									
	11 kV	3.70	0.62	1.41	2.83	5.74	2.83	8.57	11.94	7.18
	33 kV	9.09	1.45	1.77	11.48	12.31	11.48	23.79	48.90	4.87
	132 kV	22.04	3.02	0.00	23.60	25.07	23.60	48.67	100.69	4.83
HT	Temporary Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA
HT	RESCOs	98.50	19.35	44.12	177.89	161.97	177.89	339.86	749.83	4.53
	Total	3015.12	660.65	1260.39	3497.00	4936.16	3497.00	8433.16	13367.40	6.31

ANNEXURE 10: BOTH THE DISCOMS – COST OF SERVICE

Consumer Category		Generation Cost					
		Demand			Energy		
		Cost	Rate Basis - Contracts/ NCP G-T interface	CoS	Cost	Recovery Basis - Energy Sales	CoS
		INR Crore	MW	INR/kVA/Month	INR Crore	MU	INR/kWh
LT Categories							
LT I (A&B)	Domestic	3759.42	2715.40	1153.74	2864.25	10788.07	2.66
LT II (A, B & C)	Non-Domestic/Commercial	1068.56	785.98	1132.94	811.80	3016.29	2.69
LT III (A&B)	Industrial	296.78	232.16	1065.32	302.67	1088.73	2.78
LT IV (A&B)	Cottage Industries & Dhobighats	4.93	4.05	1014.83	4.85	17.35	2.80
LT V (A, B & C)	Irrigation & Agriculture	969.62	4252.93	189.99	3057.88	11765.00	2.60
LT VI (A&B)	Local Bodies, Street Lighting & PWS	358.30	258.45	1155.29	280.82	993.37	2.83
LT VII (A&B)	General Purpose	45.52	32.00	1185.44	33.09	117.17	2.82
LT VIII (A&B)	Temporary Supply	0.83	0.65	1063.80	0.56	2.13	2.61
HT Categories							
HT I	Industry Segregated						
	11 kV	826.61	1667.29	413.15	916.93	3677.16	2.49
	33 kV	916.92	1066.48	716.47	1028.33	4338.93	2.37
	132 kV	652.99	611.67	889.62	661.83	2897.34	2.28
HT I(B)	Ferro Alloys						
	11 kV	0.00	0.00	NA	0.00	0.00	NA

Consumer Category		Generation Cost					
		Demand			Energy		
		Cost	Rate Basis - Contracts/ NCP G-T interface	CoS	Cost	Recovery Basis - Energy Sales	CoS
		INR Crore	MW	INR/kVA/Month	INR Crore	MU	INR/kWh
	33 kV	0.00	0.00	NA	0.00	0.00	NA
	132 kV	31.16	29.21	889.23	41.90	184.29	2.27
HT II	Others						
	11 kV	385.74	823.58	390.31	395.67	1583.36	2.50
	33 kV	191.12	251.45	633.41	154.95	650.27	2.38
	132 kV	18.81	35.01	447.59	17.69	77.77	2.28
HT III	Airports, Railways and Bus Stations						
	11 kV	6.08	4.11	1231.88	3.28	13.71	2.39
	33 kV	0.00	0.00	NA	0.00	0.00	NA
	132 kV	10.20	18.99	447.52	12.60	55.40	2.27
HT IV(A&B)	Lift Irrigation & Agriculture						
	11 kV	43.62	97.83	371.53	53.65	222.85	2.41
	33 kV	41.96	94.45	370.23	50.07	215.30	2.33
	132 kV	300.03	1288.73	194.01	405.83	1773.04	2.29
HT V(A)	Railway Traction	105.38	208.98	420.21	128.25	558.86	2.29
HT VI	Townships and Residential Colonies						
	11 kV	27.44	52.58	434.81	24.39	97.88	2.49
	33 kV	22.57	38.89	483.60	22.43	95.68	2.34
	132 kV	22.04	18.16	1011.34	23.18	100.69	2.30

Consumer Category		Generation Cost					
		Demand			Energy		
		Cost	Rate Basis - Contracts/ NCP G-T interface	CoS	Cost	Recovery Basis - Energy Sales	CoS
		INR Crore	MW	INR/kVA/Month	INR Crore	MU	INR/kWh
HT	Temporary Supply	7.41	7.28	848.27	8.06	32.12	2.51
HT	RESCOs	98.50	116.23	706.23	174.70	749.83	2.33
Total		10212.53	14712.52	578.45	11479.67	45112.61	2.54

Consumer Category		Transmission - Inter-State			Transmission - Intra-State		
		Demand			Demand		
		Cost	Rate Basis - Contracts/ NCP G-T interface	CoS	Cost	Rate Basis - Contracts/ NCP G-T interface	CoS
		INR Crore	MW	INR/kVA/Month	INR Crore	MW	INR/kVA/Month
LT Categories							
LT I (A&B)	Domestic	216.43	2715.40	66.42	184.19	2715.40	56.53
LT II (A, B & C)	Non-Domestic/Commercial	62.36	785.98	66.11	52.65	785.98	55.82
LT III (A&B)	Industrial	18.49	232.16	66.37	15.72	232.16	56.42
LT IV (A&B)	Cottage Industries & Dhobighats	0.33	4.05	67.98	0.29	4.05	60.15
LT V (A, B & C)	Irrigation & Agriculture	342.64	4252.93	67.14	296.98	4252.93	58.19
LT VI	Local Bodies, Street Lighting &	20.64	258.45	66.57	17.63	258.45	56.86

Consumer Category		Transmission - Inter-State			Transmission - Intra-State		
		Demand			Demand		
		Cost	Rate Basis - Contracts/ NCP G- T interface	CoS	Cost	Rate Basis - Contracts/ NCP G- T interface	CoS
		INR Crore	MW	INR/kVA/Month	INR Crore	MW	INR/kVA/Month
(A&B)	PWS						
LT VII (A&B)	General Purpose	2.58	32.00	67.20	2.24	32.00	58.34
LT VIII (A&B)	Temporary Supply	0.05	0.65	64.77	0.04	0.65	52.70
HT Categories							
HT I	Industry Segregated						
	11 kV	131.56	1667.29	65.75	110.00	1667.29	54.98
	33 kV	83.29	1066.48	65.08	68.37	1066.48	53.42
	132 kV	48.63	611.67	66.25	41.21	611.67	56.14
HT I(B)	Ferro Alloys						
	11 kV	0.00	0.00	NA	0.00	0.00	NA
	33 kV	0.00	0.00	NA	0.00	0.00	NA
	132 kV	2.27	29.21	64.77	1.85	29.21	52.70
HT II	Others						
	11 kV	64.38	823.58	65.15	52.95	823.58	53.57
	33 kV	19.61	251.45	64.98	16.05	251.45	53.19
	132 kV	2.79	35.01	66.47	2.38	35.01	56.64
HT III	Airports, Railways and Bus Stations						
	11 kV	0.34	4.11	68.20	0.30	4.11	60.64
	33 kV	0.00	0.00	NA	0.00	0.00	NA

Consumer Category	Transmission - Inter-State				Transmission - Intra-State		
	Demand				Demand		
	Cost	Rate Basis - Contracts/ NCP G- T interface	CoS	Cost	Rate Basis - Contracts/ NCP G- T interface	CoS	
	INR Crore	MW	INR/kVA/Month	INR Crore	MW	INR/kVA/Month	
	132 kV	1.48	18.99	64.77	1.20	18.99	52.70
HT IV(A&B)	Lift Irrigation & Agriculture						
	11 kV	7.95	97.83	67.74	7.00	97.83	59.59
	33 kV	7.83	94.45	69.06	7.10	94.45	62.64
	132 kV	103.94	1288.73	67.21	90.24	1288.73	58.35
HT V(A)	Railway Traction	17.18	208.98	68.53	15.40	208.98	61.41
HT VI	Townships and Residential Colonies						
	11 kV	4.12	52.58	65.22	3.39	52.58	53.75
	33 kV	3.09	38.89	66.21	2.61	38.89	56.03
	132 kV	1.55	18.16	71.17	1.47	18.16	67.54
HT	Temporary Supply	0.57	7.28	64.77	0.46	7.28	52.70
HT	RESCOs	9.93	116.23	71.17	9.42	116.23	67.54
	Total	1174.02	14712.52	66.50	1001.13	14712.52	56.71

Consumer Category	Distribution			Retail Supply		
	Demand			Energy		
	Cost	Rate Basis - Contracts/ NCP G-T interface	CoS	Cost	Recovery Basis - Energy Sales	CoS
	Rs. Crore	MW	Rs./kVA/Month	Rs. Crore	MU	Rs./kWh

Consumer Category		Distribution			Retail Supply		
		Demand			Energy		
		Cost	Rate Basis - Contracts/ NCP G-T interface	CoS	Cost	Recovery Basis - Energy Sales	CoS
		Rs. Crore	MW	Rs./kVA/Month	Rs. Crore	MU	Rs./kWh
LT Categories							
LT I (A&B)	Domestic	804.83	2715.40	247.00	62.42	10788.07	0.06
LT II (A, B & C)	Non-Domestic/Commercial	227.30	785.98	241.00	18.00	3016.29	0.06
LT III (A&B)	Industrial	68.55	232.16	246.07	6.67	1088.73	0.06
LT IV (A&B)	Cottage Industries & Dhobighats	1.35	4.05	277.68	0.10	17.35	0.06
LT V (A, B & C)	Irrigation & Agriculture	1332.48	4252.93	261.09	64.59	11765.00	0.05
LT VI (A&B)	Local Bodies, Street Lighting & PWS	77.48	258.45	249.83	6.09	993.37	0.06
LT VII (A&B)	General Purpose	10.07	32.00	262.35	0.70	117.17	0.06
LT VIII (A&B)	Temporary Supply	0.17	0.65	214.62	0.01	2.13	0.06
HT Categories							
HT I	Industry Segregated						
	11 kV	347.47	1667.29	173.67	20.71	3677.16	0.06
	33 kV	44.25	1066.48	34.58	23.71	4338.93	0.05
	132 kV	0.00	611.67	0.00	14.59	2897.34	0.05
HT I(B)	Ferro Alloys						
	11 kV	0.00	0.00	NA	0.00	0.00	NA
	33 kV	0.00	0.00	NA	0.00	0.00	NA
	132 kV	0.00	29.21	0.00	0.97	184.29	0.05

Consumer Category		Distribution			Retail Supply		
		Demand			Energy		
		Cost	Rate Basis - Contracts/ NCP G-T interface	CoS	Cost	Recovery Basis - Energy Sales	CoS
		Rs. Crore	MW	Rs./kVA/Month	Rs. Crore	MU	Rs./kWh
HT II	Others						
	11 kV	155.87	823.58	157.71	9.07	1583.36	0.06
	33 kV	9.75	251.45	32.32	3.58	650.27	0.06
	132 kV	0.00	35.01	0.00	0.41	77.77	0.05
HT III	Airports, Railways and Bus Stations						
	11 kV	1.17	4.11	237.98	0.07	13.71	0.05
	33 kV	0.00	0.00	NA	0.00	0.00	NA
	132 kV	0.00	18.99	0.00	0.29	55.40	0.05
HT IV(A&B)	Lift Irrigation & Agriculture						
	11 kV	26.53	97.83	226.00	1.10	222.85	0.05
	33 kV	13.88	94.45	122.46	0.98	215.30	0.05
	132 kV	0.00	1288.73	0.00	8.34	1773.04	0.05
HT V(A)	Railway Traction	0.00	208.98	0.00	2.50	558.86	0.04
HT VI	Townships and Residential Colonies						
	11 kV	10.08	52.58	159.74	0.55	97.88	0.06
	33 kV	2.77	38.89	59.45	0.46	95.68	0.05
	132 kV	0.00	18.16	0.00	0.42	100.69	0.04
HT	Temporary Supply	1.29	7.28	147.82	0.19	32.12	0.06
HT	RESCOs	44.12	116.23	316.32	3.18	749.83	0.04
Total		3179.42	14712.52	180.09	249.71	45112.61	0.06

Consumer Category		Cost Allocation				Cost Allocation		Total Cost	Sales	CoS
		Demand - G	Demand - T	Demand - D	Energy	Demand	Energy			
		INR Crore	INR Crore	INR Crore	INR Crore	INR Crore	INR Crore	INR Crore	MU	INR/kWh
LT Categories										
LT I (A&B)	Domestic	3759.42	400.62	804.83	2926.67	4964.87	2926.67	7891.54	10788.07	7.32
LT II (A, B & C)	Non-Domestic/Commercial	1068.56	115.00	227.30	829.80	1410.87	829.80	2240.67	3016.29	7.43
LT III (A&B)	Industrial	296.78	34.21	68.55	309.34	399.54	309.34	708.89	1088.73	6.51
LT IV (A&B)	Cottage Industries & Dhobighats	4.93	0.62	1.35	4.95	6.90	4.95	11.85	17.35	6.83
LT V (A, B & C)	Irrigation & Agriculture	969.62	639.62	1332.48	3122.47	2941.72	3122.47	6064.19	11765.00	5.15
LT VI (A&B)	Local Bodies, Street Lighting & PWS	358.30	38.28	77.48	286.91	474.06	286.91	760.97	993.37	7.66
LT VII (A&B)	General Purpose	45.52	4.82	10.07	33.79	60.41	33.79	94.20	117.17	8.04
LT VIII (A&B)	Temporary Supply	0.83	0.09	0.17	0.57	1.09	0.57	1.66	2.13	7.80
HT Categories										
HT I	Industry Segregated									
	11 kV	826.61	241.55	347.47	937.64	1415.63	937.64	2353.27	3677.16	6.40
	33 kV	916.92	151.66	44.25	1052.04	1112.83	1052.04	2164.87	4338.93	4.99
	132 kV	652.99	89.84	0.00	676.41	742.82	676.41	1419.24	2897.34	4.90
HT I(B)	Ferro Alloys									
	11 kV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA
	33 kV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA
	132 kV	31.16	4.12	0.00	42.88	35.28	42.88	78.16	184.29	4.24

Consumer Category		Cost Allocation				Cost Allocation		Total Cost	Sales	CoS
		Demand - G	Demand - T	Demand - D	Energy	Demand	Energy			
		INR Crore	INR Crore	INR Crore	INR Crore	INR Crore	INR Crore	INR Crore	MU	INR/kWh
HT II	Others									
	11 kV	385.74	117.33	155.87	404.73	658.93	404.73	1063.67	1583.36	6.72
	33 kV	191.12	35.66	9.75	158.53	236.53	158.53	395.06	650.27	6.08
	132 kV	18.81	5.17	0.00	18.10	23.98	18.10	42.08	77.77	5.41
HT III	Airports, Railways and Bus Stations									
	11 kV	6.08	0.64	1.17	3.35	7.89	3.35	11.24	13.71	8.20
	33 kV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA
	132 kV	10.20	2.68	0.00	12.89	12.87	12.89	25.76	55.40	4.65
HT IV(A&B)	Lift Irrigation & Agriculture									
	11 kV	43.62	14.95	26.53	54.75	85.09	54.75	139.85	222.85	6.28
	33 kV	41.96	14.93	13.88	51.06	70.77	51.06	121.83	215.30	5.66
	132 kV	300.03	194.18	0.00	414.17	494.21	414.17	908.38	1773.04	5.12
HT V(A)	Railway Traction	105.38	32.58	0.00	130.75	137.96	130.75	268.71	558.86	4.81
HT VI	Townships and Residential Colonies									
	11 kV	27.44	7.51	10.08	24.94	45.02	24.94	69.96	97.88	7.15
	33 kV	22.57	5.70	2.77	22.90	31.05	22.90	53.94	95.68	5.64
	132 kV	22.04	3.02	0.00	23.60	25.07	23.60	48.67	100.69	4.83
HT	Temporary Supply	7.41	1.03	1.29	8.25	9.72	8.25	17.97	32.12	5.60
HT	RESCOs	98.50	19.35	44.12	177.89	161.97	177.89	339.86	749.83	4.53
Total		10212.53	2175.15	3179.42	11729.39	15567.10	11729.39	27296.48	45112.61	6.05

ANNEXURE 11: CONSUMER CATEGORY WISE SALES APPROVED IN TRUE-UP OF POWER PURCHASE COST FOR FY 2015-**16**

Consumer Category		Approved in Tariff Order (MU)			Claimed for true-up (MU)			Approved in true-up (MU)		
		SPDCL	NPDCL	Total	SPDCL	NPDCL	Total	SPDCL	NPDCL	Total
LT Category		16648.35	8332.62	24980.97	17310.54	8632.80	25943.34	16628.16	7975.67	24603.83
Category I (A&B)	Domestic	6654.96	2780.32	9435.28	7021.44	2819.02	9840.46	7021.44	2819.02	9840.46
Category II (A, B & C)	Non-Domestic/Commercial	2009.79	577.85	2587.64	2187.51	572.43	2759.94	2187.51	572.43	2759.94
Category III (A&B)	Industrial	808.81	280.83	1089.64	802.25	247.05	1049.31	802.25	247.05	1049.31
Category IV (A&B)	Cottage Industries & Dhobighats	9.19	6.92	16.11	9.12	6.32	15.44	9.12	6.32	15.44
Category V (A, B & C)	Irrigation & Agriculture	6318.00	4340.01	10658.01	6517.67	4671.95	11189.62	5835.30	4014.82	9850.12
Category VI (A&B)	Local Bodies, Street Lighting & PWS	790.72	310.22	1100.94	709.69	277.34	987.04	709.69	277.34	987.04
Category VII (A&B)	General Purpose	56.11	36.47	92.58	61.49	38.69	100.18	61.49	38.69	100.18
Category VIII (A&B)	Temporary Supply	0.77	0.00	0.77	1.36	0.00	1.36	1.36	0.00	1.36
HT Category at 11 kV		4464.75	1447.98	5912.73	4434.30	1249.32	5683.62	4434.30	1249.32	5683.62
HT-I	Industry Segregated	3036.43	564.24	3600.67	2934.05	488.62	3422.67	2934.05	488.62	3422.67
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II	Others	1233.61	100.40	1334.01	1325.20	99.38	1424.58	1325.20	99.38	1424.58
HT-III	Airports, Railways and Bus Stations	4.81	8.63	13.44	5.65	7.97	13.62	5.65	7.97	13.62
HT-IV(A)	Lift Irrigation & Agriculture	32.92	31.02	63.94	19.63	13.72	33.35	19.63	13.72	33.35
HT-IV(B)	CP Water Supply Schemes	36.10	12.95	49.05	35.76	17.64	53.40	35.76	17.64	53.40
HT-VI	Townships and Residential Colonies	80.66	17.32	97.98	79.38	14.48	93.86	79.38	14.48	93.86
HT	Temporary Supply	40.22	0.00	40.22	34.62	0.00	34.62	34.62	0.00	34.62
HT	RESCOs	0.00	713.42	713.42	0.00	607.52	607.52	0.00	607.52	607.52

Consumer Category		Approved in Tariff Order (MU)			Claimed for true-up (MU)			Approved in true-up (MU)		
		SPDCL	NPDCL	Total	SPDCL	NPDCL	Total	SPDCL	NPDCL	Total
HT Category at 33 kV		5838.89	297.97	6136.86	4599.64	286.39	4886.03	4599.64	286.39	4886.03
HT-I	Industry Segregated	5071.48	173.49	5244.97	3955.27	181.06	4136.33	3955.27	181.06	4136.33
HT-I(B)	Ferro Alloys	108.31	47.03	155.34	25.86	0.00	25.86	25.86	0.00	25.86
HT-II	Others	599.35	9.74	609.09	555.09	26.39	581.48	555.09	26.39	581.48
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	13.48	13.48	0.00	13.48	13.48
HT-IV(A)	Lift Irrigation & Agriculture	15.60	28.54	44.14	18.45	21.63	40.08	18.45	21.63	40.08
HT-IV(B)	CP Water Supply Schemes	3.33	0.00	3.33	2.35	0.05	2.40	2.35	0.05	2.40
HT-VI	Townships and Residential Colonies	40.83	39.17	80.00	39.39	43.78	83.17	39.39	43.78	83.17
HT	Temporary Supply	0.00		0.00	3.23	0.00	3.23	3.23	0.00	3.23
HT Category at 132 kV		3067.46	1504.04	4571.50	2739.46	1397.17	4136.63	2739.46	1397.17	4136.63
HT-I	Industry Segregated	2160.56	585.96	2746.52	2001.80	570.94	2572.74	2001.80	570.94	2572.74
HT-I(B)	Ferro Alloys	106.90	0.00	106.90	129.67	0.00	129.67	129.67	0.00	129.67
HT-II	Others	72.63	1.74	74.37	58.52	12.39	70.91	58.52	12.39	70.91
HT-III	Airports, Railways and Bus Stations	63.95	0.00	63.95	58.34	0.00	58.34	58.34	0.00	58.34
HT-IV(A)	Lift Irrigation & Agriculture	463.00	352.58	815.58	342.89	287.74	630.63	342.89	287.74	630.63
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
HT-V(A)	Railway Traction	200.42	470.83	671.25	148.24	430.40	578.64	148.24	430.40	578.64
HT-VI	Townships and Residential Colonies	0.00	92.93	92.93	0.00	95.70	95.70	0.00	95.70	95.70
Total		30019.45	11582.61	41602.06	29083.94	11565.68	40649.62	28401.57	10908.55	39310.11

ANNEXURE 12: SPDCL - TRUE-UP OF POWER PURCHASE COST FOR FY 2015-16

S. No.	Name of the Station	Approved in Tariff Order				Claimed for true-up				Approved in true-up			
		Quantum (MU)	Fixed Cost (INR Crore)	Variable Charges (INR Crore)	Total (INR Crore)	Quantum (MU)	Fixed Cost (INR Crore)	Variable Charges (INR Crore)	Total (INR Crore)	Quantum (MU)	Fixed Cost (INR Crore)	Variable Charges (INR Crore)	Total (INR Crore)
1	TS Genco & AP Genco-Thermal	14893.30	2428.81	4184.05	6612.86	11811.54	1435.99	3381.72	4817.71	11812.08	1478.20	3381.66	4859.86
2	TS Genco & AP Genco-Hydel	2848.56	526.12	0.00	526.12	259.50	545.97		545.97	259.51	646.32	0.00	646.32
3	CSGS	9087.63	898.02	2201.04	3099.06	10135.02	1028.54	2442.78	3471.32	10135.02	1023.69	2442.58	3466.27
4	IPPs	996.77	108.99	270.47	379.46	497.10	97.46	161.70	259.17	497.10	97.46	161.50	258.97
5	APGPCL	64.83	4.48	17.36	21.84	45.52	1.80	13.35	15.14	45.52	1.80	13.35	15.14
6	Other Long Term Sources	5089.71	869.40	1106.23	1975.62	1418.52	282.52	252.65	535.17	1418.52	282.52	252.65	535.17
7	NCS	1271.92	0.00	684.40	684.40	514.66	1.93	262.71	264.64	514.66	1.93	262.71	264.64
8	D-D Purchase	653.25		242.65	242.65					94.91		35.25	35.25
9	D-D Sale				0.00				0.00	0.00		0.00	0.00
10	Market purchase				0.00	8768.74		4819.83	4819.83	8131.88		4469.57	4469.57
	Total	34905.97	4835.82	8706.20	13542.02	33450.61	3394.20	11334.74	14728.94	32909.20	3531.91	11019.28	14551.19

ANNEXURE 13: NPDCL - TRUE-UP OF POWER PURCHASE COST FOR FY 2015-16

S. No.	Name of the Station	Approved in Tariff Order				Claimed for true-up				Approved in true-up			
		Quantum (MU)	Fixed Cost (INR Crore)	Variable Charges (INR Crore)	Total (INR Crore)	Quantum (MU)	Fixed Cost (INR Crore)	Variable Charges (INR Crore)	Total (INR Crore)	Quantum (MU)	Fixed Cost (INR Crore)	Variable Charges (INR Crore)	Total (INR Crore)
1	TS Genco & AP Genco-Thermal	6216.98	1013.87	1746.57	2760.44	4930.54	599.43	1411.65	2011.08	4930.77	617.05	1411.56	2028.61
2	TS Genco & AP Genco-Hydel	1189.08	219.62	0.00	219.62	108.32	227.91	0.00	227.91	108.33	269.80	0.00	269.80
3	CSGS	3793.49	374.87	918.79	1293.66	4230.71	429.35	1019.70	1449.05	4230.71	427.32	1019.52	1446.84
4	IPPs	416.09	45.50	112.90	158.40	207.51	40.68	67.50	108.19	207.51	40.68	67.50	108.19
5	APGPCL	27.06	1.87	7.25	9.12	19.00	0.75	5.57	6.32	19.00	0.75	5.57	6.32
6	Other Long Term Sources	2124.62	362.92	461.78	824.69	592.14	117.93	105.46	223.40	592.14	117.93	105.46	223.40
7	NCS	530.94	0.00	285.69	285.69	312.49	0.80	167.70	168.50	312.49	0.80	167.70	168.50
8	D-D Purchase				0.00				0.00	0.00		0.00	0.00
9	D-D Sale	-653.25		-242.65	-242.65					-94.91		-35.25	-35.25
10	Market purchase				0.00	3660.38	0.00	2011.96	2011.96	2371.70		1303.63	1303.63
	Total	13645.01	2018.64	3290.33	5308.97	14061.10	1416.86	4789.55	6206.40	12677.74	1474.34	4045.69	5520.03

ANNEXURE 14: CONSUMER CATEGORY WISE SALES APPROVED IN PROVISIONAL TRUE-UP OF POWER PURCHASE COST FOR FY 2016-17

Consumer Category		Approved in Tariff Order			Claimed for true-up			Approved in true-up		
		SPDCL	NPDCL	Total	SPDCL	NPDCL	Total	SPDCL	NPDCL	Total
LT Category		18785.16	8923.48	27708.64	19634.37	9762.06	29396.43	17626.12	8417.77	26043.89
Category I (A&B)	Domestic	7749.47	3114.85	10864.32	7084.04	2862.00	9946.03	7084.04	2862.00	9946.03
Category II (A, B & C)	Non-Domestic/Commercial	2299.63	611.96	2911.59	2208.81	596.63	2805.44	2208.81	596.63	2805.44
Category III (A&B)	Industrial	858.55	266.46	1125.01	812.65	244.21	1056.86	812.65	244.21	1056.86
Category IV (A&B)	Cottage Industries & Dhobighats	9.66	6.58	16.24	9.35	7.23	16.58	9.35	7.23	16.58
Category V (A, B & C)	Irrigation & Agriculture	6946.40	4589.01	11535.41	8767.64	5731.03	14498.67	6759.38	4386.75	11146.13
Category VI (A&B)	Local Bodies, Street Lighting & PWS	855.23	293.12	1148.35	684.77	278.86	963.63	684.77	278.86	963.63
Category VII (A&B)	General Purpose	65.63	41.50	107.13	65.01	42.09	107.11	65.01	42.09	107.11
Category VIII (A&B)	Temporary Supply	0.58	0.00	0.58	2.11	0.00	2.11	2.11	0.00	2.11
HT Category at 11 kV		4854.15	1435.02	6289.17	4490.53	1358.90	5849.43	4490.53	1358.90	5849.43
HT-I	Industry Segregated	3128.55	557.71	3686.26	2971.06	490.00	3461.06	2971.06	490.00	3461.06
HT-I(B)	Ferro Alloys	0.00	0.00	0.00	0.10	0.00	0.10	0.10	0.00	0.10
HT-II	Others	1500.60	102.37	1602.97	1346.53	104.15	1450.68	1346.53	104.15	1450.68
HT-III	Airports, Railways and Bus Stations	6.19	8.38	14.57	5.16	7.79	12.95	5.16	7.79	12.95

Consumer Category		Approved in Tariff Order			Claimed for true-up			Approved in true-up		
		SPDCL	NPDCL	Total	SPDCL	NPDCL	Total	SPDCL	NPDCL	Total
HT-IV(A)	Lift Irrigation & Agriculture	27.80	14.11	41.91	26.12	23.00	49.11	26.12	23.00	49.11
HT-IV(B)	CP Water Supply Schemes	58.33	51.46	109.79	28.18	14.75	42.93	28.18	14.75	42.93
HT-VI	Townships and Residential Colonies	93.60	15.90	109.50	81.58	11.82	93.40	81.58	11.82	93.40
HT	Temporary Supply	39.08	0.00	39.08	31.80	0.00	31.80	31.80	0.00	31.80
HT	RESCOs	0.00	685.07	685.07	0.00	707.39	707.39	0.00	707.39	707.39
HT Category at 33 kV		5294.21	428.10	5722.31	3726.58	282.63	4009.22	3726.58	282.63	4009.22
HT-I	Industry Segregated	4504.87	203.03	4707.90	3060.01	177.30	3237.31	3060.01	177.30	3237.31
HT-I(B)	Ferro Alloys	58.48	44.37	102.85	0.00	0.02	0.02	0.00	0.02	0.02
HT-II	Others	606.47	19.89	626.36	598.95	14.42	613.36	598.95	14.42	613.36
HT-III	Airports, Railways and Bus Stations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV(A)	Lift Irrigation & Agriculture	65.28	21.75	87.03	24.64	45.69	70.33	24.64	45.69	70.33
HT-IV(B)	CP Water Supply Schemes	3.64	95.04	98.68	0.40	0.06	0.46	0.40	0.06	0.46
HT-VI	Townships and Residential Colonies	44.03	44.01	88.04	42.59	45.15	87.74	42.59	45.15	87.74
HT	Temporary Supply	11.44	0.00	11.44	0.00	0.00	0.00	0.00	0.00	0.00
HT Category at 132 kV		3825.86	1571.65	5397.51	2992.68	1624.19	4616.86	2992.68	1624.19	4616.86
HT-I	Industry Segregated	2497.52	665.27	3162.79	1770.00	683.79	2453.79	1770.00	683.79	2453.79
HT-I(B)	Ferro Alloys	179.78	0.00	179.78	159.86	0.00	159.86	159.86	0.00	159.86
HT-II	Others	61.16	1.75	62.91	63.67	6.16	69.83	63.67	6.16	69.83

Consumer Category		Approved in Tariff Order			Claimed for true-up			Approved in true-up		
		SPDCL	NPDCL	Total	SPDCL	NPDCL	Total	SPDCL	NPDCL	Total
HT-III	Airports, Railways and Bus Stations	67.45	0.00	67.45	55.36	0.00	55.36	55.36	0.00	55.36
HT-IV(A)	Lift Irrigation & Agriculture	670.48	364.28	1034.76	802.25	422.74	1224.99	802.25	422.74	1224.99
HT-IV(B)	CP Water Supply Schemes	103.68	0.00	103.68	0.00	0.00	0.00	0.00	0.00	0.00
HT-V(A)	Railway Traction	209.07	450.64	659.71	141.53	411.80	553.33	141.53	411.80	553.33
HT-VI	Townships and Residential Colonies	36.72	89.71	126.43	0.00	99.69	99.69	0.00	99.69	99.69
Total		32759.38	12358.26	45117.64	30844.16	13027.78	43871.94	28835.91	11683.49	40519.40



ANNEXURE 15: SPDCL - PROVISIONAL TRUE-UP OF POWER PURCHASE COST FOR FY 2016-17

S. No.	Name of the Station	Approved in Tariff Order					Claimed for Provisional True-up				Approved in Provisional True-up			
		Quantum (MU)	Fixed Cost (INR Crore)	Variable Charges (INR Crore)	Incentive (INR Crore)	Total (INR Crore)	Quantum (MU)	Fixed Cost (INR Crore)	Variable Charges (INR Crore)	Total (INR Crore)	Quantum (MU)	Fixed Cost (INR Crore)	Variable Charges (INR Crore)	Total (INR Crore)
1	TS Genco & AP Genco-Thermal	11370.87	2188.60	3185.91	0.00	5374.50	13647.46	2188.59	4100.36	6288.95	12964.40	2094.31	3584.25	5678.56
2	TS Genco-Hydel	2709.52	741.15	0.00	0.00	741.15	874.34	650.12		650.12	874.23	723.67	0.00	723.67
3	Interest on Pension Bonds		227.17			227.17		227.51		227.51		227.17		227.17
4	CSGS	10736.22	932.97	2465.58	11.99	3410.54	8922.38	869.37	2223.66	3093.02	9658.28	869.27	2412.10	3281.37
5	IPPs	1464.02	8.47	669.77	0.00	678.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	APGPCL	56.97	2.20	15.06	0.00	17.26	49.72	3.08	10.25	13.34	47.64	3.08	10.30	13.39
7	Other Long Term Sources	8495.48	1619.83	1592.40	0.00	3212.23	6878.28	1312.02	1297.17	2609.20	6642.49	1413.40	1190.02	2603.42
8	NCS	1619.00	860.00	99.00	0.00	959.00	1445.35	1.85	845.99	847.84	1339.27	1.74	739.74	741.48
9	D-D Purchase	943.00		468.00		468.00					215.94		107.17	107.17
10	D-D Sale					0.00				0.00	-313.95		-155.81	-155.81
11	Market purchase	291.00		125.00		125.00	2001.81	3.98	923.25	927.23	1878.17		870.12	870.12
12	Savings from Surplus Energy Sale			-155.00		-155.00								
	Total	37686.07	6580.38	8465.72	11.99	15058.10	33819.35	5256.52	9400.68	14657.21	33306.46	5332.64	8757.91	14090.55

ANNEXURE 16: NPDCL - PROVISIONAL TRUE-UP OF POWER PURCHASE COST FOR FY 2016-17

S. No.	Name of the Station	Tariff Order					Provisional True up-Filings				Provisional True up-ABPS Analysis			
		Quantum (MU)	Fixed Cost (INR Crore)	Variable Charges (INR Crore)	Incentive (INR Crore)	Total (INR Crore)	Quantum (MU)	Fixed Cost (INR Crore)	Variable Charges (INR Crore)	Total (INR Crore)	Quantum (MU)	Fixed Cost (INR Crore)	Variable Charges (INR Crore)	Total (INR Crore)
1	TS Genco & AP Genco-Thermal	4746.59	913.59	1329.91		2243.50	5696.92	913.59	1711.63	2625.22	5411.79	874.24	1495.90	2370.14
2	TS Genco-Hydel	1131.04	309.38	0.00		309.38	364.98	271.38		271.38	364.93	302.08	0.00	302.08
3	Interest on Pension Bonds		94.83			94.83		94.97		94.97		94.83		94.83
4	CSGS	4481.67	389.46	1028.93	5.01	1423.39	3824.86	371.98	947.54	1319.51	4031.70	362.86	1006.60	1369.47
5	IPPs	611.13	3.53	279.30		282.83	0.00	0.00	5.40	5.40	0.00	0.00	0.00	0.00
6	APGPCL	23.78	0.92	5.95		6.87	20.76	1.29	4.28	5.57	19.88	1.29	4.30	5.59
7	Other Long Term Sources	3546.31	676.17	664.48		1340.65	2871.23	547.68	541.49	1089.17	2772.80	590.00	496.76	1086.76
8	NCS	781.00	229.00	138.00		367.00	328.29	0.77	171.99	172.76	218.04	1.02	99.88	100.90
9	D-D Purchase					0.00					313.95		155.57	155.57
10	D-D Sale	-943.00		-468.00		-468.00					-215.94		-107.17	-107.17
11	Market purchase					0.00	835.62	1.66	385.39	387.06	619.43		286.60	286.60
12	Savings from Surplus Energy Sale			-64.79		-64.79								
	Total	14378.53	2616.89	2913.77	5.01	5535.67	13942.66	2203.33	3767.72	5971.05	13536.59	2226.32	3438.44	5664.76

BEFORE THE HONOURABLE TELANGANA STATE ELECTRICITY REGULATORY COMMISSION (TSERC)
D.No.11-4-660, 5th Floor, Singareni Bhavan, Red Hills, Hyderabad 500 004

 SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED (TSSPDCL)	 NORTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED (TSNPDCL)																																
PUBLIC NOTICE	PUBLIC NOTICE																																
<p>1. Notice is hereby given to all that the Distribution Company viz. Southern Power Distribution Company of Telangana Ltd., (TSSPDCL) holding Distribution and Retail Supply License No.13/2000 has, on 30-11-2016, filed before the Telangana State Electricity Regulatory Commission (TSERC) the Aggregate Revenue Requirement (ARR) on 30-11-2016 and subsequently on 13-04-2017 filed the Tariff proposals for the Retail Supply business for the FY 2017-18 and Cross Subsidy Surcharge proposals for FY 2017-18. These filings have been taken on record by the Hon'ble Commission in O.P. No. 22 of 2016.</p> <p>2. Copies of the ARR filings and Tariff proposals including cross subsidy surcharge referred above are available in the Office of the Chief General Manager (Comm & RAC), Ground floor, Corporate office, TSSPDCL, Mini Compound, Hyderabad and the Superintending Engineer, Operation circles of the Distribution Company at Hyderabad/Central, Hyderabad/North, Hyderabad/South, Range Reddy(North), Range Reddy(South), Range Reddy(East), Mahabubnagar, Rajgonda and Sangareddy. Interested persons may inspect/peruse the said filings of ARR and Tariff proposals including the Cross Subsidy Surcharge 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 21.04.2017 onwards on payment of Rs.200/- by cash. Also a summary of ARR and Tariff proposals which includes Cross Subsidy Surcharge proposals in English or Telugu can be separately obtained on payment of Rs.10/- by cash.</p> <p>3. Objections/suggestions if any, on the ARR filings and Tariff Charges proposed including the Cross Subsidy Surcharge proposals by the Distribution Company, together with supporting material may be sent to the Chief General Manager (Comm & RAC), Corporate Office, TSSPDCL, Ground floor, Mini Compound, Hyderabad-500003 in person or through Registered Post so as to reach on or before 15-05-2017 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 annexure-</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Name & full address of the Objector</th> <th>Brief details of Objection(s)/Suggestion (s)</th> <th>Whether copy of objection & proposal of delivery at Licensee's office enclosed (Yes/No)</th> <th>Whether Objector wants to be heard in person (Yes/No)</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table> <p>4. The Tariffs and Charges for Retail Supply to consumers and Cross Subsidy Surcharge proposed by the Licensee for FY 2017-18 are indicated in the Schedule below.</p> <p>5. Telangana State Electricity Regulatory Commission intends to conduct a Public Hearing, as scheduled below-</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Name of the Licensee</th> <th>Venue and place of Public Hearing</th> <th>Scheduled date of Public Hearing</th> <th>Timings</th> </tr> </thead> <tbody> <tr> <td>TSSPDCL</td> <td>Federation of Telangana and Andhra Pradesh Chambers of Commerce and Industry, FAAPCCI, Mang. Red Hills Hyderabad</td> <td>06.06.2017 (Tuesday)</td> <td>10.30 hrs to 13.30 hrs & 14.30 hrs to 17.00 hrs</td> </tr> </tbody> </table> <p>Place: Hyderabad Date: 21.04.2017</p> <p style="text-align: center;">CHAIRMAN & MANAGING DIRECTOR Southern Power Distribution Company of Telangana Ltd.</p>	Name & full address of the Objector	Brief details of Objection(s)/Suggestion (s)	Whether copy of objection & proposal of delivery at Licensee's office enclosed (Yes/No)	Whether Objector wants to be heard in person (Yes/No)					Name of the Licensee	Venue and place of Public Hearing	Scheduled date of Public Hearing	Timings	TSSPDCL	Federation of Telangana and Andhra Pradesh Chambers of Commerce and Industry, FAAPCCI, Mang. Red Hills Hyderabad	06.06.2017 (Tuesday)	10.30 hrs to 13.30 hrs & 14.30 hrs to 17.00 hrs	<p>1. Notice is hereby given to all that the Distribution Company viz. Northern Power Distribution Company of Telangana Ltd., (TSNPDCL) holding Distribution and Retail Supply License No.14/2000 has, on 30-11-2016, filed before the Telangana State Electricity Regulatory Commission (TSERC) the Aggregate Revenue Requirement (ARR) on 30-11-2016 and subsequently on 13-04-2017 filed the Tariff proposals for the Retail Supply business for the FY 2017-18 and Cross Subsidy Surcharge proposals for FY 2017-18. These filings have been taken on record by the Hon'ble Commission in O.P. No. 23 of 2016.</p> <p>2. Copies of the ARR filings and Tariff proposals including cross subsidy surcharge referred above are available in the Office of the Chief General Manager (PC & RAC) Corporate Office, TSNPDCL, H.No 2-5-212, Vijaya Bhawan, Nallakota, Hanamkonda-508001 and the Superintending Engineer, Operation circles of the Distribution Company at Warangal, Kurnool/Rangareddy, Warangal and Adilabad. Interested persons may inspect/peruse the said filings of ARR and Tariff proposals including the Cross Subsidy Surcharge proposals and take note thereof during office hours at any of the said offices free of cost. These proposals are also available on www.tsnpdcl.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 21.04.2017 onwards on payment of Rs.200/- by cash. Also a summary of ARR and Tariff proposals which includes Cross Subsidy Surcharge proposals in English or Telugu can be separately obtained on payment of Rs.10/- by cash.</p> <p>3. Objections/suggestions if any, on the ARR filings and Tariff Charges proposed including the Cross Subsidy Surcharge proposals by the Distribution Company, together with supporting material may be sent to the Chief General Manager (PC & RAC), Corporate Office, TSNPDCL, H.No 2-5-212, Vijaya Bhawan, Nallakota, Hanamkonda-508001 in person or through Registered Post so as to reach on or before 15-05-2017 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. 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SCHEDULE I																																	
1. Proposed Aggregate Revenue Requirement	TSSPDCL	TSNPDCL	STATE TOTAL																														
Aggregate Revenue Requirement (Rs. in Cr.)	22,044.56	9,585.89	31,630.45																														
<p>2. Proposed Retail Tariff Schedule for FY 2017-18 The Licensee submits to the Commission for totaling the retail supply tariffs as per the Tariff Order of FY 2016-17 for the ensuing year FY 2017-18. The detailed tariff schedule is placed on the Licensee's website and the same is also available on the Hon'ble Commission's website.</p> <p>3. Cross Subsidy Surcharge proposals for FY 2017-18 for open access consumers The Licensee submits to the Commission to fix the Cross Subsidy Surcharge as per the National Tariff Policy as notified by the Ministry of Power dated 28th Jan, 2010.</p> <p>Note: 1) The tariffs are exclusive of Electricity Duty and is payable as per the provisions of A.P.E. D. Act, 1935 as amended from time to time.</p>																																	
			SAVE ENERGY																														

ANNEXURE 18: LIST OF ACRONYMS

Agl	Agriculture/Agricultural
APEREC	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
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