

Retail Supply Tariffs 2015-16



**ORDER
on
Tariff for Retail Sale of Electricity
during FY2015-16**

23rd March, 2015

**Andhra Pradesh
Electricity Regulatory Commission**
4th Floor, Singareni Bhavan, Red Hills, Lakdi-ka-pul, Hyderabad 500 004



Andhra Pradesh Electricity Regulatory Commission

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Retail Supply Tariff Order for FY2015-16

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In the Areas of Supply of

**Southern Power Distribution Company of A.P. LTD. (APSPDCL) and
Eastern Power Distribution Company of A.P. LTD. (APEPDCL)**

23rd March, 2015

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**ANDHRA PRADESH ELECTRICITY REGULATORY COMMISSION
HYDERABAD**

Present

**Sri. Justice G. Bhavani Prasad, Chairman
Dr. P. Raghu, Member
Sri. P. Rama Mohan, Member**

Dated 23rd March, 2015

In the matter of

TARIFF DETERMINATION FOR RETAIL SALE OF ELECTRICITY DURING FY2015-16

In

O.P.No.1 of 2015

Southern Power Distribution Company of Andhra Pradesh Limited (APSPDCL) and

O.P.No.2 of 2015

Eastern Power Distribution Company of Andhra Pradesh Limited (APEPDCL)

The Aggregate Revenue Requirement (ARR) and Filing for Proposed Tariff (FPT) filed by Southern Power Distribution Company of Andhra Pradesh Limited (APSPDCL or SPDCL), vide O.P.No.1 of 2015 and Eastern Power Distribution Company of Andhra Pradesh Limited (APEPDCL or EPDCL), vide O.P.No.2 of 2015 in respect of their individual Retail Supply businesses for FY2015-16 came up for consideration before the Commission. Upon following the procedure prescribed for determination of such tariff u/s 64 of the Electricity Act, 2003 (Central Act No.36 of 2003) and after careful consideration of the material available on record, the Commission in exercise of the powers vested in it under the said Central Act No.36 of 2003 and the APERC (Terms and Conditions for Determination of Tariff for Wheeling and Retail Sale of Electricity) Regulation, 2005 (Regulation No.4 of 2005); hereby passes this common order:

**ORDER
CHAPTER - I
INTRODUCTION**

1. Consequent to coming into force of the Andhra Pradesh State Reorganization Act, 2014 (Central Act No.6 of 2014) (hereinafter referred to as the Reorganization Act) and in terms of the provisions of Schedule XII (C) (3) read with Section 82 of the said Act, the Government of Andhra Pradesh issued notification in G.O.Ms.No.35, Energy (Power III) Department, dt.01.08.2014 and constituted the Andhra Pradesh Electricity Regulatory Commission.

APERC (Adaptation Regulation), 2014

2. In exercise of the power conferred by Section 181 of the Central Act No.36 of 2003 and all other powers, including those conferred by the Andhra Pradesh Electricity Reform Act, 1998 (State Act No.30 of 1998) and the Reorganization Act, the Commission issued APERC (Adaptation) Regulation, 2014 (Regulation No.4 of 2014) and notified that with effect from 01.08.2014, all regulations made by, all decisions, directions or orders of, and all the licenses and practice directions issued by the Commission in existence as on the date of G.O.Ms.No.35 dt.01.08.2014 referred to above, shall apply in relation to the State of Andhra Pradesh and shall continue to have effect until duly altered, repealed or amended. The said Regulation No.4 of 2014 is published in the Extraordinary Gazette of the State of Andhra Pradesh on 29.11.2014.

Antecedents of Tariff Determination for FY2015-16

3. Regulation No.4 of 2005 notified by the Commission, introduced Multi Year Tariff (MYT) framework and accordingly, each distribution licensee has to file ARR along with FPT with the Commission for determination of Tariff for (a) Distribution business (Wheeling Charges) and (b) Retail Supply Business, for a period of 5 years (called Control Period). The 3rd Control Period covers five years from FY2014-15 to FY2018-19.
4. With regard to determination of Retail Supply Tariff for the 3rd Control Period, the Licensees expressed their inability to submit filings for Retail Supply business for a period of 5 years from FY2014-15 to FY2018-19, as per MYT framework and instead sought the approval of the then Commission to file

ARR and FPT on annual basis for the FY2014-15 citing reasons, viz.,(a) significant uncertainty at that time involved in projection of quantum of power to be purchased from various sources as well as in costs, (b) difficulty in meeting Regulatory objectives in a MYT regime in the then prevailing environment, and (c) the then existing demand side uncertainties associated with sales forecast in MYT regime. The then Commission permitted the Licensees to file the ARR and FPTs for retail supply business for FY2014-15. Accordingly, the four Licensees in the erstwhile State of Andhra Pradesh filed ARR and FPTs for FY2014-15, but the then Commission could not give effect to any determined retail supply tariff for the FY2014-15 for reasons and circumstances beyond its control. The then prevailing rates for the FY2013-14 were permitted to be continued for the FY2014-15 also.

Filing Requirements

5. The Central Act No.36 of 2003 as well as the Regulation No.4 of 2005 mandate that a distribution licensee shall file for each of its licensed business an application, in such form and in such manner as specified and in accordance with the guidelines issued by the Commission, for each year of the Control Period, not less than 120 days before the commencement of the first year of the Control Period, for approval of the Commission. As the SPDCL and EPDCL (hereinafter jointly referred to as the 'Distribution Companies' or 'DISCOMs' or 'Licensees'), have to file their Aggregate Revenue Requirement(ARR) and Filings of Proposed Tariff (FPT) before 30.11.2014 under Regulation No.4 of 2005, the Commission issued Proceedings No.T-2/2014 dt.14.11.2014, directing them to file ARR and FPTs for Retail Supply Business for FY2015-16 by 30.11.2014. Further it was brought to the notice of the licensees that in view of the order dt.11.11.2011 of the Appellate Tribunal for Electricity (hereinafter referred to as the ATE) passed in O.P.No.1 of 2011, the Commission may be compelled to initiate *suo-motu* proceedings for tariff determination, in the event of delay in filing ARR and FPT.

Permission for Annual Filings and Extension of Time for Filings

6. In view of the constraints/difficulties/uncertainties expressed by the Distribution licensees, the Commission permitted them to file ARR and FPTs relating to retail supply business on annual basis for FY2015-16, vide

Proceedings No.T-3/2014 dt.24.11.2014. In view of such constraints/difficulties/uncertainties, time for filing ARRs and FPTs for retail supply business for FY2015-16 was extended upto 15.12.2014, vide Proceedings No.T-4/2014 dt.25.11.2014 and further upto 30.12.2014, vide Proceedings No.T-6/2014 dt.12.12.2014.

***Suo-motu* Tariff Proceedings**

7. On 29.12.2014, an application under Clause 59 of the APERC (Conduct of Business) Regulations, 1999 was filed by the Licensees for extension of time for filing ARRs and FPTs by relaxing the requirement of such filing not less than 120 days before the commencement of the FY2015-16 as stipulated in Clause 6.1 of Regulation No.4 of 2005. After careful consideration of the same and keeping in view the mandatory provisions of the statutes, Rules, Regulations and the binding directions of the ATE, the Commission passed an Order dt.30.12.2014 stating that it will commence necessary action for issuance of a Tariff Order for FY2015-16 on 13.01.2015, thereby giving an opportunity to file ARRs and FPTs on or before 12.01.2015.
8. When the Licensees failed to file ARRs and FPTs and instead filed another application for further extension of time, the Commission passed an order dt.13.01.2015 prescribing procedure which it will adopt and mentioning the tentative schedule for determination of tariff.

ARR Filings for FY2015-16 and Public Notice

9. However, before the Commission proceeded to initiate *suo-motu* proceedings, on 27.01.2015 Licensees filed separate applications for approval of their ARRs for FY2015-16 (25.01.2015 and 26.01.2015 being public holidays). They were admitted by the Commission and assigned O.P.Nos.1 of 2015 and 2 of 2015.
10. The Commission by a letter dated 27.01.2015 directed the Licensees to issue notifications intimating the general public on the ARRs submitted to the Commission. The Licensees published such notifications accordingly in their respective areas of operation, in two Telugu and two English daily newspapers, for information and calling for objections/suggestions on the same from individuals, representatives of consumer organizations and other

stakeholders. The filings were also published in the websites of the respective Licensees as well as the website of the Commission.

FPT Filings for FY2015-16, Public Notice and Public Hearings

11. Thereafter on 05.02.2015, the Licensees submitted FPTs for the Retail Supply business for FY 2015-16. The FPT schedules of the licensees were given wide publicity through Public Notices in two Telugu and two English daily newspapers on 07.02.2015 seeking objections/suggestions from the interested consumers/stakeholders by 20.02.2015 (as against 16.02.2015 mentioned earlier at the time of notifying ARR and as per the 'Public Notice' published on 29.01.2015). In the said 'Public Notice' in respect of APEPDCL, it was also mentioned that public hearings will be conducted on 23.02.2015 and 24.02.2015 at Visakhapatnam and on 25.02.2015 at Kakinada. Similarly, in the 'Public Notice' in respect of APSPDCL, it was also mentioned that public hearings will be conducted on 26.02.2015 at Guntur and on 27.02.2015 and 28.02.2015 at Tirupati. Consolidated ARR & FPT filings were also published in the websites of the respective Licensees and the Commission. The members of the State Advisory Committee (SAC) were given copies of these filings and their views were ascertained in the meeting conducted on 18.02.2015, prior to public hearings and on 03.03.2015, after public hearings. In addition to the public hearings conducted in two places each within the areas of operation of EPDCL and SPDCL, as mentioned supra, the Commission also conducted public hearing at Hyderabad on 04.03.2015, as specified in the published public notices, thereby providing a final opportunity to the stakeholders to submit their views/objections/suggestions, in writing as well as in person, on ARR and FPT filings of the two Licensees.

Handling of the Views/Objections/Suggestions of Stakeholders

12. In pursuance of such Public Notices, 77 consumers, representatives of various consumer organizations, political parties and other stakeholders presented their written views/objections/suggestions prior to commencement of public hearings and the licensees provided their responses. The views/objections/suggestions expressed by the stakeholders and/or their representatives, in writing and/or in person and the replies provided by the licensees in writing and/or through oral responses during the public hearings held from

23.02.2015 to 28.02.2015 and on 04.03.2015, as mentioned above in respect of ARR and FPT filings of the Licensees and the views of the members of SAC have been duly referred to and considered in arriving at the appropriate conclusions in this Order, in so far as they relate to the determination of tariff for retail sale of electricity.

13. In so far as the views/suggestions/objections and the responses that do not relate to the determination of tariff for retail sale of electricity, the Commission proposes to initiate/take appropriate steps separately on each independent issue/aspect which will be communicated to the stakeholder concerned in due course.

Notification calling for objections/suggestions/views

14. The Licensees caused the publication of public notices on the directions of the Commission, in two English and two Telugu daily newspapers on 29.01.2015 in respect of their respective ARRs¹ and on 07.02.2015 in respect of their respective FPTs², informing the general public that the Licensees have filed before the Commission their ARR and Tariff proposals for Retail Supply Business for FY2015-16 and copies of their filings together with the supporting materials were made available in the Office of the Chief General Manager concerned of the respective Licensees at their Headquarters and also with all the Superintending Engineers of Operation circles and the filings were also made available on the websites of the Licensees and the Commission to facilitate inspection/perusal/purchase of the ARR filings and Tariff proposals by interested consumers and stakeholders who are at liberty to file their objections/ suggestions/ views on the same. The Government of Andhra Pradesh in its Energy Department has also been informed so that the Government may make a statement before the Commission on the proposals of the Licensees at the public hearings.

¹ Annexure-02: Public Notice of ARRs.

² Annexures-03: Public Notice of FPTs.

Response to the Public Notices

15. In response to the public notices, the Commission received several objections/suggestions/views in writing and/or in person at its Office and during public hearings³. The views/objections/suggestions received reflected all shades of public opinion on the issues and questions involved including those of public utilities like Railways, Organizations of Industry, Trade, Consumers, Farmers, Employees, Labourers, Political Parties, Awareness Groups and Non-Governmental Social Activists as well as experienced and expert individuals acting in public interest. As directed by the Commission, the Licensees communicated their written replies to the views/objections/suggestions received from various stakeholders and the concerned Chairman and Managing Director also orally responded to such views/objections/suggestions during public hearings.

Public Hearings

16. The public hearings were conducted as published in the public notices and as informed to the Licensees and the Govt. of Andhra Pradesh as follows:

Sl. No.	Name of Licensee	Venue/place of Public Hearing	Date of Public Hearing	Timings
1	APEPDCL	Dr. Y.V.S. Murthy Auditorium, Andhra University College of Engineering, Visakhapatnam	23.02.2015 (Monday)	10:00 AM to 1:00 PM 2:00 PM to 5:00 PM
			24.02.2015 (Tuesday)	10:00 AM to 1:00 PM
2	APEPDCL	Alumni Auditorium, JNTU College of Engineering, Kakinada	25.02.2015 (Wednesday)	9:00 AM to 1:00 Pm 2:00 PM to 4:00 Pm
3	APSPDCL	Sri Venkateswara Vignana Mandir, Opp. Hindu College, Near Vegetable Market, Rajagarithota, Guntur	26.02.2015 (Thursday)	9:00 AM to 1:00 PM 2:00 PM to 4:00 PM
4	APSPDCL	Srinivasa Auditorium, S.V.University, Campus, Tirupati.	27.02.2015 (Friday)	10:00 AM to 1:00 PM 2:00 PM to 5:00 PM
			28.02.2015 (Saturday)	10:00 AM to 1:00 PM
5	APSPDCL	Court Hall of APERC, Hyderabad	04.03.2015	10:00 AM to 1:00 PM
	APEPDCL		(Wednesday)	2:00 PM to 5:00 PM

17. During the public hearings, the Chairman & Managing Director of the licensee concerned made a brief presentation on their filings. Then the participating stakeholders were heard in detail, apart from receiving all written representations presented by them. Then the Chairman & Managing Director of the Licensee concerned gave a detailed response to each of the issues/aspects raised by the stakeholders.

³ Annexure-04: List of persons who submitted views/objections/suggestions.

Request for extension of time for filing suggestions/objections

18. Some representations were received requesting the Commission to give more time to the public and other stakeholders to file suggestions/objections on ARRs and FPTs of the Licensees. As mentioned above, soon after submission of ARRs on 27.01.2015 and publishing the same on 29.01.2015, time was granted upto 16.02.2015 for filing objections/suggestions. Later when FPTs were filed on 05.02.2015 and published on 07.02.2015, time was extended up to 20.02.2015 for filing objections/suggestions. Further the publications in the newspapers and 'Public Notice' placed on the website of the Commission also informed that persons, who are unable to file objections/suggestions on or before 5.00 PM on 20.02.2015, may file the same on or before 5.00 PM on 04.03.2015, thereby providing a final opportunity to all the stakeholders/interested persons to submit their objections/suggestions on ARR & FPT filings of the Licensees. In response to such representations for providing further opportunity to submit objections/suggestions, such individual stakeholders were also informed that though a little deviation/dislocation in the schedule became inevitable due to delayed ARR/FPT filings, every effort is and will be made to give every reasonable opportunity to all the stakeholders to express their views/suggestions/objections in the determination of Retail Supply tariffs of the Licensees. Accordingly in the process of determination of such tariff, public hearings were conducted at two different places each in respective areas of operation of the Licensees and such public hearings were conducted for two days each at the Headquarters of the Licensees, apart from a common public hearing for both the Licensees at the office of the Commission at Hyderabad on 04.03.2015. Not a single stakeholder was denied an opportunity of presenting the views / objections / suggestions orally or in writing as desired by them till the conclusion of the public hearings on 04.03.2015.

Summary of Filings

Sales and Power Purchase Requirement

19. The Licensees have forecast/estimated the sales volume to different consumer categories during FY2015-16 at 50485.65 MU for the entire State, comprising of 33690.56 MU in respect of SPDCL and 16795.04 MU in respect of EPDCL in their respective areas of supply. With the adaptation of

predetermined losses for FY2015-16 as per MYT orders on Transmission charges⁴ and Wheeling charges⁵, the licensees have computed the power purchase requirement for FY2015-16 (through grossing up the sales volume forecast with applicable loss levels) at 57644.42 MU comprising of 38702.31MU in respect of SPDCL and 18942.11 MU in respect of EPDCL respectively of their areas of supply. The summary of sales, losses and power purchase requirement as per filings is given in the table below:

Filings: Sales, Losses and Power Purchase Requirement (MU)

Item	Sales	Losses	Power purchase requirement
(1)	(2)	(3)	(4)
SPDCL	33690.56	5011.75	38702.31
EPDCL	16795.04	2147.07	18942.11
Total	50485.60	7158.82	57644.42

Availability, Dispatch and Surplus

20. Based on pre-arranged supply sources, both short and long term, the licensees have estimated the available energy during FY2015-16 at 69299.46 MU for the entire State, comprising of 46234.39 MU in respect of SPDCL and 23065.07 MU in respect of EPDCL. With the analysis of month wise power purchase requirement and availability, the Licensees' computations have led to surplus of availability at 11655.04 MU for the entire State during FY2015-16, comprising of 7532.07 MU surplus in respect of SPDCL and 4122.97 MU surplus in respect of EPDCL. The summary of power purchase requirement, availability, dispatch and surplus for each licensee and for the entire State as per filings is given in the table below:

⁴ APERC(62) order in O.P. No.62 of 2013 dated 09-05-2014 in the matter of determination of Transmission Charges for the Third Control Period FY2014-15 to FY2018-19.

⁵ APERC(64) order in O.P. No.64, 66, 68 & 70 of 2013 dated 09-05-2014 in the matter of determination of Wheeling Tariffs for Distribution Business for the Third Control Period FY2014-15 to FY2018-19.

Filings: Power Purchase Requirement and Surplus (MU)

Item	SPDCL	EPDCL	TOTAL
(1)	(2)	(3)	(4)
Power Purchase Requirement	38702.31	18942.11	57644.42
Availability	46234.39	23065.07	69299.46
Dispatch	39068.95	19122.05	58191.00
Surplus / Deficit	7532.07	4122.97	11655.04

ARR Items

21. The licensees have computed/estimated the power purchase cost during FY2015-16 at ₹23250.18 Cr. for the entire State comprising of ₹15685.89 Cr. in respect of SPDCL and ₹7564.29 Cr. in respect of EPDCL with reference to their respective areas of supply. The licensees have computed the cost based on expected volume of dispatch for each month (depending on monthly sales volume), and fixed and variable costs applicable for each generation source/station for FY2015-16.
22. The licensees have computed/estimated the transmission cost at ₹995.10 Cr. for the entire State during FY2015-16, comprising of ₹654.10 Cr. in respect of SPDCL and ₹341 Cr. in respect of EPDCL in accordance with the MYT Order for Transmission business⁶ for third control period as applicable for FY2015-16 (capacities and transmission charges to be paid to APTransco) with an upward revision in respect of SPDCL to account for expansion of its area of supply consequent to inclusion of Ananthapur and Kurnool districts in it.
23. The Licensees have computed/estimated the State Load Dispatch Centre (SLDC) cost at ₹32.02 Cr. for the entire State during FY2015-16, comprising of ₹21.05 Cr. in respect of SPDCL and ₹10.97 Cr. in respect of EPDCL in accordance with the MYT Order for third control period as applicable for FY2015-16 (capacities, and charges and fee for SLDC)⁷ with an upward revision in respect of SPDCL to account for expansion of its area of supply consequent

⁶ APERC(62) *Op.cit.*

⁷ APERC(61) order in O.P. No.61 of 2013 dated 09-05-2014 on Annual Fee and Charges of State Load Dispatch Centre (SLDC) activity for Third Control Period FY2014-15 to FY2018-19.

to inclusion of Ananthapur and Kurnool districts in it.

24. The Licensees have considered the distribution cost at ₹3370 Cr. for the entire State during FY2015-16, comprising of ₹2153.24 Cr. in respect of SPDCL and ₹1216.97 Cr. in respect of EPDCL in accordance with the MYT Order for third control period⁸ on wheeling charges as applicable for FY2015-16 (i.e. Distribution cost approved for FY2015-16) with an upward revision in respect of SPDCL to account for expansion of its area of supply consequent to inclusion of Ananthapur and Kurnool districts in it.
25. The Licensees have computed/estimated the costs associated with usage of PGCIL network and services of ULDC, within and outside the State and to evacuate the power from Central Generating Stations (CGS) at ₹342 Cr. for the entire State during FY2015-16, comprising of ₹220.81 Cr. in respect of SPDCL and ₹122.14 Cr. in respect of EPDCL. These computations/estimations are based on information obtained from APTransco, the State Transmission Utility (STU).
26. The Licensees have computed the interest cost on consumers' security deposits⁹ held with Licensees at ₹251.35 Cr. for the entire State during FY2015-16, comprising of ₹151.29 Cr. in respect of SPDCL and ₹100.06 Cr. in respect of EPDCL. The Licensees have computed these amounts while applying the interest cost of 9.00% in respect of SPDCL and 9.5% in respect of EPDCL on average of projected opening and closing balances of consumer security deposits (likely to be held with them during FY2015-16).
27. The Licensees have computed the supply margin for retail supply business at ₹17.96 Cr. for entire State during FY2015-16, comprising of ₹13.13 Cr. in respect of SPDCL and ₹4.83 Cr. in respect of EPDCL. These amounts have been computed based on the approved Regulated Rate Base (RRB) as applicable to each licensee for FY2015-16 in accordance with the MYT Order for third

⁸APERC (64), *Op.cit.*

⁹ APERC (2004) Regulation No.6 of 2004 (Security Deposit to be Paid by Consumers to the Distribution Licensee for the Energy Supplied and for Providing Electric Line/Electrical Plant/Electric Meter).

control period on wheeling charges¹⁰.

28. The Licensees have requested for true down of a total amount of ₹33.69 Cr. relating to retail supply business for FY2013-14 for the entire State and included the amount in their ARR/FPT filing for FY2015-16. This amount comprising of ₹89.69 Cr. true down of expenses for SPDCL and ₹56 Cr. true up of expenses for EPDCL. The Licensees have considered all the costs and revenue items relating to retail supply business for FY2013-14 to arrive at these amounts.
29. The Licensees have further requested for true-up of expenses relating to retail supply business for FY2014-15 for an amount of ₹2039 Cr. for the entire State, comprising of ₹1103.82 Cr. in respect of SPDCL and ₹935 Cr. in respect of EPDCL. The Licensees have included these amounts as expense items in their ARR/FPT filings for FY2015-16. The licensees have considered all the costs and revenue items relating to retail supply business for FY2014-15 on provisional basis to arrive at these amounts.
30. The Licensees are implementing energy conservation projects (replacing incandescent bulbs with LED bulbs) in two districts each, in their respective areas of operation. The licensees proposed to include the total project cost as one time expenditure and included ₹43.64 Cr. in ARR/FPT filings for FY2015-16. This amount comprises of ₹27.06 Cr. to be paid by SPDCL and ₹16.58 Cr. to be paid by EPDCL. The Licensees stated that the benefits of these measures have been factored in power purchase calculations.
31. With these ARR line items, as detailed above, the Licensees have computed/estimated the ARR at ₹30308.28 Cr. for the entire State for FY2015-16, comprising of ₹19940.71 Cr. in respect of SPDCL and ₹10367.57 Cr. in respect of EPDCL in their respective areas of supply. The summary of ARR as per Licensees' filing is given in the table below:

¹⁰ APERC(64), *Op.cit.*

Aggregate Revenue Requirement (ARR) / Cost Items (₹. Cr.)

ARR Items	SPDCL	EPDCL	TOTAL
(1)	(2)	(3)	(4)
1. Transmission Cost	654.10	341.00	995.10
2. SLDC Cost	21.05	10.97	32.02
3. Distribution Cost	2153.24	1216.97	3370.21
4. PGCIL Expenses	211.10	119.26	330.36
5. ULDC Charges	9.71	2.88	12.59
6. Network and SLDC Cost (1+2+3+4+5)	3049.20	1691.08	4740.28
7. Power Purchase Cost	15685.89	7564.29	23250.18
8. Interest on CSD	151.29	100.06	251.35
9. Supply Margin in Retail Supply Business	13.13	4.83	17.96
10. Other Costs, if any	1041.19	1007.31	2048.50
11. Supply Cost (7+8+9+10)	16891.51	8676.49	25568.00
12. Aggregate Revenue Requirement (ARR) (6+11)	19940.71	10367.57	30308.28

Expected Revenue from Charges (ERC)

32. The Licensees have computed the Expected Revenue from Charges (ERC) in case they levy the existing/current tariff for retail sale of electricity during FY2015-16 on the forecast sales volume to different consumer categories in their respective areas of supply. The ERC computed in this manner is at ₹22591.55 Cr. for the entire State, comprising of ₹14569.75 Cr. in respect of SPDCL area of supply and ₹8021.80 Cr. in respect of EPDCL area of supply.
33. The Revenue Gap (RG) i.e., the ARR in excess of ERC, for FY2015-16 has been computed by licensees at ₹7716.73 Cr. for the entire State, comprising of ₹5370.95Cr. RG in respect of SPDCL and ₹2345.77 RG in respect of EPDCL. In short, the Licensees in the State will incur a total of ₹7716.73 Cr. financial loss during FY2015-16 in the event of supplying the forecast sales volume of 50485.60MU, without any external resources or tariff revision during FY2015-16. The summary of ARR, ERC and RG for each Licensee during FY2015-16 is given in the table below:

Filings: ARR, ERC and (RG) for FY2015-16 (₹Cr.)

ARR Item	SPDCL	EPDCL	TOTAL
(1)	(2)	(3)	(4)
1. Aggregate Revenue Requirement	19940.71	10367.57	30308.28
2. Revenue from Sale of Energy	14415.53	7898.23	22313.76
3. Non-Tariff Income	154.22	123.57	277.79
4. Total Revenue (2 + 3)	14569.75	8021.80	22591.55
5. Revenue Gap (1-4)	5370.95	2345.77	7716.73

Ways and means to handle the Revenue Gap

34. The Licensees have proposed to meet the estimated revenue gap of ₹7717 Cr. during FY2015-16 through the following two sources;
- Increasing the tariff by six percent to all consumer categories, except for i) LT-1(A): Domestic up to 50 units/month, LT-I (B): Domestic above 50 and up to 100 units/month, and iii) LT-V: Agriculture, to realize ₹1261 Cr. as additional revenue from upward revision of tariff during FY2015-16, and
 - Expecting that the remaining revenue gap of ₹6456 Cr. will be met through subsidy from Government of Andhra Pradesh during FY2015-16.
35. With these two additional sources of revenue, the licensees in accordance with their ARR/FPT filings for FY2015-16 would be able to meet the estimated ARR of ₹30309 Cr. during FY2015-16. The summary of ARR and revenue as per these computations is given in the table below:

Filings: Revenue Requirement and Revenue Gap for FY2015-16 (₹Cr.)

Items	SPDCL	EPDCL	TOTAL
1. Aggregate Revenue Requirement	19940.71	10367.57	30308.28
2. Revenue at Current Tariff	14569.75	8021.80	22591.55
3. Tariff revision proposed	820.38	440.40	1260.78
4. Government Subsidy	4550.57	1905.37	6455.94
5. Revenue Gap (1-2-3-4)	0.00	0.00	0.00

36. The tariff schedule proposed by Licensees for FY2015-16 is given in the table below:

Tariff for FY2014-15 and Proposed by Licensees for FY2015-16

Category	Units	Rates for FY 2014-15		Rates for FY 2015-16	
		Fixed/Demand Charges in ₹/ Month	Energy Charges ₹/Unit	Fixed/Demand Charges in ₹/ Month	Energy Charges ₹/Unit
LT Category I Domestic (Telescopic)					
LT I(A): Upto 50 Units/Month	KWh		1.45		1.45
LT-I(B): Above 50 and upto 100 Units/Month					
First 50 units	KWh		1.45		1.45
51-100 units	KWh		2.60		2.60
LT-I(C): Above 100 and upto 200 Units/Month					
First 100 units	KWh		2.60		2.76
101-200 units	KWh		3.60		3.82
LT I (D): Above 200 Units/ Month					
0 - 50 units	KWh		2.60		2.76
51-100 units	KWh		3.25		3.45
101 - 150 units	KWh		4.88		5.17
151- 200 units	KWh		5.63		5.97
201-250 units	KWh		6.38		6.76
251-300 units	KWh		6.88		7.29
301-400 units	KWh		7.38		7.82
401-500 units	KWh		7.88		8.35
Above 500 units	KWh		8.38		8.88
LT Category II : Non- domestic/Commercial					
LT-II (A): Upto 50 Units/Month	kWh/kVAh	50/kW	5.40	53/kW	5.72
LT-II(B):Above 50 Units/Month					
0-50 units	kWh/kVAh	50/kW	6.63	53/kW	7.03
51-100 units	kWh/kVAh	50/kW	7.38	53/kW	7.82
101-300 units	kWh/kVAh	50/kW	8.13	53/kW	8.62
301-500 units	kWh/kVAh	50/kW	8.63	53/kW	9.15
Above 500 Units	kWh/kVAh	50/kW	9.13	53/kW	9.68
LT-II(C) Advertising Hoardings	kWh/kVAh	50/kW	11.03	53/kW	11.69
LT Category III - Industry					
Industries	kWh/kVAh	50/kW	6.08	53.00/kW	6.44
Seasonal Industries(Off Season)	kWh/kVAh	50/kW	6.75	53.00/kW	7.16

Category	Units	Rates for FY 2014-15		Rates for FY 2015-16	
		Fixed/Demand Charges in ₹/ Month	Energy Charges ₹/Unit	Fixed/Demand Charges in ₹/ Month	Energy Charges ₹/Unit
Pisciculture /Prawn culture	kWh/kVAh	20/kW	4.63	21.17/kW	4.91
Sugarcane crushing	kWh/KVAh	20/kW	4.63	21.17/kW	4.91
Poultry farms	kWh/kVAh	50/kW	5.63	53.00/kW	5.97
Mushroom & Rabbit Farms	kWh/kVAh	50/kW	5.63	53.00/kW	5.97
Floriculture in Green House	kWh/kVAh	50/kW	5.63	53.00/kW	5.97
LT Category IV- Cottage Industries					
Cottage Industries upto 10 HP@	KWh	20/kW	3.75	21.17/kW	3.98
Agro based activity upto10 HP@	KWh	20/kW	3.75	21.17/kW	3.98
LT Category V - Agriculture					
LT - V (A) - Agriculture with DSM Measures					
Corporate Farmers & IT Assesses	KWh		2.50		2.50
Wet Land Farmers (Holdings >2.5 acre)	KWh	* 525/HP/Year	0.50	* 525/HP/Year	0.50
Dry Land Farmers (Connections > 3 nos.)	KWh	* 525/HP/Year	0.50	* 525/HP/Year	0.50
Wet Land Farmers (Holdings <= 2.5 acre)	KWh		0		0
Dry Land Farmers (Connections <= 3 nos.)	KWh		0		0
LT - V (B) - Agriculture without DSM Measures					
Corporate Farmers & IT Assesses	KWh		3.50		3.50
Wet Land Farmers (Holdings >2.5 acre)	KWh	* 1050/HP/Year	1.00	* 1050/HP/Year	1.00
Dry Land Farmers (Connections > 3 nos.)	KWh	* 1050/HP/Year	1.00	* 1050/HP/Year	1.00
Wet Land Farmers (Holdings <= 2.5 acre)	KWh	* 525/HP/Year	0.50	* 525/HP/Year	0.50
Dry Land Farmers (Connections <= 3 nos.)	KWh	* 525/HP/Year	0.50	* 525/HP/Year	0.50
Category LT V(C) - Others					
Salt farming units with CL up to 15HP \$	KWh	20/HP	3.70	20/HP	3.70
Rural Horticulture Nurseries upto 15HP \$	KWh	20/HP	3.70	20/HP	3.70

Category	Units	Rates for FY 2014-15		Rates for FY 2015-16	
		Fixed/Demand Charges in ₹/ Month	Energy Charges ₹/Unit	Fixed/Demand Charges in ₹/ Month	Energy Charges ₹/Unit
LT Category VI -Street Lighting & PWS					
LT VI (A)-Street Lighting					
Panchayats	KWh	30/kW	5.37	31.83	5.69
Municipalities	KWh	30/kW	5.87	31.83	6.22
Municipal Corporations	KWh	30/kW	6.37	31.83	6.75
LT VI (B)- PWS Schemes					
Panchayats	kWh/kVAh	30/HP	4.37	31.83	4.63
Municipalities	kWh/kVAh	30/HP	5.37	31.83	5.69
Municipal Corporations	kWh/kVAh	30/HP	5.87	31.83	6.22
LT - VI(C) NTR Sujala Padhakam					4.00
LT Category VII : General					
LT VII (A) - General Purpose	kWh/kVAh	20/KW	6.53	21.17/KW	6.92
LT VII (B) - Religious Places	KWh	20/KW	4.70	21.17/KW	4.98
LT Category VIII-Temporary Supply	kWh/kVAh	20/KW	9.43	21.17/KW	10.00
HT Categories					
HT-I Industry					
HT -I(A) General					
132 KV and above	KVAh	₹350/KVA/Month of Billing demand or 80% of CMD whichever is higher	4.90	₹371/KVA/Month of Billing demand or 80% of CMD whichever is higher	5.19
33 KV	KVAh		5.30		5.62
11 KV	KVAh		5.73		6.07
Lights & Fans					
132 KV and above	KVAh		4.90		5.19
33 KV	KVAh		5.30		5.62
11 KV	KVAh		5.73		6.07
Industrial Colonies					
132 KV and above	KVAh		5.68		6.02
33 KV	KVAh		5.68		6.02
11 KV	KVAh		5.68		6.02
Seasonal Industries					
132 KV and above	KVAh	₹350/KVA/Month of Billing demand or 30% of CMD whichever is higher	6.03	₹371/KVA/Month of Billing demand or 30% of CMD whichever is higher	6.39
33 KV	KVAh		6.28		6.66
11 KV	KVAh		6.90		7.31
Time-of-Day Tariff (6 PM to 10 PM)					

Category	Units	Rates for FY 2014-15		Rates for FY 2015-16	
		Fixed/Demand Charges in ₹/ Month	Energy Charges ₹/Unit	Fixed/Demand Charges in ₹/ Month	Energy Charges ₹/Unit
132 KV and above	KVAh		5.90		6.25
33 KV	KVAh		6.30		6.68
11 KV	KVAh		6.73		7.13
HT - I(B) Ferro-alloys					
132 KV and above	KVAh		4.58		4.85
33 KV	KVAh		4.98		5.28
11 KV	KVAh		5.41		5.73
HT-II - Others					
132 KV and above	KVAh	₹350/KVA/Month of Billing demand or 80% of CMD whichever is higher	6.03	₹371/KVA/Month of Billing demand or 80% of CMD whichever is higher	6.39
33 KV	KVAh		6.28		6.66
11 KV	KVAh		6.90		7.31
Time-of-Day Tariff (6 PM to 10 PM)					
132 KV and above	KVAh		7.03		7.45
33 KV	KVAh		7.28		7.72
11 KV	KVAh		7.90		8.37
HT-III Airports, Bust stations, Railway stations					
132 KV and above	KVAh	₹350/KVA/Month of Billing demand or 80% of CMD whichever is higher	5.72	₹371/KVA/Month of Billing demand or 80% of CMD whichever is higher	6.06
33 KV	KVAh		6.01		6.37
11 KV	KVAh		6.58		6.97
Time-of-Day Tariff (6 PM to 10 PM)					
132 KV and above	KVAh		6.72		7.12
33 KV	KVAh		7.01		7.43
11 KV	KVAh		7.58		8.03
HT -IV Irrigation, Agriculture & CPWS					
Irrigation & Agriculture	KVAh		5.37		5.69
CP Water Supply Schemes	KVAh		4.39		4.65
HT- V Railway Traction	KVAh		6.36		6.74
HT-VI -Townships & Residential Colonies	KVAh	₹50/KVA/ Month of Billing demand	5.68	₹ 53/KVA/Month of Billing demand	6.02
RESCOs					
Kuppam	Kwh		0.34		0.76
Anakapalle	KWh		1.32		1.58
Cheepurupalli	KWh		0.55		0.69

Category	Units	Rates for FY 2014-15		Rates for FY 2015-16	
		Fixed/Demand Charges in ₹/ Month	Energy Charges ₹/Unit	Fixed/Demand Charges in ₹/ Month	Energy Charges ₹/Unit
HT- VII Green Power	KVAh	Nil	10.78		11.43
HT - VII Temporary		1.5 times of the Tariff of corresponding HT category		1.5 times of the Tariff of corresponding HT category	
@ - Units which exceed 10 HP connected load shall be billed at tariff specified for LT-III Industrial category * -Equivalent flat rate of tariff \$ - Units with connected load more than 15 HP shall be billed under LT -III Industrial Normal tariff Note: All other conditions are as per in the Chapter - XII of the Retail supply Tariff Schedule for FY2013-14.					

Other proposals made by Licensees

37. The licensees have made two other proposals in their ARR/FPT filings for FY2015-16 as described below:

- a) Creation of a new consumer category under LT-VI: Street Lighting and PWS as LT-VI(C): Water Treatment Plants - NTR Sujala Padhakam with energy tariff at ₹4.00/unit to supply electricity to water treatment plants to be setup under this scheme as per guidelines/framework of the Government of Andhra Pradesh.
- b) Determination of cross subsidy surcharge based on methodology prescribed in Tariff Policy to be levied by licensees on consumers who opt for open access during FY2015-16. The licensees have also computed the cross subsidy surcharge for different HT consumer categories based on methodology prescribed in Tariff Policy and provided the relevant data/computations in ARR/FPT filings for FY2015-16.

Conclusion

38. The Commission has decided to consider the ARR/FPT filings made by the licensees, which are mentioned in brief in this Chapter, as the basis for determination of ARR and tariff for retail sale of electricity during FY2015-16 with due weight being given to views/objections/suggestions of stakeholders, as discussed in subsequent chapters of this order.

CHAPTER-II STATEMENT OF GOVERNMENT OF ANDHRA PRADESH

39. On behalf of the Government of Andhra Pradesh, the Secretary/Energy, I&I Department stated before the Commission during public hearing at Hyderabad on 04-03-2015, as follows :
40. “All the Electricity utilities have performed exceptionally well during this year. The transmission and distribution utilities have reduced T&D losses from 13.89% in FY2013-14 to 12.91% FY2014-15 (upto November-2014). The per capita consumption at the end of November 2014 is 868 units.
41. Number of consumers in Andhra Pradesh as on 31st December 2014 is 1.52 Crores, out of which 14.6 lakh are agriculture consumers. Both DISCOMs have been implementing HVDS for agriculture consumers in order to give them better quality of power. This has been done by reducing the length of conventional LT Lines.
42. DISCOMs have been directed to ensure that failed DTRs are replaced within 24 hours in both rural and urban areas by maintaining adequate Rolling stock of transformers.
43. APDISCOMs are implementing DSM initiatives in domestic housing lighting, municipal street lights and agricultural pump-sets. The investment would be made by EESL, a Public Company owned by Central PSUs of Power Sector under an ESCO Model. Under this program 260 Lakhs incandescent bulbs will be replaced by energy efficient LEDs in the state by March 2016. Already 32 Lakh LEDs have been distributed in Guntur, Anantapur and Srikakulam districts. The program will be rolled out in other districts in a phased manner.
44. Conventional Street lights will be replaced by EESL in all municipalities and Corporations by March 2016. So far 80,000 Street Lights have been replaced in Visakhapatnam and another 2,000 Street Lights have been replaced in 3 other municipalities. APDISCOMs plan to install 50,000 solar pump-sets in the next 5 years; sanctions for 6,725 pump-sets have already been received.
45. APDISCOMs have signed PPAs for Solar power for 619 MW in 19 projects with lowest first year tariff of ₹5.25 / kWh with 3% annual escalation for 10 years. Also, single window clearance mechanism has been setup to enable rapid

execution. The DISCOMs have set up Project Monitoring Unit to ensure 100% commissioning by April 2016.

46. The Govt. of Andhra Pradesh have recently launched new solar and wind policies-2015. The solar policy also contains a roof-top gross/net metering policy under which the consumer has been given a choice of opting for Net or Gross metering. Group of persons / societies can also set up SPV systems on roof-tops. Surplus energy injected into the grid will be paid at average cost of service as determined by APERC from time to time.
47. AP is one of the three states selected for “Power For All” (PFA) program of Government of India. The program will be implemented by Government of Andhra Pradesh with active support from Government of India. The objective of the above program is to supply 24x7 quality, reliable and affordable power to all Domestic, Commercial and Industrial consumers by March, 2017.
48. The Government is committed to the welfare of the farmers and will provide free power to all eligible agriculture consumers. Government have earmarked subsidy of ₹3,188 cr. for both Discoms during FY2014-15.
49. The Government is committed to the cause of industrial development in the State and it is a matter of pride that the State of Andhra Pradesh has amongst the lowest HT Industrial Tariffs in the country.
50. Case-I bidding process has been initiated by APDISCOM for procurement of 2400 MW of power as per Government of India guidelines with the approval of the APERC.
51. The State utilities have planned to invest an amount of ₹1,351 Crores in the FY2015-16 to strengthen the Transmission and Distribution system to meet the additional load growth and to improve voltage profiles.
52. To conclude, the Government is committed to provide necessary financial assistance to power sector and subsidy to the utilities in accordance with the provisions of Section 65 of the Electricity Act, 2003. This would enable the Government to meet its objective of ensuring quality power supply to all consumers and also in extension of necessary assistance to BPL families and farm sector.”

CHAPTER - III OBJECTIONS, RESPONSES AND COMMISSION'S VIEWS

Objections on Sales

Agricultural consumption is higher than APERC order:

53. Sri. K. Rajendra Reddy, President, Rashtriya Raithu Seva Samithi has stated that in the ARR, the agricultural consumption is shown as more than APERC order. This is not true as most of the pump sets are not functioning as the bore wells dried up and the supply is less than 7 hours. These figures are shown to cover up higher consumption in other categories. The Commission is requested to accelerate steps to fix meters to all agricultural services so that actual consumption by the agricultural category can be calculated.
54. **Discoms Response:** Agriculture sales estimation is based on ISI methodology pertaining to Ananthapur and Kurnool and based on the sample valid DTR meter readings pertaining to rest of the 6 districts and provided in the ARR.

Commission's view: There is no verifiable data to presume any untrue inflation in the quantum of agricultural consumption of power. Remedial action for ensuring metering as per law will be taken in due course.

Power requirement projections are excessive:

55. Sri. M. Thimma Reddy, Convenor, People's Monitoring Group, Sri. K. Raghu, Telangana Electricity Employees Joint Action Committee, Dr. Divakar Babu, Secretary, Consumer's Guidance Society and Sri. K. Polari, Chief Secretary, IFTU have stated that the total power requirement in AP during FY2015-16 is estimated to be 58,191 MU. This estimate is arrived on the basis of assumption that electricity consumption in the state will increase by 20% during the ensuing year. Needless to say that it is a gross overestimation. Based on the results of the filings of DISCOMs', consumption during FY2015-16 cannot increase by 20% compared to the consumption levels in FY2014-15. It is safer to assume an increase of 10%. To the above, we have to add the implications of initiatives taken up in the State in promoting DSM measures across all consumer groups. Along with this, the quantum of demand estimated by APERC as a part of MYT also needs to be taken in to account.

Discoms Response: Sales projections are made based on those factors which are not under the control of the licensee. The licensee is projecting sales with the acceptable scientific methods. The DISCOMs have projected the sales keeping in view the economic condition of the districts after bifurcation, increasing industrial activity, focus of the new government on industries and commercial activities and expected shifting of investments to Andhra Pradesh. The projected sales have already been modified keeping in view the DSM measures taken by the DISCOMs.

Commission's View: Sales projections have been reviewed and reduced to reasonable levels based on verifiable and dependable data.

ISI methodology is not being followed:

56. Sri. M. Thimma Reddy, Convenor, People's Monitoring Group, Sri. K. Raghu, Telangana Electricity Employees' Joint Action Committee & Dr. Divakar Babu, Secretary, Consumer's Guidance Society have stated that the agriculture consumption figures provided by DISCOMs raise many questions because of two reasons: (1) ISI methodology not being used; and (2) Very small sample size.

Discoms Response: ISI methodology is being followed in the districts of Ananthapur & Kurnool in SPDCL. The DISCOMs will follow the ISI methodology in the rest of the districts at the earliest with reasonable sample size.

In addition, DISCOMs are planning to monitor agricultural feeders real time with metering at 11kV bus. This consumption can be compared with agricultural sales estimation as per ISI methodology.

Commission's View: The response of the licensees is acceptable.

T & D losses are being covered in agriculture consumption:

57. Sri. M. Thimma Reddy, Convener, People's Monitoring Group, Sri. K. Raghu, Telangana Electricity Employees Joint Action Committee & Dr. Divakar Babu, Secretary, Consumer's Guidance Society have stated that continuous obfuscation of agriculture consumption data leads to a suspicion that T&D losses are being shown as agriculture consumption to benefit from State Government's subsidy support.

Discoms Response: Metered sales as a % of input has been improving since 2002. As per the current estimate, agricultural consumption/ HP/ year is lowest compared

to Gujarat and other states. However, DISCOMs will follow the ISI methodology to estimate the agriculture sales at the earliest to avoid such suspicions.

Commission's View: The Licensees are advised to take all possible steps for more accurate recording of agricultural consumption to avoid all such misconceptions.

Agricultural consumption estimates are questionable:

58. Sri. M. Venugopala Rao, Senior Journalist and Convenor of Centre for Power Studies, Hyderabad and Sri. Penumalli Madhu, Secretary, CPI (M), A.P. Committee have stated that while both the DISCOMs show overall sales below the levels permitted by the Commission, both have shown agricultural consumption exceeding the levels permitted by the Commission by 217.25 MU for EPDCL and by 4833.24 MU for SPDCL for the years FY2013-14 and FY2014-15. Since the scheme of free supply of power to agriculture is being implemented and Government is providing subsidy, in addition to cross subsidy, the Commission should not permit true-up of expenditure for revised excess consumption for agriculture and the same should be provided as additional subsidy by the Government. Since the Government has agreed to provide substantial subsidy for FY2015-16, it can be presumed that the same covers expenditure for revised excess consumption for agriculture.

Discoms Response: For the FY2013-14, the average loss in the municipalities and corporations of the DISCOM is 4.44%. Whereas, the average loss in Mandal headquarters in the DISCOM area is 6.18%. These losses are computed on the actual input and sales as all the services are metered.

The overall distribution losses of APSPDCL for the FY2013-14 are 10.68%. As the agricultural services are un-metered, the sales are being estimated based on:

- a. In respect of Kurnool & Ananthapur districts, ISI methodology (approved by Honorable APERC) has been implemented.
- b. In respect of the rest of the 6 districts of the DISCOM, sales estimation is done based on the sample meters provided on LV side of the DTRs at various places. Per HP consumption was computed based on the recorded energy in these meters and connected load fed through these DTRs. The sale of the particular area/district has been computed based on the above

average consumption and the total connected load of agricultural services of the area/district.

- c. For implementation of ISI methodology in the rest of the 6 districts, required numbers of sample meters with MRI compatibility were provided on the LV side of the DTRs covering the entire area of the 6 districts. Agricultural Sales estimation for the next year will be done based on the ISI methodology.

Commission's View: The question will be examined on merits at the time of considering the true up for the relevant period.

Non-metering of agricultural consumption:

59. Sri. M.R. Prasad, Secretary General, A.P. Ferro Alloys Producers Association stated that further, having regard to the fact that agricultural consumption is not metered which is in contravention of Section 55 of the Electricity Act, 2003 and the Commission has been for several years issuing directions in this regard, it is once again appealed for implementation of the directions for metering at the earliest for ensuing better management and increase in metered sales. According to the objector this would bring in greater transparency in accounting for the energy supply to agriculture as well as arriving at distribution losses accurately without adjusting the residual energy under agricultural consumption.

Discoms Response: For agricultural sales estimation, the Commission has approved a mechanism "ISI Methodology". It involves erection of Electronic Trivector Meters with MRI compatibility on LV side of the selected no. of Distribution Transformers (selected randomly). All capacities of the DTRs are to be covered. Average consumption under a specific capacity of DTRs will be arrived and it will be attributed to the entire DTR population of the DISCOM / District.

In Ananthapur & Kurnool districts, agricultural sales estimation is being carried out using ISI Methodology. The same has been provided in the ARR for FY 2015-16 filed. In rest of six districts, the meters were provided for implementation of ISI methodology for agricultural sales estimation. In the ARR for the FY 2016-17, the agricultural sales estimation for the entire area of the licensee will be carried out using ISI methodology.

Commission's View: Any necessary action for observance of the statutory provisions and the directions of the Commission will be taken in due course.

Burden of excessive agricultural consumption and subsidy:

60. Sri. M.R. Prasad, Secretary General, A.P. Ferro Alloys Producers Association stated that the objector is of the view that any consumption arising out of supply to agriculture over and above the commission approved quantum should be entirely met with GoAP subsidy and this should not burden the subsidizing class of consumers. This acquires greater significance in the light of expensive power being purchased by DISCOMs to meet the increased demand of agriculture.

Discoms Response: The Government has promised free supply of 7 hours to agriculture consumers. In the absence of FSA regulations, any excess/less consumption and resulting power purchase cost is being included as part of true up from FY2015-16. With a marginal increase in tariff, the GoAP subsidy commitment for FY2015-16 has increased to ₹6455 Cr. from the current level of ₹3188 Cr. This implies that GoAP is paying subsidy towards additional agricultural sales as per the current mechanism.

Commission's View: Any impermissible additional burden on subsidizing class of consumers due to non-provision of any subsidy for any part of the agricultural consumption will not be allowed when the relevant true up exercise is taken up.

Approved sales versus actual sales:

61. Sri. M.R. Prasad, Secretary General, A.P. Ferro Alloys Producers Association stated that it is observed that the total sales approved by the Commission and the actual sales are at variance. With this, the fixed costs are going up per unit, which in turn increases the retail price for paying class of consumers.

Discoms Response: Sales projections are made as per the historical sales data, upcoming loads which will have large impact in the sales, anticipated economic & climatic conditions, Government policies on industry, etc. All these factors will not be under the control of the Licensee. The licensee is projecting sales with the acceptable scientific methods. Any deviation in power purchase cost will be considered as part of true up.

Commission's View: Variance between projections and actuals in sales becomes inevitable due to circumstances beyond the control of the licensees and cannot be avoided.

Sales projected by the DISCOMs are highly inflated:

62. Sri. M.R. Prasad, Secretary General, A.P. Ferro Alloys Producers Association stated that the sales projected by the DISCOMs are highly inflated resulting in higher power purchase cost. For instance, for FY2015-16 the projections for HT category are 1948 million units over FY2014-15 projections i.e., a growth rate of over 25% which is unrealistic. Such unrealistic projections would only result in higher power purchase cost and increase in tariff for the consumers.

Discoms Response: Sales projections are made as per the historical sales data, upcoming loads which will have large impact in the sales, anticipated economic & climatic conditions, Govt. policies on industry, etc. All these factors will not be under the control of the Licensee. The Licensee is projecting sales with the acceptable scientific methods. The DISCOMs have projected the sales keeping in view of the economic condition of the districts after the bifurcation, increasing industrial activity, focus of new Government on industries and commercial activities, Expected shifting of investments to Andhra Pradesh. The Government is focused to provide 24X7 supply of power to all consumers. Therefore, there will be no load restriction. Applications of pending loads have been considered in FY2015-16. Additional LIS schemes coming in FY2015-16 have added 4% growth in FY2015-16. Excluding LIS schemes, the growth rate is 16% which includes normal growth rate of sales, removal of load restriction, additional growth due to "Power for All", "new capital city", "increasing economic activity in AP" and considering pending HT loads, in addition, the DISCOMs have considered pending industrial loads of around 1500-1600 MW.

Commission's View: The sales projections are reasonably scaled down keeping in view all such circumstances.

Objections on Power Purchase Requirement

T & D losses are on the rise

63. Sri. M. Thimma Reddy, Convenor, People's Monitoring Group, Sri. K. Raghu, Telangana Electricity Employees Joint Action Committee, Dr. Divakar Babu, Secretary, Consumer's Guidance Society & Sri. K. Polari, Chief Secretary, IFTU have stated that on the T&D losses front, the situation in fact is deteriorating according to the proposals filed by EPDCL and SPDCL for the years 2010-11, 2013-14 and 2015-16. Lower T&D losses lead to lower power purchase cost and lower tariff burden.

Discoms Response: APSPDCL stated that they are putting all efforts to bring down losses to less than 9% from the current level of 13.2% with increase in metered sales. APEPDCL stated that their losses for FY 2013-14 are in the range of 9.18% whereas, their losses now proposed for FY 2015-16 are 7.62%.

Commission's View: The commendable low percentage of transmission and distribution losses, more particularly of the APEPDCL with reference to National averages, is promised to be further brought down and this Commission places on record its appreciation for the excellent performance of both the licensees, of course due to the commitment and devotion of all their personnel.

Failure to meet loss targets and financial impact:

64. Sri. M. Venugopala Rao, Senior Journalist and Convenor, Centre for Power Studies, Hyderabad and Sri. Penumalli Madhu, Secretary, CPI (M), A.P. State Committee have stated that the financial impact of failure of the DISCOMs in achieving targets of reduction of distribution losses as determined by the Commission should not be permitted to be included in the ARR and collected from the consumers, as the DISCOMs themselves have admitted that there is a lot of scope for further reducing distribution losses, both technical and commercial. As such, the Commission is requested to fix targets of reduction of distribution losses realistically not only DISCOM-wise, but also circle-wise to infuse a sense of accountability at various levels.

Discoms Response: The APSPDCL has put all its efforts to achieve the targets (losses) fixed by the Commission. To illustrate, the performance of the DISCOM in the past years is furnished hereunder.

Year	% Distribution Losses/APSPDCL
2000-01	26.84%
2010-11	12.21%
2013-14	10.68%

Commission's View: As the targets fixed by the Commission were in fact answered by better performance than expected, the question does not arise.

Objections relating to Power Purchase Cost

The reasons for 3% escalation of variable cost need to be given:

65. Sri. K. Rajendra Reddy, President, Rashtriya Raithu Seva Samithi has stated that the Licensee is requested to give reasons for considering 3% escalation rate over the actual variable cost during H1 of FY2014-15 for APGENCO, TSGENCO & CGS stations.

Discoms Response: The projections are based on historical data and price index.

Commission's view: Generally, there is no reason to disagree with the estimate of the licensee. Wherever, any deviation from the estimates of the licensee was found necessary on acceptable data, the Commission adopted only the permissible variable cost.

The fixed cost of APGENCO plants is higher than Mundra Power Plant:

66. Sri. Y. Sambasiva Rao, CPI (ML) New Democracy & Sri. K. Polari, Chief Secretary, IFTU have stated that the fixed cost charges in respect of VTPS-IV, RTPP-II, RTPP-III, DSTP-I and DSTP-II are in the range of ₹1.55 to ₹2.12 per unit in contrast to the fixed charges of 4,000 MW Mundra power plant, which is at ₹0.9 per unit. The actual fixed cost has to be determined by the Commission. It is our view that the extra cost burden should not fall on the consumer.

Discoms Response: This is under the purview of the Commission.

Commission's view: The fixed cost determined in APGENCO Tariff Order for FY2008-09 to FY2013-14 is being adopted in respect of first three plants. In respect of the remaining two new plants, the fixed cost is being assessed on the basis of accepted norms.

Difference in variable cost between Hinduja and Simhadri:

67. Sri. M. Thimma Reddy, Convenor, People's Monitoring Group, Sri. Y. Sambasiva Rao, CPI (ML) New Democracy & Sri. K. Polari, Chief Secretary, IFTU have stated that even though both Hinduja and NTPC Simhadri Plants are sourcing coal from the same Mahanadi coal mines, the variable cost in respect of Hinduja is ₹1.80 per unit and in respect of NTPC it is ₹2.60 per unit. NTPC's variable cost is higher by nearly 40%. This needs to be looked into.

Discoms Response: NTPC's actual variable cost in FY 2014-15, is used to project the variable cost in FY 2015-16, with only 3% escalation. Whereas, in the absence of commission determined tariff for Hinduja, the Licensee had considered ₹1.86 per unit. This is under the purview of the Commission.

Commission's View: The variable cost for NTPC fixed by CERC cannot be tampered with by this Commission through any administrative action.

APGENCO fixed cost is on higher side:

68. Sri. M. Thimma Reddy, Convenor, People's Monitoring Group, Sri. K. Raghu, Telangana Electricity Employees Joint Action Committee & Dr. Divakar Babu, Secretary Consumer's Guidance Society have stated that the Comptroller and Auditor General's Report for the year 2010 clearly brings out excess expenditure incurred in the plants it examined. The DISCOMs did not bother to recover liquidated damages from the BOP contractor, BGR Energy Systems Ltd., in spite of delay in operationalising of the plants. According to the terms of the agreement, benefits from tax concessions amounting to more than ₹2 Cr. were not returned to the Licensees. Even the CAG commented that undue favour was shown to BGR Company (Para 2.220.2). The electricity consumers in the state are being forced to bear this burden through higher tariffs. We request the Commission to see that this additional expenditure is not allowed and see that fixed cost burden is reduced.

Discoms Response: This is under the purview of the Commission.

Commission's View: The APGENCO is being requested to furnish the information about the action taken on the observations / objections of the Comptroller and Auditor General of India for the year 2010 to examine the issue.

Power purchase and generation by LVS power plant:

69. Sri. M. Thimma Reddy, Convenor, People's Monitoring Group, Sri. K. Raghu, Telangana Electricity Employees Joint Action Committee & Dr. Divakar Babu, Secretary Consumer's Guidance Society have stated that for nearly a decade LVS mini power plant is being paid fixed cost to the tune of ₹27 Cr. every year though not a single unit was produced. LVS books shall be verified to examine whether the amount is being spent on the upkeep of the plant. In the background of declining petroleum prices including naphtha and HSD, power may be produced from this plant also.

Discoms Response: Variable cost per unit generated with Naphtha would be around ₹8/unit which is expensive than short term power purchases cost of around ₹6/unit.

Commission's View: The licensee is advised to take appropriate action and report back to the Commission on the action taken, within three months.

Hike in natural gas price - increase in power purchase cost:

70. Sri. M. Thimma Reddy, Convenor, People's Monitoring Group, Sri. K. Raghu, Telangana Electricity Employees Joint Action Committee & Dr. Divakar Babu, Secretary Consumer's Guidance Society have stated that one of the important reasons for increase in power purchase costs is hike in natural gas price by the Central Government.

The new natural gas price adopted by the Gol goes against the norms of price fixation, against the PSC and also orders of the Supreme Court. As the consumers of Andhra Pradesh will be severely and adversely affected by this, the AP DISCOMs and the GoAP should have taken initiative to see that this price is rolled back. In the meantime, Sri. E.A.S Sarma, former Secretary, Gol and Sri. Gurudas Dasgupta filed a petition in Supreme Court challenging the above gas price. We request the AP DISCOMs and the GoAP to implead in this case before the Supreme Court. This request is not a misguided one, given on the APERC's observations in its Order on GVK that DISCOMs will take care of consumers' interests.

Discoms Response: The natural gas price has been hiked by Gol on national level and AP DISCOMs do not have any control on this.

Commission's View: The issue is not within the purview of the Commission.

The surplus short-term power is a burden on DISCOMs:

71. Sri. M. Thimma Reddy, Convenor, People's Monitoring Group, Sri. K. Raghu, Telangana Electricity Employees Joint Action Committee, Dr. Divakar Babu, Secretary, Consumer's Guidance Society, Sri. D. Sessa Babji, District Secretary, CPM Kakinada & Sri. P.V.S.S.S. Murthy have stated that after meeting the estimated power requirements in the state, AP DISCOMs will be left with surplus power to the extent of 11087 MU from short term sources. To retain access to this power the DISCOMs have set aside ₹567.15 Cr. to meet the penalty obligations. Under the prevailing financial situation of both the DISCOMs as well as the GoAP, it will be prudent not to have this burden.

Also, in the background of additional power to the extent of 450 MW being made available to both the states combined together from gas based power plants (AP share expected to be 242 MW) following change in gas allocation policy of Gol, whereby some of the gas allocated to fertilizer plants being diverted to gas based power plants in AP and additional power being available during summer, the DISCOMs shall actively consider steps to avoid this penalty.

Discoms Response: To achieve the objective of 24x7 power supply, the AP DISCOMs have considered short-term power purchases in the range of 1600 to 2000 MW for FY 2015-16 due to the following reasons:

Standby arrangement in case of delay in Commercial Operation Date (CoD) of new power plants i.e. Hinduja and APGENCO-Krishnapatnam (Commissioning dates of Hinduja & Krishnapatnam are expected to be delayed. The latest information is that Hinduja unit-I is expected to be commissioned by June, 2015 & Unit-II is expected to be commissioned by October-December, 2015; Similarly, Krishnapatnam Unit-II is expected to be commissioned by July, 2015).

Meet peak demand during the day - Morning (2 hrs) and evening (4 hrs).

Meet peak demand during the Rabi season.

Meet in case of any outage from generating stations or shortfall in availability of coal/ fuel.

Non-availability of transmission capacity from NEW grid.

The licensee expects that out of the surplus of 11087 units, 6438 units of short-term power purchased will be consumed and the rest 4649 units will act as a reserve margin.

The GoAP is insisting on the Gol to focus on ensuring supply of gas to gas-based projects in AP.

Commission's View: The issues raised have been suitably addressed in permitting short-term purchases only up to the desirable and necessary level based on the available data.

Why so much short-term purchases?

72. Sri. M. Venugopala Rao, Senior Journalist and Convenor, Centre for Power Studies, Hyderabad, Ch. Narasinga Rao and Others have stated that the DISCOMs have argued that in order to achieve the objective of round-the-clock power supply to non-agricultural consumers during FY2015-16, they have considered short-term power purchases in the range of 1600 MW to 2000 MW citing certain reasons: Against a total requirement, including peak requirement of 58,191 MU to meet the above mentioned objective, a surplus of 11109 MU works out to 19.09%. Obviously, such a high percentage of reserve margin is imprudent and unwarranted in view of the attendant risks involved. In this connection, the Commission is requested to consider the following points, among others:

- (i) EPDCL total sales actually made during FY2013-14 are 12119.04 MU against the total sales of 13328.16 MU approved by APERC. Against such variation between approved sales and actual sales during 2013-14, growth rate in actual sales during FY2014-15 over actual sales during FY2013-14 works out to be higher. As such, it is unrealistic to assume similar yearly growth rate of 20% for FY2015-16 over FY2014-15 sales.
- (ii) Regarding surplus of short-term power of 11,087 MU estimated to be available during FY2015-16, the DISCOMs have contended that a part of it (2662 MU) could be utilized if CoDs of APGENCO-Krishnapatnam (1600 MW) and Hinduja (1040 MW) projects are delayed, or the surplus energy can be sold on power exchange in the Southern Region or through bilateral sales to any other state in the same region. Similarly, the

DISCOMs have contended that from January to March 2016, short-term power (another 2275 MU) and from July to December 2015, short-term power (1501 MU) will be utilized to meet the peak demand, or the same will be sold to the Southern Region. These assumptions of the DISCOMs are hypothetical for they have already considered peak demand also in the projected demand during FY2015-16.

- (iii) The proposal to re-sell the short-term surplus power to other States in the Southern region shows that the GoAP is hasty in entering into agreements to purchase short-term power either based on unrealistic assumptions or in a casual manner, unmindful of the consequent risks in acting like a speculative trader purchasing and re-selling power.
- (iv) According to the DISCOMs, no additional cost is being factored as of now for a surplus of 6438 MU. At the same time, they have proposed that if the DISCOMs utilize the surplus power, or if the same is sold to other States or on power exchange, then the variation in power purchase cost or any additional revenue would be recovered or adjusted, as the case may be in the ARR of the subsequent year, i.e., FY2016-17. However, the DISCOMs have not explained the financial impact that would be felt, if they fail either to use the surplus or sell it to others as proposed by them. The cost of short-term purchases range from ₹5.75 to ₹7.82 per unit for FY2015-16. How far the DISCOMs would be able to re-sell such costly power profitably is a big question mark.
- (v) Excluding 6438MU, the remaining surplus would be 4649MU. The DISCOMs have admitted that according to the contracts signed for the short-term power purchases, a penalty of 20% of the cost of power has to be paid if the power is not being purchased/ dispatched. As such, the DISCOMs have informed that the penalty amount of ₹567.15 Cr. has been factored under fixed cost for short-term power purchases in FY2015-16 @ ₹1.72 per unit for a quantum of 3307 MU which means the DISCOMs would pay that amount without purchasing a single unit of power from sellers! What about the balance surplus of 1342 MU? Are the DISCOMs expecting any amount towards penalty from the suppliers, in case the later fail to dispatch the contracted quantum of power during FY2015-16? Did the

DISCOMs get any amounts under such penalty from suppliers for their failure to supply power under short-term, medium-term or long-term contracts during FY2014-15?

- (vi) There does not seem to be any prudent propriety or legal tenability and respect for applicable regulatory process of the Commission on the part of the GoAP in making the DISCOMs enter into contracts for purchases of short-term power indiscriminately, even without seeking consent of the APERC that has been in existence with due authority in the undivided Andhra Pradesh and after bifurcation of the State till the present APERC is formed for the quantum, period and ceiling price per unit for purchasing short-term power. The Commission is requested to explain since this would impose huge financial burden on AP consumers.
- (vii) For these questionable, speculative and unwarranted actions of the GoAP, the consumers of power should not be penalized. Therefore, the Commission is requested to reject factoring of ₹567.15 Cr. under fixed cost for short-term power purchases towards payment of penalty by the DISCOMs to suppliers. Similarly, imposition of additional burden in the form of penalty for not purchasing or loss if re-sold for the remaining short-term power, whether purchased or re-sold or not, should not be permitted to be imposed on consumers either in FY2015-16 or in the ARR for FY2016-17.

Discoms Response: To achieve the objective of 24x7 power supply, the AP DISCOMs have considered short-term power purchases in the range of 1600 to 2000 MW for FY2015-16 due to the following reasons:

- Standby arrangement in case of delay in Commercial Operation Date (CoD) of new power plants i.e. Hinduja and APGENCO-Krishnapatnam (Commissioning dates of Hinduja & Krishnapatnam are expected to be delayed. The latest information is that Hinduja unit-I is expected to be commissioned by June, 2015 & Unit-II is expected to be commissioned by October-December, 2015; Similarly, Krishnapatnam Unit-II is expected to be commissioned by July, 2015).
- Meet peak demand during the day - Morning (2 hrs) and evening (4 hrs).

- Meet peak demand during the Rabi season.
- Meet in case of any outage from generating stations or shortfall in availability of coal/ fuel.
- Non-availability of transmission capacity from NEW grid.
- The licensee expects that out of the surplus of 11087 units, 6438 units of short-term power purchased will be consumed and the rest 4649 units will act as a reserve margin.

The GoAP is insisting on the Gol to focus on ensuring supply of gas to gas-based projects in AP.

Sales projections are made as per the historical sales data, upcoming loads which will have large impact in the sales, anticipated economic & climatic conditions, Govt. policies on industry, etc. All these factors will not be under the control of the licensee. The licensee is projecting sales with the acceptable scientific methods.

The DISCOMs have projected sales keeping in view the economic condition of the districts after bifurcation, increasing industrial activity, focus of new government on industries and commercial activities, expected shifting of investments to Andhra Pradesh. The Government is focused to provide 24x7 supply of power to all consumers. Therefore, there will be no load restriction. An application of pending loads has been considered in FY2015-16. Additional LI Schemes coming in FY2015-16 have added 4% growth in FY2015-16. Excluding LI Schemes, the growth rate is 16% (state level) which includes normal growth rate of sales, removal of load restriction, additional growth due to “Power for All”, “new capital city”, “increasing economic activity in AP” and considering pending HT loads. In addition, the DISCOMs have considered pending industrial loads of around 1500-1600 MW.

The projected demand of sales is based on the average monthly sales and the peak demand is not factored in the projected demand. The peak demand is generally 10%-15% higher than the average demand. Therefore, short-term power purchase will be required for meeting the peak demand.

Similarly, peak demand during the day would be at least higher by 15% compared to the average demand.

To ensure quality reliable supply, the DISCOMs have to plan to meet peak demand in a day and in a season. This would lead to increase in power purchase cost due to surplus during off peak.

The DISCOMs expect that due to the expected delay in commissioning of Hinduja & Krishnapatnam and to meet the peak demand in the morning (2 hrs) and evening (6-10PM) and to meet the peak demand in Jan-Mar'16, 6438 MU will be consumed and re-selling of such short-term power will not be required.

In case of supplier not able to dispatch the contracted quantum of power, the supplier is liable to pay the penalty. DISCOMs have earned ₹24.59 Cr. as compensation from power traders during FY2013-14. Considering the aim of providing 24x7 power supply in the State, it is imperative to make all possible ways for power procurement, the DISCOMs have projected the power procurement plan.

Commission's View: Without expressing any final opinion on merits on each of the perspectives presented against the quantum of short-term purchases proposed by the Licensees, to avoid any permanent prejudice against consideration of such requirements if they were to arise in the ensuing financial year, all these aspects are kept in view for down grading the permitted quantity of short-term purchases.

Indiscriminate short-term purchases:

73. Sri. M. Venkaiah, Secretary, Tirumala Tirupati Lodge & Hotel Owners Association and Sri. N. Venkata Reddy, Managing Director, Sriramdas Paper Boards (P) Ltd., have stated that 5250 MU of energy need to be procured to meet the energy requirement. But the DISCOM is contemplating to procure 16,359 MU through short-term sources and this will result in higher average price per unit. There does not seem to be any prudent propriety or legal tenability and respect for applicable regulatory process of the Commission on the part of the GoAP in making the DISCOMs enter into contracts for purchase of short-term power indiscriminately, even without seeking consent of the APERC that has been in existence with due authority in the undivided Andhra Pradesh and after bifurcation of the State till the present APERC is formed for the quantum, period

and ceiling price per unit for purchasing short-term power.

Discoms Response: Nearly 80 to 85% of the entire un-restricted demand is met by the base loads through long-term PPAs. Since the supply demand curve is very dynamic and sensitive, it depends on many parameters like monsoon; rainfall; growth in consumption; festivals; elections etc., there will always be system exigencies like tripping of unit or sudden drop in demand like on a rainy day etc. Because of the cost considerations, we cannot depend on the long-term purchases for 100% power procurement. As such, power purchases through short-term basis from UI, Exchanges & Traders etc. to an extent of 11% to 15% is being carried out by APPCC on behalf of all DISCOMs within the ceiling rate approved by the Commission. Generation is not received from the developers as per the PPA quantities due to non-availability of gas, coal, failure of monsoon etc. Non-availability of transmission corridor from NEW Grid restricted the power purchases through bilateral agreement/ short-term power purchases at competitive rate.

Commission's View: The quantum of permitted short-term power purchases is brought down to an acceptable level from the proposed quantum.

Imported Coal procurement resulted in higher Power Purchase Cost:

74. Sri. M. Thimma Reddy, Convenor, People's Monitoring Group, Sri. K. Raghu, Telangana Electricity Employees Joint Action Committee & Dr. Divakar Babu, Secretary, Consumer's Guidance Society have stated that a large proportion of this revenue gap is accounted for by power purchase costs. One of the reasons for high power purchase costs is importing coal at higher cost. Intelligence Bureau (IB) is reported to have gathered information that fraud had gone into procuring coal from foreign sources. AP also figures in this list. This needs to be taken into account while examining this request for true up.

Discoms Response: In purview of the Commission.

Commission's View: As the matter is either under investigation or sub-judice, it will not be proper to express any opinion.

Pre-ponement of supply of power to 1st April, 2015 by TPCIL:

75. Sri. M. Venugopala Rao, Senior Journalist and Convenor, Centre for Power studies, Hyderabad and Others have stated that under the long-term power

purchase agreement (PPA) signed with Thermal Power Tech Corporation India Limited (TPCIL) by the DISCOMs of Andhra Pradesh and Telangana for supply of 500 MW for a period of 25 years, the AP DISCOMs have been allocated a share of 46.11%, i.e., 231MW, under G.O. Ms. No. 20. As per the terms of the PPA, TPCIL has to commence supply of power from 1st April, 2017 to the DISCOMs. However, the Company has requested the DISCOMs to pre-pone commencement of supply of power to them to 1st April, 2015 in view of early commissioning of the units of their project. The DISCOMs have informed that the request of TPCIL is “under consideration by AP and Telangana DISCOMs” and that availability of 1616 MU to AP DISCOMs for FY2015-16 “has been considered.” Variable cost of ₹1.76 per unit and fixed cost of ₹313.29 Cr. is considered for FY2015-16. What is the total cost per unit? The Commission is requested to examine whether agreeing to pre-pone the commencement of supply of power to 1st April, 2015 by this project is desirable and beneficial, especially in view of the binding contractual obligations on the DISCOMs to purchase surplus short-term power or pay hefty penalty for non-purchase.

Discoms Response: Thermal Power Tech is a long-term source and cheaper source. Considering the aim of making the state 24X7, it is imperative to make all long-term sources materialize as early as possible.

Commission’s View: The Commission finds no reason to disagree with the licensees.

Power procurement from Jhajjar:

76. Sri. M. Venugopala Rao, Senior Journalist and Convenor, Centre for Power Studies, Hyderabad and Others have stated that after bifurcation of the State, A.P. has been reallocated a share of 105 MW till the end of May, 2015 and additional 200 MW till the end of March, 2015 from Jhajjar Power Project. The DISCOMs have contended that “Andhra Pradesh may request MoP, Gol, for further extension of allocation from Jhajjar Power Project for one more year subject to surrendering of firm share by Delhi DISCOMs for one more year.” The expected availability from this project to the DISCOMs in FY2015-16 is 1964 MU. What is the cost of Jhajjar power per unit? The Delhi DISCOMs have surrendered their firm share in this project because of prohibitively high cost of that power. In view of availability of surplus power from compulsory short-term purchase

obligations under the contracts signed and attendant additional burdens, the Commission is requested not to permit the DISCOMs to get costly power from Jhajjar for the year FY2015-16.

Discoms Response: The decision to agree for the extension of allocation from Jhajjar Power Project was taken before entering into short-term contracts. The availability of power from Jhajjar Power Project was considered and short-term contracts were entered into to meet the deficit left.

Commission's View: The suggestion will be kept in view if any request for extension beyond 31.03.2015 is received by the Commission.

Whether any penalty collected from "Corporate Power":

77. Sri. M. Venugopala Rao, Senior Journalist and Convenor, Centre for Power studies, Hyderabad and Others have stated that the DISCOMs also had a PPA with Corporate Power for 150 MW under medium-term, but the power would not be available from the Company due to non-allocation of transmission capacity by PGCIL. Is there any provision in the PPA for payment of penalty in the event of failure to supply power to the DISCOMs by Corporate Power, as in the case of short-term purchases? If so, have the DISCOMs collected any amount towards penalty so far and how much amount is expected for FY2015-16.

Discoms Response: As per the provisions of the PPA, concerned department/ wing is examining the penalty to be levied on Corporate Power.

Commission's View: The Licensees are expected to enforce their rights as per the contractual obligations of the parties, which the licensees stated to be under examination.

Scope for availability of additional power not considered:

78. Sri. M. Venugopala Rao, Senior Journalist and Convener, Centre for Power Studies, Hyderabad and Others have stated that against allocation of 46.11% share (461 MW out of 999 MW) to A.P. DISCOMs from the four gas-based private power projects of GVK, Spectrum, Lanco Kondapalli and Reliance BSES, only 1285 MU is considered for 2015-16 with an average PLF of 41% due to shortage in supply of allocated natural gas. Energy availability is not considered from GVK Extension, Vemagiri, Gautami and Konaseema (total

1499 MW with a share of 46.11% for A.P. DISCOMs), as there has been no supply of natural gas from Reliance Industries Limited from KG D6 fields to these projects from 01.3.2013 onwards. The DISCOMs have not considered scope for availability of additional power from the existing power projects. Nor does the GoAP seem to be making concerted efforts to ensure optimum generation and supply of power exceeding the projected quantum from the existing and upcoming projects for 2015-16. The Commission is requested to consider the following points:

- (i) The Government of India has reportedly agreed to divert 2.4 MMBTU of natural gas from the supplies being made to fertilizer plants to enable generation of additional 450 MW from the gas-based projects in A.P. which supply power under PPAs to the DISCOMs of A.P. and Telangana. From this, AP DISCOMs can get their share of 208 MW.
- (ii) The DISCOMs have considered only 75% PLF for APGENCO and Hinduja projects. This may be due to possible short supply of indigenous coal and technical constraints of confining use of imported coal to about 15%. New thermal projects can achieve a PLF of 85-90% in the initial period of commencing their commercial operations. Some of the projects of AP Genco can achieve a PLF of more than 80%, if adequate and timely supply of coal is ensured.
- (iii) If the GoAP insists on the Gol to ensure supply of natural gas and indigenous coal at least as per the allocations made to power projects which supply power to A.P. and Telangana and succeeds in that direction, substantial additional power will be available from the existing and upcoming power plants. In such an eventuality, the A.P. DISCOMs can get an additional power of not less than 50 MU per day by making use of idle capacity of the existing and upcoming projects.

Discoms Response: The GoAP is insisting on Gol to focus on ensuring supply of gas to gas based projects in AP and to ensure availability of domestic coal to thermal stations of APGenco. The GoAP is also considering the swapping of imported coal with domestic coal being available to other thermal power stations.

Commission's View: The well-considered suggestions of Sri.M.Venugopala Rao deserve the attention of the licensees and the State Government in formulating their follow-up action.

Industrial growth versus high percentage of reserve margin:

79. Sri. M. Venkaiah, Secretary, Tirumala Tirupati Lodge & Hotel Owners Association has stated that compared to the previous years, the industrial growth rate has come down which is as per the statistics in the public domain. In our state, the loans of the commercial establishments/industrial units/hospitality business houses are turning NPA and this is on the constant rise. These facts have not been considered by the DISCOM for the energy deficit and power purchase. Against a total requirement, including peak requirement, of 58,191 MU to meet the above-mentioned objective, a surplus of 11,109 MU works out to be 19.09%. Obviously, such a high percentage of reserve margins are imprudent and unwarranted in view of attendant risks involved.

Discoms Response: Sales projections are made as per the historical sales data, upcoming loads which will have a large impact in the sales, anticipated economic & climatic conditions, govt. policies on industry, etc. The DISCOMs have projected the sales keeping in view the economic condition of the districts after the bifurcation, increasing industrial activity, focus of new government on industries and commercial activities, expected shifting of investments to Andhra Pradesh. The government is focused to provide 24x7 supply of power to all consumers. Therefore, there will be no load restriction. Applications of pending loads have been considered in FY 2015-16. Additional LI schemes coming in FY 2015-16 have added 4% growth in FY 2015-16. Excluding LI schemes, the growth rate is 16% (state level) which includes normal growth rate of sales, removal of load restriction, additional growth due to "Power for All", "new capital city", "increasing economic activity in AP" and considering pending HT loads. In addition, the DISCOMs have considered pending industrial loads of around 1500-1600 MW.

Commission's View: The sales projections and power purchase requirements were subjected to a realistic re-assessment.

Energy deficit met by high cost bi-lateral purchases:

80. Sri. M.R. Prasad, Secretary General, A.P. Ferro Alloys Producers Association stated that the revenue realization from different consumer mix is varying significantly which in turn is forcing the DISCOMs to purchase high cost power, which is increasing the unit price. Hence the objector submits that any energy deficit met by high cost bi-lateral purchase in lieu of state's own resources should not be allowed as a pass through.

Discoms Response: There is no correlation between change in revenue realization Vs power purchase cost.

Licensee has two options to meet energy demand:

- 1) Load restriction or Load relief.
- 2) Procure from ST sources and supply to consumers.

In case of the latter, the additional power purchase cost is to be recovered from consumers.

Commission's View: The un-avoidable anomaly is the inevitable consequence of categorization of consumers.

Power purchase cost versus falling coal prices:

81. Sri. M.R. Prasad, Secretary General, A.P. Ferro Alloys Producers Association stated that it is well established that imported coal prices are steadily falling and adjustments in respect of coal mix should proportionately be reduced from the power purchase cost.

Discoms Response: The same has been factored in Power Purchase cost projections. As per the filings, only 3% escalation is being considered after factoring imported coal cost and optimum fuel mix subject to technical parameters of each station.

Commission's View: No further elucidation is required in view of the response of the licensees.

Difference in energy rates filed by HNPCL, EPDCL & SPDCL:

82. Sri. Sidhartha Das, Vice president, Commercial, HNPCL has stated that it may kindly be noted as per their ARR submission to APPCC vide letter dated 22.09.2014 that the fixed and variable costs for the first year of operation were

projected at ₹2.86/unit and ₹2.13/unit respectively. However, it is noticed that in the ARR filed with APERC, the fixed and variable costs considered by EPDCL & SPDCL for our project are ₹1.79/unit and ₹1.86/unit respectively. The reasons for the apparent disparity between the tariff projections submitted by the company to APPCC and the ones submitted by EPDCL & SPDCL to APERC are not known to the company and are a cause of concern.

Kindly appreciate that while projecting out tariff for ARR purpose, the company had reckoned the fixed costs based on the estimated capital cost relevant at the time of submission and the commissioning dates of unit #1 and unit #2 as January, 2015 and March, 2015 respectively.

However, the super cyclone “Hudhud” has adversely impacted HNPCL’s power project in Visakhapatnam particularly causing damage to the temporary structures and sea water intake outfall system, thus delaying the planned commissioning of the project in FY2015-16. The company is in the process of assessing the commercial impact of the cyclone damage to arrive at the revised fixed and variable costs.

Hence it may be seen that the tariff for HNPCL project filed in ARR by EPDCL & SPDCL is grossly insufficient for the plant to recover its fixed and variable costs necessary to operate the plant and service its debt obligations.

In view of the foregoing, clarification is submitted on the ARR filed by EPDCL & SPDCL and it is requested to revise the per unit fixed cost and variable cost of HNPCL project in the ARR to make them consistent with the first operational year tariff as projected in the letter dated 22.09.2014 i.e., fixed cost of ₹2.86/unit and variable cost of ₹2.31/unit.

Discoms Response: In the absence of commission determined tariff for the two units of HNPCL, licensees have considered an indicative fixed cost of ₹1.79/unit and indicative variable cost of ₹1.86/unit for FY2015-16 in the ARR filing of Retail Supply Business of FY2015-16. In case of any deviations, Licensees will recover from next year ARR under true up.

Commission’s View: The issue of fixed and variable cost for HNPCL project is under the examination of the Commission on a petition filed for the purpose and hence no opinion can be expressed herein.

Private power producers cost should not fall on consumers:

83. Sri. Y. Kondaiah, CPI (ML) New Democracy has stated that cost paid to private power producers is not to be imposed on consumers.

Discoms Response: EPDCL stated that it is procuring power as per the merit order approved by the Commission.

Commission's view: Nothing further to add to the licensees' response.

Purchase of gas from outside the state:

84. (a) Sri. M. Devudu Babu, representing Akhila Bharata Rythu Cooli Sangham has stated that gas is available in our State. Why to get it from outside? Why to give it to Reliance and again buy it back from them?

(b) Ch. Nageswar Rao, CPI (ML) and Sri. Sarath Chandra, Lok Satta have stated that gas available in our State is to be utilized in our State only.

Discoms Response: Gas is not available from Reliance KG D-6 since 01.03.2013, hence projections from IPPs procuring gas from Reliance KG D-6 have not been considered.

Commission's view: It is not within the purview of the Commission.

Objections relating to Aggregate Revenue Requirement

MYT Order needs to be Reviewed Consequent to Bifurcation:

85. Sri. M. Thimma Reddy, Convenor, People's Monitoring Group, Sri. Y. Sambasiva Rao, CPI (ML) New Democracy, Sri. K. Raghu, Telangana Electricity Employees Joint Action Committee, Dr. Divakar Babu, Secretary, Consumer's Guidance Society & Sri. K. Polari, Chief Secretary, IFTU have stated that consequent to the bifurcation of the State, transmission, distribution and SLDC assets/capital structure has undergone a change. The network costs arrived through MYT order for the control period FY2014-15 to FY2018-19 may not reflect the prevailing conditions. New MYT needs to be computed taking into account the changes that have taken place consequent to bifurcation of the state.

DISCOMs Response: The DISCOMs are evaluating options to file revised MYT or adjust the deviation through true up.

Commission's View: The further course of action by the licensees will be awaited.

True up claims needs to be examined thoroughly:

86. (a) Sri. Y. Sambasiva Rao, CPI (ML) New Democracy stated that it is not fair to entertain true up proposals without having sufficient justification for the expenditure incurred in the past.

(b) Sri. M. Venugopala Rao, Senior Journalist and Convenor, Centre for Power Studies, Hyderabad and Sri. Penumalli Madhu, Secretary, CPI (M), A.P. Committee have stated that the veracity and permissibility of true up claims of the DISCOMs need to be examined thoroughly and pruned accordingly.

Discoms Response: True up petition with all the relevant data is submitted to the Commission along with ARR filings.

Commission's View: The request for true up is considered up to acceptable limits only for the limited purpose of tariff fixation.

True up for FY2013-14 and FY2014-15 should be examined prudently:

87. Sri. M.R. Prasad, Secretary General, A.P. Ferro Alloys Producers Association stated that the DISCOMs have stated that while there is a decrease in metered sales, there is an increase in unmetered sales beyond tariff order quantities resulting in tariff distortion. Hence, the commission may direct the GoAP to reimburse the cost of sales to LT-V consumers in excess of tariff order quantity, and ensure that the subsidizing category of consumers are reimbursed to maintain the level of cross subsidy as per the ratio of tariff order in view of the decrease in metered sales. Since the True up for FY2014-15 submitted by DISCOMs is based on estimates, we request the Commission to examine the same prudently.

Discoms Response: This is within the purview of the Commission.

Commission's View: Prudent examination of the issues raised will definitely be made when the exercise of true up for FY2014-15 is taken up.

DISCOMs did not provide any explanation for Revenue Gap:

88. Sri. M. Thimma Reddy, Convenor, People's Monitoring Group, Sri. K. Raghu, Telangana Electricity Employees Joint Action Committee & Dr. Divakar Babu, Secretary, Consumer's Guidance Society have stated that both EPDCL and SPDCL did not provide any explanation for the revenue gap during FY2014-15.

Discoms Response: Non increase of any tariff in FY2014-15 and increase in power purchase costs in FY2014-15 compared to the year FY2013-14 is the reason for revenue gap in FY2014-15.

Commission's View: The justification for the claimed revenue gap will have to be examined after the accounts for FY2014-15 are audited and truing-up for that year is taken up as per the prescribed procedure.

Charges for idle capacity should not be imposed on consumers of AP:

89. Sri. M. Venugopala Rao, Senior Journalist and Convenor, Centre for Power studies, Hyderabad and Sri. Penumalli Madhu, Secretary, AP State Committee, Communist Party of India (Marxist) have stated that while creating additional transmission capacity for evacuating originally intended share of Telangana DISCOMs from the projects of Krishnapatnam of AP Genco, Hinduja, etc., whose installed capacity AP DISCOMs are now claiming completely for themselves, AP Transco must have spent a substantial amount. Charges for such capacity which remains idle as a result of this stand of AP DISCOMs should not be permitted to be imposed on AP consumers.

Discoms Response: AP Transco will examine this issue and will file for the revised MYT, if required.

Commission's View: Any such filing by APTRANSCO is awaited for examining the issue.

The filings are not as per MYT regulation:

90. Sri. M.R. Prasad, Secretary General, A.P. Ferro Alloys Producers Association stated that the purpose of MYT Regulations as contemplated in para 8.1 of the tariff policy and the Regulations issued by the Commission is to ensure tariff predictability and certainty. The present filings are not in accordance with MYT Regulations issued by the Commission for the reason that the applicants are filing their tariff proposals annually and not for the entire control period as required under the Regulations. It is humbly submitted that the Commission should not have allowed this kind of departure from Regulation issued by this very Commission.

Discoms Response: As per Regulation No.4 of 2005, the licensee is required to file the Aggregate Revenue Requirement (ARR) for Retail Supply Business and Tariff proposal for the entire control period i.e., for the period from FY2014-15

to FY2018-19. However, the licensee requested the Commission to allow for submission of the ARR and Tariff filing for Retail Supply Business for FY2015-16 on a yearly basis, instead of the entire control period due to the following reasons:

- i. Significant uncertainty regarding the availability of energy and cost of power purchase for the 3rd Control Period: Availability of Energy: There is uncertainty regarding the likely commissioning dates of some of the GENCO Stations, Central Generating Stations, UMPPs and Others. Timely commissioning of the new generating stations is likely to have a material impact on the overall power purchase costs of the licensee.
- ii. **Power Purchase Costs:** The Order on Generation Tariffs based on the Generation regulation is yet to be passed by APERC. Hence, the quantum of deviations between the generation tariffs used in the projections and the approved costs are likely to be high if the power purchase cost projections are made for the entire 3rd control period.
- iii. In retail supply business, apart from the cost of service, the retail tariffs are also dependent on:
 - (a) External factors such as the subsidy support from the GoAP and cross subsidy levels across the consumer categories.
 - (b) Power Purchase Cost is a highly uncontrollable factor as it further depends on the availability of domestic coal, gas allocations, rains, Govt. policies, etc.

Hence, the objective of providing tariff certainty to consumers is unlikely to be met in Retail Supply Business unless there is clarity on the above factors, most importantly, regarding cost of service (for whom the major factor is power purchase cost).

Considering the prevailing circumstances, the Commission has been kind enough in granting permission to submit the ARR & Proposed Tariff Filings in respect of the Retail Supply Business for FY2015-16 instead of total control period of FY2014-15 to FY2018-19.

Commission's View: Annual filings for FY2015-16 were permitted by the Commission on merits on the request of the licensees.

Tariff not commensurate with the costs:

91. Sri. K. Ramakrishnam Raju, Former Electrical Safety Officer, Gujarat Army Stations stated that tariff has not been proposed to be commensurate with the expected expenditure/rise in wages/Development activities/HUDHUD losses etc.

Discoms Response: Hudhud loss has not been included in the present ARR/Tariff proposals. It will be filed with APERC at the time of filing true-up for distribution business for 3rd Control Period (FY2014-15 to FY2018-19).

Commission's View: Nothing further to add to the response of the licensee.

MYT principles

92. Sri. Danda Prasad, Deputy Chairman, Andhra Pradesh Spinning Mills Association objected with regret, to the relaxation of MYT findings of the DISCOMs for the third control period also, by APERC. While the Commission has the power to relax any provision of the tariff regulation, the purpose of MYT regulatory frame work to bring certainty and predictability as stated in the tariff policy stands defeated, if year after year MYT filings are relaxed. He urged the Commission to re-consider this relaxation and direct the DISCOMs suitably.

Discoms Response: The key objective of MYT framework is to reduce the regulatory uncertainty for consumers in tariff setting. This objective is achieved in the distribution business through wheeling tariffs set for the MYT control period which are based on the factors which are controllable by the licensee. However, in retail supply business, following are the key constraints in fixing a tariff for the entire control period.

There is high degree of uncertainty in power purchase costs and it has a significant impact on the 'Cost to serve' which forms the basis of fixation of retail tariffs. In addition to 'cost of service', the retail tariffs also depend on the level of subsidy support from the Government of Andhra Pradesh and cross subsidy levels across consumer categories. These factors are beyond the control of the licensee.

Hence the objective of providing tariff certainty to consumers, which is well established in distribution business in the form wheeling tariffs, is unlikely to be met with in the retail supply business due to the uncontrollable factors

mentioned above.

The risk of deviations in projections can be minimized if the retail supply projections are done on a year-on-year basis for the entire control period. The exercise of making power purchase cost projections which is the essential part of the Retail Supply Filing would not be useful given that the cost and availability estimates are likely to undergo significant change as tariff orders are passed and power plant implementation schedules get revised.

Hence, the AP DISCOMs have sought permission from APERC to file the ARR for Retail Supply Business for FY 2015-16 and APERC have granted permission for APDISCOMs to file ARR for Retail Supply Business on annual basis for FY 2015-16.

Commission's View: The suggestion will be kept in view while examining any future requests for relaxation.

Objections relating to Tariff

Levying of cross-subsidy surcharge during R&C periods:

93. Sri. Sandeep Ramesh, Executive Director, NILE Ltd., Hyderabad has stated that when the DISCOMs are not able to meet the energy demands by the industries, it is not fair on their part to collect cross subsidy surcharge on open access transactions.

Discoms Response: To ensure power to all at affordable prices, tariff has been designed with certain class of consumer categories as subsidized categories and others being subsidizing categories. To ensure lower level tariff to low-end domestic consumers, cottage industries, public lighting, public water works, religious places and irrigation are being cross subsidized with a little higher tariff from commercial and industrial categories.

If the consumers of subsidizing categories opt for open access without cross subsidy surcharge, the above said object cannot be achieved. Hence, cross subsidy surcharge has been proposed.

Commission's view: During the earlier Restriction and Control (R&C) measures periods, the Commission had ensured by its orders that no cross subsidies were claimed or allowed to the licensees.

Rationalization of tariff to cell towers:

94. Sri. Venkateswarlu Gadipudi, Deputy GM/Legal, AP&T, Vodafone South Ltd., Sri. Deshpande & Sri. Anmol Sethi, Indus Towers Ltd. have stated that the telecom service providers are charged for the electricity consumption of cell towers under Category LT-II (B) i.e., Non-Domestic/ Commercial category though the Mobile Switching Centers (MSCs) are charged under Category HT-II. Having stated thus, they wanted an order for the rationalization of tariff of telecom towers in the state (enclosing certain documents in support thereof). They also wanted a differentiation in tariff between urban areas and rural areas.

Discoms Response: They have stated that as per the tariff orders from time to time, the applicable category for Mobile Towers is LT Category-II, in case of LT and HT Category-II in case of HT.

Commission's view: The representation along with the enclosed documents will be referred to the licensees and the State Government for obtaining their views on the request for change in the categorization. It is also noted that in fact the Commission has decided earlier on merits that cell towers do not come within the meaning of industry.

Tariff should not be increased every year:

95. Sri. G.V. Jayachandra Chowdary, Sri. Y. Siddaiah Naidu and Sri. Goalla Hari Prasad Chowdary, all from Chittoor District have stated that the electricity tariff should not be increased every year.

Discoms Response: The primary reason to proposed increase in tariff is due to the increased power purchase cost. The reasons thereof are as under:

- a. Due to acute shortage of domestic coal, reliance is placed on imported coal at higher rates.
- b. Sufficient gas not being available to gas-based plants together with increasing gas prices.
- c. In view of the short supply of gas to gas-based plants, reliance is placed on short-term purchases at higher cost.

Commission's View: The increase or decrease or maintenance of the electricity tariffs at a particular level on annual basis or multi year basis is

based on full cost recovery subject to subsidies and cross-subsidies as per the prescribed procedure.

Not fair to increase tariff:

96. Sri. K. Venugopal Reddy, President, Chittoor District Congress Committee stated that the prices of crude oil and coal are falling down and hence requested not to increase the power tariffs.

(a) Sri. W. Raja Naidu has stated that the farmers are in a deplorable state of affairs due to famine and draught. Therefore, it is not fair to increase the tariff.

(b) Sri. P. Subramanyam, Sri. D. Narasimhulu Naidu, Sri. A. Bhaskar Reddy and Sri. S. Chinnaswami Reddy, Chittoor District have stated that the tariff for domestic consumers should not be increased.

(c) Sri. P. Pradeep, CPI (ML), Sri. U. Bhaskar Rao, CGRF Co-opted Member, Sri. T.S. Prakash, Kakinada have stated that tariff hike will affect poor people and requested to stop tariff hike.

(d) Sri. Ch. Narasinga Rao; Sri. G. Vamana Murthy, CPI; Sri. Hemanth Kumar, Research Scholar, Human Resources, Andhra University, Sri. Innam Ramana; Sri. Patnaik, MCPI (United) District Secretary, U.S.N.Raju, SFI State Committee, Sri. Y. Kondaiah, CPI (ML), New Democracy, Visakhapatnam, Sri. Devudu Babu, Smt. Baby Rani; Sri. D. Harinath, CPI (ML) Liberation, District Secretary, Sri. Muthyala Jameelu, BKS, Sri. R. Raja Rao, Sri. Ajay Kumar, CPI, Sri. Sarath Chandra, Sri. Chittipati Venkateswarlu, Sri. K. Siva Ramareddy, BSP; Sri. Emani Chandra Sekhar Rao, Suridu Party, Sri. Marrireddi Venkata Reddy, MCPI (U), State Committee Secretary, Sri. C.S.R. Koti Reddy, Rytu Samakhya, Nellore; Sri. Chennakesavulu, Mala Mahanadu, Guntur; Sri. V. Nagaraju, CPI (M); Sri. Jangam Naidu; Sri. I. Prabhakar Reddy, CPI (ML) New Democracy, Anantapur District and Sri. K. Venkatachalam, NILE Limited have opposed the tariff hike proposed by the DISCOMs.

Discoms Response: Tariff increase is not proposed in respect of agricultural services. Further, tariff has not been proposed to be hiked in respect of domestic consumers up to 100 units. In respect of other categories, a nominal

increase of tariff only 6% is proposed on energy and demand. The final decision on tariff rests with the Commission.

Commission's View: While there is no proposal to increase agricultural tariff, a just and reasonable decision is being arrived at on the proposal for increase of tariff for domestic and other consumers.

Jaggery Manufacturing should be shifted to LT-V (a) Category:

97. Sri. A. Bhaskar Reddy has stated that the jaggery manufacturing unit which is presently categorized as LT-III (Industry) with a proposed tariff of ₹4.91 per unit should be withdrawn and should be categorized as LT-V(a) i.e., agriculture and should be brought under free electricity supply.

Discoms Response: This is not under the purview of the DISCOMs.

Commission's View: The views of the licensees and the State Government will be sought for examining the request on merits.

Tariff for FY2013-14 and FY2015-16 should be the same:

98. Sri. Hari Kishore Kumar Reddy, Sri. Jalagam Kumara Swamy, Sri. G. Narayana Murthy, Sri. T. Nageswara Rao, Sri. B. Perraju, Sri. Ch. Prasad, Sri. N. Ramesh Babu of Bharathiya Kisan Sangh, Sri. Raavi Ranganath Babu, Sri. A. Satish Kumar, Sri. G. Srirambabu, Sri. J.V. Mallam and Sri. Y. Suryanarayana have stated that the tariff for FY2015-16 shall be maintained at the tariff levels for FY2013-14. They also opined that it is not fair and just to increase salaries of the employees, and recover the attendant deficit through tariff increase from the consumers.

Discoms Response: The salaries of the employees have been increased in line with the agreements signed with them. The distribution cost of ₹2153.24 Cr. submitted in the annual revenue requirement is in line with the Commission's distribution tariff order for FY2014-15 to FY2018-19. The final decision is that of the Commission.

Commission's View: A holistic view of the competing compulsions to which the licensees are subjected in balancing the interests of the consumers and the welfare of the employees has to be taken in assessment of a reasonable tariff.

Tariff rates compared with the Tariffs in Delhi:

99. Sri. Hari Kishore Kumar Reddy, Sri. Jalagam Kumara Swamy, Sri. G. Narayana Murthy, Sri. T. Nageswara Rao, Sri. B. Perraju, Sri. Ch. Prasad, Sri. N. Ramesh

Babu of Bharathiya Kisan Sangh, Sri. Raavi Ranganath Babu, Sri. A. Satish Kumar, Sri. G. Srirambabu, Sri. J.V. Mallam and Sri. Y. Suryanarayana have stated that the tariffs in the State are to be compared with the tariffs in Delhi, wherein it was reduced from ₹3.90 to ₹1.95 (for 0-200 units) and from ₹5.80 to ₹2.90 (for 201-400 units), although the tariffs for 400 units and above has been retained at ₹6.80 per unit.

(a) Sri. Ramana Babu, Aam Admi Party, Sri. T. Raja, SFI Kakinada and CH. Babu Rao, CPI (M) State Secretary have suggested that the tariff rates of Delhi should be made applicable in the State of Andhra Pradesh.

Discoms Response: It is proposed to retain the same tariff for 0-100 units in the domestic sector as was done in the FY2013-14. Even though the cost of service for domestic consumers is ₹6.47 per unit, the tariffs are proposed at present level for 0-100 units. Even after giving 50% subsidy in Delhi, the tariffs in A.P are less than that of Delhi tariffs. For example, the tariff for the first 50 units in A.P is ₹1.45 per unit and whereas, the tariff in Delhi is ₹2.00 per unit. Further, it may be noted that the agricultural consumption in Delhi is nominal, whereas agricultural consumption in AP is very high and cannot be compared.

Commission's View: Domestic tariffs are being attempted to be pegged at reasonable and affordable levels for different levels of domestic consumers, without sacrificing the financial health of the Licensees.

Power supply to fish culture and prawn culture:

100. Sri. Hari Kishore Kumar Reddy and others have stated that up to a level of 10 HP they should be brought under LT-IV category to the extent they are connected to the agriculture feeders receiving the same scheduled power supply. He also brought to the notice of the Commission that in the FY2013-14, DISCOMs themselves had made such a request; however, the Commission did not concede such a request based on the ground that no representation has been made to the above effect.

Discoms Response: The cost of service is ₹6.79 per unit for agriculture, ₹6.47 for cottage industry, and ₹6.34 for LT industry. In view of proposing a higher tariff for other subsidizing categories, fish and prawn culture are proposed a

tariff of ₹4.91 per unit. The final decision on this matter rests with the Commission.

Commission's View: The request is considered in providing a reasonable relief to fish and prawn culture.

Lift Irrigation Schemes:

101. Sri. Hari Kishore Kumar Reddy and others have stated that the private lift irrigation schemes, which are under category LT-IV are being given extended power supply for 16 hrs. After accounting for 7 hours free supply, they should be charged only ₹1 per unit as against ₹3.50 being charged now.

Discoms Response: This is under the purview of the Commission.

Commission's View: The Licensees and the State Government will be requested to offer their views for further examination of the subject.

Income-Tax payers should pay electricity charges:

102. Sri. Hari Kishore Kumar Reddy and others have stated that electricity charges are to be collected from the income tax payers under category LT-V and not from mere assesseees.

Discoms Response: This is not under the purview of the DISCOMs.

Commission's View: If the licensees request for such categorization, the same will be examined on merits.

Different tariffs for rural and urban:

103. Sri. Goalla Hari Prasad Chowdary, Sri. Babu Kiran, Sri. P. Gopala Naidu and Smt. P. Bharathi, all from Chittoor District have stated that there should be different tariffs for urban and rural people.

Discoms Response: No separate tariff proposals are made for the urban and rural.

Commission's View: The feasibility and reasonableness of any such proposals will be considered on merits, if received by the Commission.

Minimum tariff should not be applicable upto 100 units:

104. Sri. Goalla Hari Prasad Chowdary, Chittoor District and Sri. K. Vishwa Prakash Naidu, Chittoor District have stated that there should be no minimum charges up to 100 units consumption per month to help the common man.

Discoms Response: The present tariff for the first 50 units is ₹1.45 per unit and for the next 50 units; it is ₹2.60 per unit. No change is proposed in the present tariff proposals.

Commission's View: The licensees may examine on merits the request for raising the slab for imposing the minimum charges.

Customer charges, surcharges and penal charges to be reduced:

105. Sri. K. Vishwa Prakash Naidu, Chittoor District and Sri. S. Chinnaswami Reddy, Chittoor District have stated that the customer charges, surcharges and penal charges must be reduced.

Discoms Response: The energy and demand charges are nominally increased by 6% compared to the FY2013-14. There is no proposal to increase other charges.

Commission's View: The request is kept in view while fixing the tariffs.

50% Discount to be allowed in the rural areas:

106. Sri. S. Chinnaswami Reddy, Chittoor District and Sri. G. Chandrasekhar, Chittoor District have stated that a 50% discount in tariffs should be allowed for the people staying in rural areas.

Discoms Response: This is not under the purview of the DISCOMs.

Commission's View: The feasibility and reasonableness of any such proposals will be considered on merits if received by the Commission.

Tariff may be increased by 4% and 5%:

107. Sri. C.V. Mohan Rao, Secretary, Repalle Pattanabhivrudhi Sangham stated that the domestic tariff for FY2015-16 may be increased by 4% and the commercial LT-II tariff may be increased by 5% and all other categories under low tension and high tension may be increased by 5% only.

Discoms Response: The ARR and tariff proposals have been submitted to the Commission. The final decision rests with the Commission.

Commission's View: The suggestion is kept in view while fixing a reasonable tariff.

LED bulbs distribution - Free power to be reduced to 30 units per month:

108. Er.A.Punna Rao, Convenor, Praja Energy Audit Cell, Vijayawada stated that as DISCOMs will be completing the distribution of 2 LED Bulbs in 4 districts in 2014-15 and 9 districts in 2015-16, the limit of 50 units of free power may be reduced

to 30 units per month. The DISCOMs may distribute the LED Bulbs to the consumers of 0-100 units and free power users on a priority basis in 9 districts before 15th August, 2015.

Discoms Response: Two nos., LED Bulbs per each domestic consumer is being distributed under the Distribution of Energy Efficient Lighting Program (DELP) in Guntur & Anantapur Districts, (irrespective of the consumer consumption), at a nominal cost of Rs.10 per each bulb in exchange of Ordinary Filament Lamp. The object of the program is to give wide exposure on usage of energy efficient electrical apparatus, to reduce the demand on the system, to ensure reduction in the electricity bills of the domestic consumers, etc. The distribution of LED Bulbs will be completed in these districts by the end of this financial year. The Licensee is planning to implement the above DELP program in rest of the six districts of its area and action has been initiated.

Commission's View: The policy decision has to be taken by the State Government.

Tariff hike can be avoided:

109. Sri. M. Venugopala Rao, Senior Journalist and Convenor, Centre for Power Studies, Hyderabad; Sri. M.A. Gafoor, Secretariat Member, CPI (M), A.P. Committee; Sri. Penumalli Madhu, Secretary, CPI (M) A.P. Committee; Sri. Yarlagadda Venkateswara Rao, Secretariat Member, CPI (M), A.P. Committee; Sri. Chigurupati Babu Rao, Secretariat Member, CPI (M), A.P. Committee; Sri. Kandharapu Murali, State Committee Member, CPI (M); Sri. V. Nagaraju, Secretariat Member, CPI (M), Chittoor District Committee and Sri. K. Kumara Reddy, Secretariat Member, Chittoor District Committee, CPI (M) have stated that EPDCL and SPDCL have proposed a revenue requirement of ₹30,308 Cr. with a projected revenue from current tariffs of ₹22,592 Cr. and a revenue deficit of ₹7716 Cr. for the year 2015-16. A close perusal of the proposals of the DISCOMs makes it abundantly clear that the proposed tariff hike to different categories of consumers to the tune of ₹1261 Cr. can be avoided by taking prudent decisions. Moreover, if the neo-liberal policies being followed by the Central and State Governments are reversed with rational modifications to protect the larger public interest, the existing power tariffs or requirement of subsidy from the government or both can be reduced.

Discoms Response: DISCOMs proposed a marginal increase of 6% over a period of 2 years. This would mean an average of 3% per annum on FY2013-14 for all consumers except Domestic (0-100 units/ month). Whereas, the GoAP subsidy has increased from ₹3188 Cr. to ₹6455 Cr. This would mean an increase of 102% over the last year.

Commission's View: The above circumstances have been kept in view for arriving at a reasonable tariff.

Reject proposals for tariff hike:

110. Sri. M. Venugopala Rao, Senior Journalist and Convenor, Centre for Power studies, Hyderabad and Sri. Penumalli Madhu, Secretary, CPI (M), A.P. Committee, have stated that considering the above submissions, inflated demand and under-estimation of availability of power, besides the subsidy proposed to be provided by the government, among others, the Commission may reject the proposals of the DISCOMs for tariff hike for 2015-16.

Discoms Response: As per the ARR filed and expected govt. subsidy, a very nominal hike of 6% in tariffs has been proposed on energy charges and demand charges of all categories except LT agricultural & LT Domestic (up to 100 units).

Commission's View: An overall view of all the facts and circumstances is taken in fixing reasonable tariffs.

Measures needed to ensure adequate supply of power to consumers at reasonable tariffs:

111. Sri. M. Venugopala Rao, Senior Journalist and Convenor, Centre for Power Studies, Hyderabad and Sri. Penumalli Madhu, Secretary, AP State Committee, Communist Party of India (Marxist) have stated that strengthening public sector utilities like AP Genco and NTPC to take up and implement the proposed and new projects in time by providing necessary budgetary allocation for meeting equity, allocating and ensuring timely supply of adequate quantum of fuels required by them on a priority basis and ensuring fair bidding processes for implementing projects with least possible capital cost; taking concerted measures in a planned manner to ensure growth in production of fuels like domestic coal and natural gas by giving priority to the

public sector units in those areas, fixing prices of fuels in a rational manner based on prudent capital and operating costs and reasonable profit; clearing dues, if any to the DISCOMs by the State Government for additional power purchased at its behest earlier, improving efficiency of government's power utilities; effective measures for further reducing transmission and distribution losses, curbing theft and pilferage, collecting dues from consumers; implementing energy conservation measures in a phased manner based on cost-benefit analysis; avoiding manipulative terms and conditions in power purchase agreements with private power projects; paying special attention to research and development to tap sources of renewable energy in an economical way gradually and fixing their tariffs in a prudent way are some of the main measures required to ensure adequate supply of power at reasonable tariffs to meet the growing demand of consumers.

Discoms Response: The GoAP and the state utilities are taking all the necessary measures to ensure adequate power supply to consumers at reasonable tariffs.

Commission's View: The comprehensive measures suggested are well taken and will be kept in view by the Commission, while regulating the power sector.

The tariff hike is against the industry and commercial consumers:

112. Sri. M. Venkaiah, Secretary, Tirumala Tirupati Lodge & Hotel Owners Association, Tirupati, has stated that the proposal submitted by the SPDCL for determination of ARR and proposed tariff is against the interest of all types of consumers particularly, the Industry and commercial consumers.

Discoms Response: Keeping in view the facts that there was no power tariff hike during FY2014-15 and that the input costs are rising at a much higher level, the licensee is forced to propose a marginal increase of 6% in the demand charges and energy charges of all categories except for domestic consumers up to 100 units consumption and LT-V (Agriculture).

Commission's View: The proposed tariff hike is considered on merits keeping in view the interests of all types of consumers.

Increase of tariff by ₹1 for ToD would be unjust and discriminatory to the hotel industry:

113. Sri. M. Venkaiah, Secretary, Tirumala Tirupati Lodge & Hotel Owners Association, Sri. N. Venkata Reddy, Managing Director, Sriramdas Paper Boards (P) Ltd., have stated that the hotel industry's main business takes place between 5 PM and 11 PM and rest of the day it would normally be average or above average. Other industries operate throughout the day and any time is equal for them but that is not so in the case of hospitality industry. In view of these reasons, further increase of tariff by ₹1/- for ToD would be unjust to the hotel industry and quite apart, it is discriminatory and hence requested to delete the ToD charges. Proposal of DISCOMs to merge certain categories in HT and to increase the demand charges to LT- Industrial Consumer and HT - Industrial consumer is a burden on the industries. Proposal of DISCOM to increase the demand charge to ₹371 to HT category will have huge financial impact and they cannot bear the same.

Discoms Response: In order to meet the demand during peak period the DISCOMs are procuring costly power from bilateral purchases/traders and power exchanges. The power purchase cost works out to ₹5 to ₹6 and even higher at certain times than the average power purchase cost. The CoS is determined based on the average power purchase cost. In order to mitigate the burden of expensive power purchase cost, the Licensee has proposed a hike in ToD tariff for HT consumers who shift from peak to non-peak period. It enables the DISCOMs to reduce peak deficit and thus power purchase cost.

Commission's View: The objection and the response were kept in view while examining the issue.

To categorize Domestic category (LT-I) under one category:

114. Sri. Meesala Basava Punnaiah, President, A.P. State Hire Working (Non-Trading) Rice Millers Association, Guntur has stated that LT-I Category was divided unlawfully into 4 sub-categories such as A, B, C and D and the same is being continued since the year 2014-15 proposal. The tariffs and customer charges were also fixed on the use of total consumption of those sub-categories. This is not correct and against the Act and Rules therein. Hence, this proposal must be totally rejected and see that only one category is proposed.

Discoms Response: With the additional subsidy provided by the Govt., of A.P the tariff was revised for domestic consumers whose consumption is less than 200 units per month during the FY2013-14 and the same is being continued during FY2014-15 also.

To ensure lower tariff to the consumers consuming up to 100 units per month, no tariff increase has been proposed for the FY2015-16. A 6% marginal increase has been proposed in the tariff for the consumers consuming above 100 units per month.

No hike is proposed in the customer charges. To ensure lower level charges to the consumers of low-end consumption, the customer charges are being collected based on the monthly consumption.

Commission's View: Sub-categorization of LT-I category which appears to be beneficial to the consumers does not appear to be *per se* illegal.

To merge all LT-II sub-categories into one category:

115. Sri. Meesala Basava Punnaiah, President, Rice Millers Association, Guntur & President, Repalle Consumers' Council, Repalle has stated that LT-II Category was also divided into two sub-categories such as A & B. This is also against the Act and Rules thereunder and the fixation and collection of tariffs on those sub-categories and the collection of customer charges accordingly must be rejected totally. Only one category must be proposed.

Discoms Response: The proposed CoS for this category is ₹6.47/unit. The licensee has proposed a lower level tariff for the consumers who consume up to 50 units per month (i.e., ₹5.72) and higher tariff to consumers whose consumption is above 50 units per month as this being the subsidizing category in order to maintain lower level of tariffs to certain subsidized categories.

Commission's View: Sub-categorization of LT-II category, which appears to be beneficial to the consumers does not appear to be *per se* illegal.

Ferro Alloy Industry - Uniform tariffs for 132 kV and 33 kV:

116. Sri.M.R. Prasad, Secretary General, A.P. Ferro Alloys Producers Association, Sri. B. Surendra Reddy, Managing Director, Om Sri Sai Ferro Alloys Pvt., Ltd., Nellore, Sri. M.S.S Sharma and Sri. Sandeep, Sr. General Manager, Anjaneya Ferro Alloys, Sri. P. Maheswara Reddy and Sri Vijay Gopal Reddy have stated that the three

states of Meghalaya, Bhutan and Arunachal Pradesh were accorded special status by the Govt., of India, as a result of which they were exempted from paying central excise and sales tax. Moreover, the power tariff in these states is very low compared to A.P. The power tariff in the states of West Bengal and Assam is also very much less than that of A.P. As a result of these higher tariff charges in the state, we are unable to compete with them in the ferro alloys market. As such it is our fervent appeal not to increase power tariff for HT-I (B).

The present tariff for 33 kV units is 40 paisa more per unit than that of 132kV units, resulting in more cost of production for 33 kV than 132kV. Because of this difference in tariff charges, we are facing difficulties in competing with units with 132kV connections. As such, it is requested to bring the tariff charges for 33 kV on par with 132kV, or at least bring this difference of 40 paisa to a minimum level, so as to enable 33 kV units to effectively compete with 132 kV units or alternatively provide meters for 33 kV units also at the sub-stations on par with 132 kV units and extend the same tariff.

Discoms Response: The approved 33 kV losses for the FY2015-16 are 4%. In addition, the DISCOM has to incur distribution cost (₹0.64/unit on an average). Owing to the above, the difference between tariffs of 132 kV and 33 kV HT industrial is justifiable.

Commission's View: Let the Licensee take a view.

Continue the existing industrial tariff for the FY2015-16:

117. Sri.Ch. Ajay Kumar, CITU has stated that tariff hike will result in closure of industries.

Sri. R. Kishore, Sr. Engineer (Electrical), Amara Raja Batteries Ltd., Tiruapti has stated that the increase of industrial tariff in the year 2013-14 by 24% has equalled the tariff of some states and has crossed the tariff of some other states. Now APSPDCL has proposed to further increase the tariff by 6%. This will increase the burden on the existing industries and the promotion of new industries will become bleak. Hence to safeguard the interests of consumers and to encourage the economy, it is requested to continue the existing tariff for the FY 2015-16.

Discoms Response: To ensure power to all and keeping in view the economic & social aspects, the licensee is proposing low level tariff (tariff less than the COS) to certain category of consumers, particularly low-end domestic consumers, agricultural consumers, cottage industries, public lighting, public drinking water schemes, etc., To achieve the above, it is necessitated to keep higher tariffs for certain class of consumers, particularly industrial, commercial, high-end domestic consumers, etc. Also, the Govt., of A.P is giving tariff subsidy to certain category of consumers as a social responsibility.

In the ARR and tariff proposals for retail supply business for FY2015-16, a marginal 6% hike on energy and demand charges are proposed on the tariffs of 2013-14. It is requested to note that there was no tariff increase for the FY2014-15.

Commission's View: The expressed difficulty is kept in view while fixing a reasonable tariff.

Follow kWh billing rather than kVAh billing:

- 118.** Sri. R. Kishore, Sr. Engineer (Electrical), Amara Raja Batteries Ltd., Tiruapti, and M/s Viom Networks Ltd., have stated that the kVAh billing was introduced by DISCOMs in the FY2011-12. While many state DISCOMs like TNEB, GSEB, KSEB, CSEB etc., are following kWh billing, APDISCOMs are following kVAh billing resulting in many issues during the billing. The open access energy and third party energy is billed in kWh by generators. Whereas, AP SPDCL is considering the kWh open access & third party energy as kVAh and the kWh units are deducted from the total kVAh consumption. Hence, the Commission is requested to look into this matter and direct the DISCOMs to propose only kWh Tariff. Further, the tariff orders of the APERC for the periods 2011-12, 2012-13 and 2013-14 providing for billing of energy by the DISCOMs on the basis of kVAh, instead of Kilo Watts Hour (kWh) is no longer res-integra, in view of the final common order of the High Court of Andhra Pradesh dated 16.12.2013 passed in W.P.No.4330 of 2012 and batch holding that the tariff orders are invalid and accordingly are set aside.

Discoms Response: kVAh-based billing was introduced during FY 2011-12 Tariff Order. While approving the kVAh based billing, the Commission has expressed a view as stated below:

“The main object of kVAh billing is to drive the consumer to reach unity power factor, thereby resulting in less consumer demand and less demand charges of the consumer. Indirectly this will lead to reduced system demand, reduced line losses, improved system voltages, improved transmission capacity and improves system stability. It is a win-win situation for DISCOM, AP Transco and consumers.”

After 3 ½ year of introduction of kVAh billing, all the above expectations are met and the licensee is of the view that “there is no need to return back to kWh billing”.

Commission’s View: As the matter is *sub-judice* in the pending writ appeals on the subject, no view is expressed as a matter of propriety.

Remove the ToD tariff for HT Cat-I

119. Sri. R. Kishore, Sr. Engineer (Electrical), Amara Raja Batteries Ltd., Tirupati has stated that the DISCOMs are already collecting additionally ₹1.0/kWh during the time of the day period. Now with the increase of 6% on the existing tariff, the ToD tariff has also increased which is a burden for consumers. The ToD tariff is meant for loads with flexible usage pattern, so that the usage can be shifted to other time of the day from the peak demand time on the system as a whole to balance the daily load curve. The commercial loads mainly consist of lighting, decorative lighting, ACs etc., whereas the HT-1 industrial loads mainly consist of machinery and are expected to operate on continuous basis throughout the day. Having known this fact that the loads cannot be shifted, the levy of ToD tariff by DISCOMs to HT-I category industries is irrational and it is undue advantage for DISCOMs. Hence it is requested to remove the ToD tariff for HT Cat-I.

Discoms Response: ToD tariff is mainly to reduce the overall peak demand in the system and also to ensure a certain amount of grid discipline.

Short-term power purchase price varies significantly depending on the time of the day, season, etc. Keeping in view the above the Licensee has proposed

a ToD tariff to recover partial additional charges over and above the tariff applicable to meet the expensive power.

Commission's View: The objection and the response are kept in view while examining the issue.

Government and private water supply schemes tariffs should be same:

120. Sri. Ch. Babu Rao, Secretariat member, CPI (M) and Sri. Kandharapu Murali have stated that there is no rationale in fixing ₹4.00 per unit for private people (Sujala Scheme) and fixing a tariff of ₹6.22 per unit for water supply by the Municipal Corporation.

Discoms Response: This is under the purview of the Commission.

Commission's View: As the proposal is intended to facilitate supply of drinking water at nominal price to the public at large, the proposal of the licensees is accepted.

Separate category for function halls:

121. Sri. M. Venkata Reddy, State Secretary, MCPI (U) has stated that power should be supplied through separate category under HT category to function halls.

Commission's View: The feasibility of the same will be examined in due course.

CPWS Schemes should be put under LT category (VI-B):

122. Sri. M. Krishna Mohan, Deputy CEO, Zilla Parishad, Krishna District has stated that CPWS Schemes are being managed by Zilla Parishads. These schemes are meant to supply drinking water to more than one Panchayat. There is a separate category provided under HT for such schemes. But, LT Industrial tariff is being applied to these schemes resulting in huge bills which the Zilla Parishad is unable to pay. Hence, it is requested to apply LT category (VI-B) as extended to Gram Panchayat.

Discoms Response: This is under the purview of the Commission.

Commission's View: Henceforth all composite water supply schemes operated / managed by local bodies including Zilla Parishats and other government agencies shall be billed under LT-VI(B): PWS Schemes. In case of Zilla Parishats and other governmental agencies, the CWSS shall be billed at the tariff applicable for municipal corporations.

Request to introduce Load Factor Incentive:

123. Sri. Chandra Sekhar Reddy, Spinning Mills Association, *inter alia*, requested for load factor incentive to be re-introduced, not to levy TOD Charges, to give incentive to consumption in off peak period and the limit in 33 kV is to be increased to 15 MVA besides abolishing cross subsidy surcharge.

Discoms Response: This is under the purview of the Commission.

Commission's View: The licensees will be addressed to communicate their views on the suggestions, as they are significant and far reaching and as similar suggestions have been received from a good number of persons during public hearings, to enable the Commission to examine the issues.

Request for extending concessional tariff:

124. Sri. T. Narashimha Rao, Nayee Brahmin Sangham has requested that they may be extended concessions in their tariff or alternatively to be placed under domestic category. Further, he also requested that the hostels run by them with a service motive are to be kept either under category I or under category VII.

Discoms Response: This is under the purview of the Commission.

Commission's View: The request is kept in view while fixing a reasonable tariff for LT II (A) and LT II (B) in Non-domestic/Commercial category.

Methodology for cost of service model:

125. Sri. M.R. Prasad, Secretary General, A.P. Ferro Alloys Producers Association stated that the methodology employed for calculating Cost of Supply is not approved by the Commission but is based on the model developed by the supply companies. It is strongly urged that the Commission should issue directions and prescribe methodology for computing cost of supply and also furnish all the forms being part of ARR material.

Discoms Response: As per NTP, tariff should be linked with Average CoS only. Hence, no methodology is required for such computation. However, it is at the discretion of the Commission.

Commission's View: The suggestion will be examined in due course.

Commission to modify the clause VII power factor apparatus and capacitor surcharge for LT:

126. M/s. Viom Networks Ltd. has stated that in the previous order the Commission issued for capacitor installation to all consumers except LT Domestic. Taking this as an advantage, the DISCOMs are claiming by default 25% of monthly energy charges irrespective of measuring the Power Factor (PF) to increase their revenue especially by AP EPDCL for which we lodged many complaints at EROs, SAOs and even at consumer grievances, still the complaints are not addressed fully. We are Telecom Infra providers and our major load is Base Transive Station (it works on -18V DC source) which is common for all telecom sites and it is not an inductive load to impact the power factor and our other load is Air Conditioners which is an inductive load at only our indoor sites, it works on an average 8 to 12 hours per day, based on BTS heat load, at the Air conditioners sites our minimum contracted load is 10 kW which is covered by kVAh billing so we request the Commission to modify the guidelines on LPF or exclude telecom sites from the LPF category. Also, quality power is not being supplied by the DISCOMs for all their consumers even after collecting huge charges. The Commission is requested to review and modify the clause VII power factor apparatus and capacitor surcharge for LT in view of the above points.

Discoms Response : As per the Tariff Order 2013-14, Page No. 200 para (4), LT consumers except LT Cat-I Domestic not covered by kVAh billing are liable to pay surcharge @ 25% of the monthly bill amount, if found without capacitors or capacitor in damaged condition/defective or found ceased to function.

The licensee is not taking any advantage by claiming 25% of monthly charges by default irrespective of measuring the functioning of the capacitor. During the inspection, the inspecting officer checks the functioning of the capacitor and if found defective and then only the capacitor surcharge will be levied. If any violation found by the consumers, it can be brought to the notice of next level officer and got the bill rectified.

Commission's View: Nothing further need be added to what the licensee has stated.

Tariff hike should be within certain limits of CoS:

127. M/s. Viom Networks Ltd. has stated that the tariff has to be within 0.8 to 1.2 times of the cost of the supply and this level has to be reduced gradually.

DISCOMs projections for FY 2015-16: Power purchase cost at state level is projected to be at Rs.3.95/unit by APERC and Rs. 4.00/unit by AP SPDCL which is very low to the current LT II (B) tariff. In view of the above we are requesting the Commission to review and not to enhance the LT II-B domestic / commercial tariff for FY 2015-16.

Discoms Response: The average COS of the licensee is ₹5.19/unit for the FY2013-14 (including Anantapur & Kurnool) as per the Tariff Order FY2013-14. The licensee estimates its CoS for the FY 2015-16 as ₹5.92/unit.

The estimated CoS for LT Cat-II of the licensee for FY 2015-16 is ₹6.47/unit. The tariff proposed for LT II(B) is in between ₹7.03 to ₹9.68 / unit.

The tariff has to be designed on the COS which includes power purchase cost and network cost.

To ensure power to all, it is the responsibility of all to see that every citizen shall be provided with electricity. To achieve this, it is being necessitated to formulate various types of consumer categories and to fix up tariffs accordingly. In the course of tariff design, certain class of consumer categories are being classified as subsidizing categories whose tariffs will usually be more than the cost of service of a particular category and certain class of consumer categories are classified as subsidized categories whose tariffs are being less than the cost of service of a particular category.

In the state of Andhra Pradesh agriculture being the predominant activity with insufficient water resources needs a predominant share of available power. Keeping in view the purchasing capacity of farmers, the Govt., of A.P is extending tariff subsidy to the agricultural sector.

Majority of the public are being classified under BPL category in A.P. In order to provide power to all residents of the state, the low-end consumers are being cross subsidized in the tariff design and also the GoAP is extending tariff subsidy to certain extent.

In view of the above and in view of the social responsibilities, certain categories are being classified under cross subsidizing categories.

Commission's View: Proportionality between the cost of supply and the quantum of tariff is attempted to be maintained in fixing reasonable tariffs.

Inconsistency in billing patterns kWh / kVAh:

128. M/s. Viom Networks Ltd. has stated that it is observed that there is no consistency in the billing pattern by DISCOMs. They are continuously changing billing pattern by charging on kWh for few months and kVAh for few other months for the same service. Due to this inconsistency in billing pattern the billed units are overlapped at some services.

Discoms Response: Once the tri-vector meter is installed for the service with contracted load 10 kW or 15 kW as the case may be (and as per the tariff order), billing shall be done on kVAh basis only.

Commission's View: Nothing further to add to what the licensee stated.

Request for reduction of Railway traction tariff:

129. Sri. M.K. Gupta, Chief Electrical Distribution Engineer, South Central Railway, Secunderabad has requested that the tariff under category HT-V- Railway Traction be reduced from the present level of ₹6.36 per KVAH also from the point of view of stipulated provisions of Electricity Act, 2003, National Tariff Policy and Article 287 (b) of the Constitution of India. Further, he also requested for providing reasonable rebate / incentive for prompt payment. In addition to the above, he also requested for giving impetus to electrification of railway network, a rebate of at least 10% of energy charges be allowed for a period of 5 years similar to railway traction tariff of Madhya Pradesh.

Discoms Response: Keeping in view the facts that there was no power tariff hike during FY2014-15 and that the input costs are rising at a much higher level, the licensee had to propose a marginal increase of 6% in the Demand charges and Energy charges of all categories except for Domestic consumers up to 100 units consumption and LT-V (Agriculture).

Clause 8.3.2 of National Tariff Policy states that *“For achieving the objective that the tariff progressively reflects the cost of supply of electricity, the SERC would notify roadmap within six months with a target that latest by the end of year 2010-2011 tariffs are within ±20 % of the average cost of supply.”*

The licensee has put all efforts while proposing tariffs to be within $\pm 20\%$ of the average cost of supply. The proposed tariff for Railways i.e., ₹6.74 p.u is well within the limits of Plus or Minus 20% of average CoS of ₹6.17 p.u.

Commission's View: The request is kept in view while fixing the relevant tariff.

Other Issues

Tariff to reflect average CoS of the category

130. Smt. Sujatha and Sri. P. Shiva Kumar and Sri Anil Reddy Vennam of The Federation of Telangana and Andhra Pradesh Chambers of Commerce and Industry (formerly known as FAPCCI) *inter-alia*, requested to approve tariffs within the plus or minus (\pm) 20% range of category-wise cost of supply of each consumer category and further to approve a road map for reduction of cross subsidies as mandated by the Electricity Act, 2003, tariff policy and as held in a catena of judgments detailed in the objections statement. They also requested to modify the time of day (ToD) tariff scheme and provide for rebate of 15% on the energy charges for consumption in the off-peak periods. They further requested that for approving load factor rebate at a level approved by the Commission upto 31st July, 2010 to incentivize to the industries. They further requested for approving the maximum ceiling at or below ₹5.06/unit as against ₹6.10/unit projected by the petitioner for purchase of power for bilateral or market sources. They also requested for disallowing PGCIL and ULDC charges in view of the CERC tariff regulation for 2014-19 control period besides disallowing the supply margin as it is extraneous to the tariff regulation.

Commission's View: The request will be kept in view while examining the relevant issues.

Burden of Cross Subsidy Surcharge on industry and Cost of Service:

131. Sri. R.Srinivasa Rao, representing M/s Synergies Castings Ltd. claimed that Cross Subsidy Surcharge has become further burden on industries. Lifting of ToD charges is requested for continuous process industries like them.

i. National Tariff Policy - Tariffs to be differentiated as per section 62(3):

Sri. Danda Prasad, A.P. Spinning Mills Association stated that it was noted with disappointment that the Discoms urged the Commission in the ARR as under:

"In case the Commission determines the tariff based on Category-wise CoS, then

the licensee humbly requests the Commission not to determine the tariffs based on CoS plus or minus 20% limit as the Clause 8.3.2 of the National Tariff Policy (NTP) refers to average CoS not category-wise CoS". The import of the above urging seems to be express and implied prayers as under:-

- a) Departure from the embedded CoS method for calculating CoS for that category.
 - b) That the proposals made by the Licensees are not commensurate with the "CoS plus minus 20%" limit. This has a major bearing on the issue of cross subsidy which the textile industry have been agitating over the last several years.
 - c) Proposal to the Commission to determine tariff based on the average CoS and not category-wise CoS. The commission may reject these urgings implied or otherwise. The National Tariff Policy has mandated that no category of consumers shall have a tariff more than CoS plus minus 20% latest by the year 2010-11. In fact, Section 62 (2) provides for the factors on which tariffs of various consumers can be differentiated. Some of these factors, like, load factor, power factor, voltage, total electricity consumption during any specified period or time or geographical position also affects the cost of supply to the consumers. Due weightage can be given in the tariff to these factors to differentiate the tariffs. In fact, it is also mandated that the cross subsidies may gradually be reduced but should not be increased for a category of subsidizing consumer.
- ii. The Commission may take cognizance of (in the light of several judgments) the following tests for deciding the tariff in compliance of the Electricity Act, 2003, and the Tariff Policy and regulations of the Commission be considered.
- a) The cost of service for each category of consumer will have to be worked out separately.
 - b) The cross subsidy should be going down from year to year.
 - c) Tariffs for different categories of consumers are to be differentiated only according to the factors given in Section 62 (3).
 - d) There should be no tariff shock to any category of consumer.

Discoms Response: The licensee has calculated CoS based on embedded CoS method only. However, the Commission is fixing the tariff based on average cost of supply as per the clause 8.3.2 of National Tariff Policy. The clause 8.3.2 of National Tariff Policy reads as follows:

“8.3.2 For achieving the objective that the tariff progressively reflects the cost of supply of electricity, the SERC would notify roadmap within six months with a target that latest by the end of year 2010-2011 tariffs are within $\pm 20\%$ of the average cost of supply. The road map would also have intermediate milestones, based on the approach of a gradual reduction in cross subsidy”.

The licensee has put all efforts while proposing tariffs to be within $\pm 20\%$ of the average cost of supply wherever it is possible.

Commission’s View: The statutory and legal parameters guided the fixation of tariffs.

To fix Poultry Tariff as per G.O.Ms.No.49, Dt.09-12-2013:

132. Dr. V. Sundar Naidu, President, Andhra Pradesh Poultry Federation has informed the Commission that though the present cost of power is ₹5.63, it is working out to ₹6.42 per unit including electricity charges, customer charges, minimum charges and charges at ₹3.50 kVA and excise duty on electricity etc., if the power is supplied at ₹3.88 per unit as requested by us and also as per G.O.Ms.No.49, dated 09.12.2013, in reality it may work out to ₹4.50 including the above additional charges, the subsidy amount may be ₹2.31 Cr. per month to the poultry sector. As such, we request the Commission to refer to the G.O as above and to arrange supply of electric power to the poultry sector in the state at the pooled cost as per the above G.O.

Commission’s View: The State Government may positively consider extending any permissible and possible support to the poultry industry, keeping in view, the earlier policy decision taken under G.O.Ms.No.49, dated 09.12.2013.

Re-categorization of educational institutions with Government aid:

133. Sri. G. Subrahmanyam, Andhra University and Sri. Raju, Bharatiya Vidyarthi and State Federation Committee have stated that they are presently paying under

HT category and requested to consider re-categorization of educational institutions running with the Government aid.

Discoms Response: As per the APERC tariff orders, the consumption of AU (5 Nos services) is being billed under HT-Category II “Others” which are not covered under HT category I, III to VII. 3 (Three) numbers, HT services are being billed under HT category VI related to residential colony consumption. Separate category for educational institutions under HT supply falls under the purview of APERC.

Commission’s View: The views of the State Government and the licensees will be obtained for further examination of the request.

Not to hike tariff for domestic category:

134. (a) Sri.P.Ranga Rao & Sri. Y. Suresh, Social Activist, Kakinada have requested not to hike tariff up to 200 units domestic consumers.

(b) Sri.Sk.Khajavali has requested that upto 400 units, the same tariff should be maintained.

Discoms Response: This is under the purview of the Commission.

Commission’s View: A reasonable decision is taken on merits.

Request for free/separate tariff for nurseries:

135. Sri. Viresh Babu, Secretary, Nursery Association requested to extend free power to nursery & Sri. S. Murali has stated that there is abnormal increase in tariff of FY 2013-14 to nurseries and hence separate tariff should be extended for them.

Discoms Response: Nurseries are engaged in commercial / business activity and hence they cannot be extended power tariff on par with agriculture. However, they are extended subsidized tariffs under LT-V @ ₹3.70/unit.

Commission’s View: The tariff is stated to be already subsidized.

Minimum energy charges be waived off:

136. M/s. ITC Ltd., stated that Discom is levying minimum demand charges on 80% of the contracted demand. Apart from minimum demand charges, the Discom is also levying minimum energy charges of 50 units per kVA per month on billing demand. He requested to remove levying of minimum energy charges. He also requested to waive the minimum energy charges in case of open access

consumers availing power from renewable energy sources.

Discoms Response: The Tariff mainly envisages recovery of fixed and variable cost of service for supply of energy. In case of bulk consumers, the distribution system is to be dedicatedly reserved for supply to the extent of contracted demand with the Licensee irrespective of the ability and availability of outsourcing power by the consumer.

The demand charges and minimum energy charges are levied to recover the fixed charges part of Generation, Transmission and Distribution. Like any other consumers, who pay for the demand and minimum charges, the Open Access consumers are also bound to pay fixed cost of Generation, Transmission and Distribution on their contracted capacity.

Commission's View: The licensee's response is self-explanatory.

Levy of minimum Demand charges on 80% of contracted capacity:

137. M/s. ITC Ltd., requested that for open access consumers, the demand charges are to be collected based on the actual recorded demand from Grid/Distribution Licensee.

Discoms Response: For laying of the network, equipment and to maintain load curve in better way the demand charges are levied. Further, in other states like Tamilnadu and Madhya Pradesh, the minimum billing demand is 90%; billing demand is very low in our state when compared with other states. The Licensees are incurring Distribution Network expenditure whether the consumer utilizes the CMD or not.

Commission's View: Nothing to add to what the licensees have stated.

Request to introduce LF incentive - Not to increase tariff:

138. Sri. P. Naredra Chowdary, Managing Director, The Andhra Sugars Ltd., has stated that they are objecting to the increase of demand charges, increase of energy charges, increase of ToD tariff and to introduce load factor based tariff incentive for Chlor-Alkali like Ferro Alloys Industries of HT-I category.

Discoms Response: The Discom is not envisaging any incentives based on load factor.

Commission's View: The objections are kept in view.

Temples in rural areas are to be given least tariff:

139. Sri. Jalagam Kumara Swamy, Bharatiya Kisan Sangh, Sri. Yalla Venkatanandam, Sri. Y. Suryanarayana and Sri Ch. Babu Rao, CPI (M) have stated that temples in rural areas are to be treated separately with less tariff.

Discoms Response: The issue is under purview of the Commission.

Commission's View: The suggestion received positive consideration.

Tariff to be hiked only above 100 units:

140. Sri.J.T.Rama Rao, representing Northern Andhra political JAC requested that less than 100 units are not to be imposed with tariff hike. Above 100 units consumers may be imposed with tariff hike.

Discoms Response: The issue is under purview of the Commission.

Commission's View: The same is the proposal of the licensees themselves.

Tariff proposal is on estimates and not on actuals:

141. Sri. M.V.N.R. Patnaik, District Secretary, MCPI (U) stated that proposed tariff hike is done as per estimated charges but not actual.

Discoms Response: The ARR / tariff proposals are prepared based on audited annual accounts of APEPDCL. The projections are made following trend method based on past historical data.

Commission's view: The proposed tariff is examined with reference to verifiable data.

Change of categories sought:

142. Sri. Vipul Agarwal, Senior Manager, HPCL, Visakhapatnam requested to consider them under industrial category instead of commercial category.

Discoms Response: As per the Tariff Order the HT Cat-I applies for supply to all H.T. consumers using electricity for industrial purpose. Industrial purpose shall mean manufacturing, processing and/or preserving goods for sale, but shall not include shops, Business Houses, Offices, Public Buildings, Hospitals, Hotels, Hostels, Choultries, Restaurants, Clubs, Theatres, Cinemas, Railway Stations, Printing Presses, Photo Studios, Research & Development Institutions, Bus Stations, Bus Depots and other similar premises (The

enumeration above is illustrative but not exhaustive) not withstanding any manufacturing, processing or preserving goods for sale.

And the HT Cat-II is applicable to all H.T. Consumers other than those covered under HT Categories I and III to VIII.

Regarding re-categorization of HPCL, the matter is sub-judice at Hon'ble High Court.

Commission's view: No expression of view as the matter is sub-judice.

Request for telescopic method:

143. Sri. Kondapalli Vasudeva Rao, Editor, Electronics, Electrical & General Information, Sri. S.S.N. Murthy, General Secretary, CAPCO and Sri. A. Rajendra Reddy have stated that implementing non-telescopic method in CC bills is incorrect.

Discoms Response: At present, Telescopic method is followed. However LT Domestic category is divided between consumer's less than 200 units consumption and consumers more than 200 units consumption. Different slab rates are applied for these two sub-categories.

Commission's view: The perception is noted.

Energy conservation and tariff:

144. Sri. K.Ramakrishnam Raju, Former Electrical Safety Officer of Gujarat Army Stations, Visakhapatnam stated that tariff should be linked with energy conservation by consumers.

Discoms Response: The issue is under purview of the Commission.

Commission's view: The request will be examined in due course.

Free power to extend to SC ST colonies upto 50 units:

145. Sri. K. Venugopal Reddy, President, Chittoor District Congress Committee requested to continue free power upto 50 units to SC,ST colony consumers under SC,ST sub-plan provided by the Congress Party. He further stated that the prices of crude oil and coal are falling down and hence requested not to increase the power tariffs.

Sri. Kamidi Satya Srinivas stated that 6 months back it was announced by earlier Government that SC, ST consumers need not pay bills but now they are insisting on payment.

Discoms Response: From 01.04.2013, free power is extended to SC & ST consumers living in SC & ST colonies (consumers less than 50 units). Details of subsidy availed by SC & ST consumers are as follows:

SC consumers- ₹43 Crs.

ST consumers- ₹28 Crs.

Commission's view: Nothing further to add.

Request for free power to SC & ST hostels

146. Sri. T. Raja, SFI has requested that free power to be extended to SC & ST hostels

Discoms Response: This is under the purview of the Government of Andhra Pradesh.

Commission's view: A policy decision has to be taken by the State.

The first slab of Domestic category tariff to extend upto 200 units:

147. Sri.Ch.Venugopal, BSP has stated that Discoms should put efforts to reduce distribution losses and to arrest theft of power. If these two issues are attended, there is no need to hike power tariff. He further suggested to enhance the first slab limit of 0-50 units to 0-200 units.

Discoms Response: The Discom is putting all round efforts to reduce distribution losses and arresting theft of energy by conducting raides during nights also. Because of these efforts, the distribution losses have come down to a single digit i.e., around 9%. The issue of enhancing the first slab to 0-200 units is in the purview of the Commission.

Commission's View: The Licensees have achieved the loss trajectory determined in the MYT tariff order of FY2014-15 to FY2018-19 and the efforts of the Licensees are appreciated. A just and reasonable decision is being arrived at while fixing the tariffs for domestic consumers.

Tariff for Dhobi Ghats and Cottage industries:

148. Sri. Ch. Babu Rao, CPI (M) has stated that there is need to reduce tariff to Dhobi Ghats and Cottage Industries.

Sri K. Chengalrayulu, Tirupati requested to protect the interest of small, medium and cottage industries, so that they are not closed down.

Discoms Response: This is under the purview of the Commission.

Commission's View: The suggestion is positively considered, while fixing a reasonable tariff.

Request to increase tariff:

149. Sri. D. Anand Kumar, Eastern Discom Power Engineers Association stated that the increase in the tariff is for development of EPDCL and also to save the employees.

Commission's View: The interests of the licensees and their employees are safeguarded in the best possible manner in fixing the tariff.

Telescopic tariff - Concern:

150. Sri. Kondapalli Vasudeva Rao stated that when the consumption is 200 units, the consumers are required to pay certain charges. Whereas, when the consumption exceeds 200 units even by single unit, the slab rate would change. This is leading to manipulation by the meter readers and as such, Discoms are losing heavily. He also wanted to enhance the tariff of ₹1.45 ps per unit.

Commission's View: The licensees shall prevent any such malpractices by effective monitoring and checks.

Recovery of excess payments from AP Genco:

151. Sri. M. Venugopal Rao requested the Commission to adjust the difference between the tariff already collected by AP Genco from Discoms and the tariff approved for specified years by the Commission to the extent of ₹2081 Cr. vide orders dated 31.05.2014.

Commission's View: The issue will be examined while taking up the true up exercise.

Abnormal variation in GCV of imported coal:

152. Sri. M. Venugopala Rao, Senior Journalist and Convenor, Centre for Power Studies, Hyderabad, stated that the Distribution licensees are directed by the Commission to take up the issue of variation in GCV of Central Generating Stations (CGS) with NTPC and report compliance. The reply of Discoms to this

query is not satisfactory. He requested the Commission to permit or reject fully or partly, the cost of power purchase, station-wise or unit-wise based on submission or non-submission of required particulars relating thereto and after examining the same thoroughly.

Commission's View: Commission reiterates its earlier direction on variation in GCV of imported coal. The Discoms are directed to submit a detailed report in this regard before 31.05.2015.

Purchase of peak and off peak power:

153. Sri. M. Thimma Reddy stated that Discoms should try to purchase peak and off peak power rather than round the clock power (RTC).

Commission's View: The licensees may consider the suggestion.

Balance Sheet to be a part of ARR:

154. Sri. P. Shiva Kumar, A.P. Spinning Mills Association requested that Balance Sheet should be part of ARR.

Commission's View: The Licensees will be well advised to act on the suggestion.

Review of Regulations by Commission:

155. Sri. P.V. Subba Reddy, Mothers Universal Services Trust has requested that GTCS and APERC Regulations have to be reviewed.

Commission's View: Yes. The Commission proposes to undertake such review soon.

Load shedding - quality of power to agriculture consumers:

156. Sri. N. Sreekumar, Prayas Energy Group requested that

- The tariff for BPL consumers should be reduced.
- Even though free agricultural supply is being given, because of quality power not being supplied, the farmers are incurring ₹1 to ₹.2 per unit towards repairs compared to the canal irrigated farmers.
- Peak power planning should be part of load forecast.
- Load shedding to be done through public consultancy process.

Commission's View: The licensees may keep the well-meaning suggestions in view.

Surcharge to be reduced:

157. Sri. M. Krishna Murthy, S.A.O. (Retd.) has stated that the delayed payment surcharge of ₹25/- being levied is very high and the same needs to be reduced.

Commission's View: The suggestion is noted.

General Objections

Details of agricultural service are being incorporated in the domestic bills:

158. Sri. G.V. Jayachandra Chowdary, Sri. R. Kesavulu Naidu, Sri. N. Muni Ratnam Reddy, Sri. P. Subrahmanyam, Sri. D. Narasimhulu Naidu, Sri. K. Venkatrama Reddy, Sri. P. Ramachandra, Sri. H. S. Asharoor, Sri. Kakarla Guruswamy Naidu; Sri. K. Viswa Prakash Naidu, Sri. S. Chinnaswami Reddy and Smt. P. Bharathi, all from Chittoor District have stated that the bills relating to agricultural services should be separated from domestic services.

Discoms Response: Each agricultural service is being given a bill once in six months. For the benefit of consumers the details of agricultural service is being incorporated into their domestic bills. This facilitates the agricultural services to pay small amounts every month. Further, it is to be noted that even if the consumer doesn't pay on monthly basis, domestic power is not being disconnected.

Commission's View: The procedure adopted by the licensee is beneficial to the consumers by way of additional information with no adverse consequences.

Tariff books should be printed in Telugu:

159. Sri. K. Rajendra Reddy, Sri. Y. Siddaiah Naidu, Sri. Hari Kishore Kumar Reddy and Sri. Y. Suryanarayana have requested that the tariff books should be printed in Telugu as in the past, and copies of the same are to be given to all the objectors.

Discoms Response: Yours suggestions will be examined.

Commission's View: The Commission is happy to inform that the Tariff Order for FY2015-16 is also being published in Telugu.

Government should pay for the private lift irrigation schemes also:

160. Sri. Hari Kishore Kumar Reddy and others have stated that for the private lift irrigation schemes under HT-IV category, the electricity charges are to be paid

by the Government only in line with Government-owned Lift Irrigation Schemes under HT-IV category. The additional burden on this will be only one percent (1%). Earlier, these two were kept in different categories. Now they are in the same category.

DISCOMs Response: This is not under the purview of the DISCOMs.

Commission's View: The request is being forwarded to the State Government for its favorable consideration.

Discrimination in LT-III Industry category:

161. Sri. Hari Kishore Kumar Reddy and others have stated that HT means it should be above 75 HP, whereas in respect of rice mills upto 100 HP is treated as LT. This is discriminatory.

Discoms Response: This is under the purview of the Commission.

Commission's View: On the contention of the objector, it is to clarify that LT supply upto 100 HP is being provided not only to the rice mills but to all industrial consumers as per the Tariff Order for FY2013-14.

Services to be numbered:

162. Sri. Hari Kishore Kumar Reddy and others have stated that the Electricity Department is not numbering the transformers and agricultural services. As a result, the customer charges are not being collected from agricultural services.

Discoms Response: We will examine the suggestions / comments.

Commission's View: On receipt of any such suggestions / comments from the licensees, the issue will be examined on merits.

User charges should not be collected:

163. Sri. Goalla Hariprasad Chowdary, Sri. P. Babu Kiran and Sri. P. Gopala Naidu, all from Chittoor District have stated that the user charges should not be collected either from the rural areas or from the agricultural sector.

Discoms Response: No user charges are being collected. The charges that are being collected are only from the approved tariff order.

Commission's View: Does not arise.

Change of category - Transfer of security deposits to CC bills:

164. Sri. Syed Adam Saheb, President, Consumers' Development Committee, Guntur District has stated that after there is change in category from category II to category I, the additional security deposits are not being transferred to CC bills.

Discoms Response: As per the rules in vogue, the additional security deposit is to be transferred to CC bills.

Commission's View: No action is required in view of the clarification by the licensees.

Tariff should not be increased every year:

165. Smt. P. Bharathi, Chittoor District has pointed out that the information regarding reducing the tariff by controlling the expenses is not available to the consumers, instead it is being increased every year.

Discoms Response: The details of income and expenditure in a year are available on our website. The functioning of the DISCOM is guided by the regulations of the Commission, Tariff Orders and other orders. Further, the functioning of DISCOM is also regulated by the Companies Act 1956. Every year auditing is also being done and hence the functioning of the DISCOM is transparent.

Commission's View: The response by the licensee is self-explanatory.

Billing in villages once in two months:

166. Sri. B. Dharma Reddy has stated that the billing should be done once in two months in villages.

Discoms Response: Your suggestion will be examined.

Commission's View: Let the licensees decide on merits.

Recovery of dues from Government Offices:

167. Er. A. Punna Rao, Convenor, Praja Energy Audit Cell, Vijayawda has stated that ₹93 Cr. is due from the Govt. offices in the district of Krishna and may be more than ₹1000 Cr. is due from the Govt. offices in the state and suggested that the DISCOMs should change over to prepaid mode.

Discoms Response: ₹328.34 Cr. is due from the Govt. departments (as on Sep, 2014) in the licensee area. All efforts are being put to recover the above arrears duly contacting offices at all levels.

Commission's View: The State Government is being addressed to take necessary action for prompt payment of consumption and other charges including arrears by all the departments, agencies and bodies under the control of the State Government to safeguard the economic viability of the power sector.

DISCOMs audit by the C & AG:

168. Sri. M. Venkaiah, Secretary, Tirumala Tirupati Lodge & Hotel Owners Association, Tirupati has stated that the proposal for increase in tariff by DISCOMS is artificial. In this connection, it is essential to note that the erstwhile Government in the State of Delhi, which came to power again has reduced the tariff by 50% and ordered an audit of the DISCOMs to find out the correctness or otherwise of revenue and expenditure of the DISCOMs. It is therefore, necessary that the learned Commission should contemplate issuing orders for audit of the DISCOMs by the C&AG as is being done in State of Delhi and until such time, be pleased to direct that the present proposal to increase the rate be held in abeyance.

Discoms Response: The Annual Accounts of SPDCL are audited regularly and copies of the same are submitted to APERC and placed in website.

Commission's View: The Commission will monitor the compliance with the requirements of periodical audit of the accounts of the licensees in accordance with the prescribed procedure.

Restriction on usage of power by advertising Hoardings:

169. Sri. P. Veerababu, CPI has requested that permission should not be given to hoardings and advertisements during summer.

Discoms Response: The Government of A.P is planning to provide power for all consumers under the programme "Power for All" and no shortage of power is envisaged.

Commission's view: Nothing to add to what the licensees have stated.

CHAPTER- IV SALES VOLUME FOR FY2015-16

Introduction

170. In this chapter, the Commission has examined the sales forecast/estimates made by licensees in their respective ARR/FPT filings for FY2015-16 to determine the sales for each consumer category during FY2015-16. The Commission has examined all the stakeholders' views/objections/suggestions given in writing and during public hearings relating to sales forecast/estimates together with licensees' responses thereon while determining the sales for FY2015-16.

Sales Forecast for FY2015-16

171. The Licensees have forecast/estimated the sales volumes (in energy units) to different consumer categories at 50486 MU comprising of 33691 MU and 16795 MU in supply areas of SPDCL and EPDCL respectively during FY2015-16. This sales forecast/estimate is based on trend/end use method with some adjustments to incorporate the impact of external factors which cannot be captured by the trend/end use method¹¹. For some consumer categories¹², the licensees have used specific procedures to estimate/forecast the sales for FY2015-16 as the trend method cannot be used for estimating the sales to these consumer categories. The details of sales volume forecast/estimated by licensees to different consumer categories during FY2015-16 are given in the table below.

¹¹ For example, the impact of pending applications for new loads and new developments in terms of industrial corridors etc. cannot be captured by the trend and thus some sort of upward revision in growth rate observed based on historical information appears to be imminent for any forecast to be realistic.

¹² For some consumer categories, the trend/end use method has limited use; for example LT-V: Agricultural consumers are not metered and thus aggregation of actual sale is not possible and trend/end use method is not normally employed in sales forecast and hence some sort of estimation is necessary based on sampling procedures. Similarly, the consumption by HT-IV: LIS and CWSS (Agriculture) consumer category consist of a few large capacity consumers and the consumption/sale estimate is to be done in discrete manner taking into account the upcoming projects. In case of Rural Electric Cooperative Societies (RESCOs) which purchase electricity from Licensees based on end use of the consumers in their supply areas, the forecast cannot be undertaken at aggregate level by licensees for RESCOs.

Sales Forecast for FY2015-16(MU)

Consumer Category	Forecast for FY2015-16		
	SPDCL	EPDCL	TOTAL
LT-I: Domestic	6776.73	4325.65	11102.38
LT-II: Non-Domestic	1442.33	739.57	2181.90
LT-III: Industry	1377.22	853.04	2230.26
LT-IV: Cottage Industries	33.52	1.82	35.34
LT-V: Agriculture	8829.57	1949.63	10779.20
LT-VI: Street Lighting	540.52	233.90	774.42
LT-VII: General	80.93	45.92	126.85
LT-VIII: Temporary	1.04	0.74	1.78
HT-I: Industry	10309.10	6600.25	16909.35
HT-II: Others	674.33	654.87	1329.20
HT-III: Aviation	72.09	15.14	87.23
HT-IV: Lift Irrigation	2248.38	320.25	2568.63
HT-V: Railway Traction	830.02	732.54	1562.56
HT-VI: Townships	46.50	34.36	80.86
HT-VII: Green Power	0.00	0.00	0.00
HT-VIII: Temporary	16.62	0.00	16.62
HT: RESCOs	411.66	287.40	699.06
Total	33690.56	16795.08	50485.64

Commission's Analysis on Sales Volumes

172. The sales volume forecast/estimated by licensees is substantially higher by 56.12% compared with 32337 MU sales volume approved in Tariff order for FY2013-14 and by 67.48% higher compared with 30144 MU actual sales as reported by licensees for FY2013-14. A noticeable point in this data, as pointed out by many stakeholders, is that the actual sales volume during FY2013-14 is less than the sales volume approved by the Commission in the Tariff Order for FY2013-14¹³. The sales volume approved in the Tariff Order for FY2013-14 and actual sales for FY2013-14 as reported in ARR/Tariff filings for FY2015-16 are

¹³ The latest Tariff Order that has been issued by the erstwhile Electricity Regulatory Commission for undivided Andhra Pradesh State.

given in the table below;

Sales Volume Approved and Actuals for FY2013-14(MU)

Consumer Category	Approved in T.O for FY2013-14			Actuals for FY2013-14		
	SPDCL	EPDCL	TOTAL	SPDCL	EPDCL	TOTAL
LT-I: Domestic	4914.58	3680.89	8595.47	4428.14	3434.58	7862.72
LT-II: Non-Domestic	1222.15	838.81	2060.96	977.02	647.41	1624.43
LT-III: Industry	941.70	530.39	1472.09	866.11	494.51	1360.62
LT-IV: Cottage Industries	30.27	2.29	32.56	21.58	1.82	23.40
LT-V: Agriculture	4481.59	1714.80	6196.39	5513.46	1752.45	7265.91
LT-VI: Street Lighting	436.99	313.12	750.11	327.53	236.10	563.63
LT-VII: General	55.01	43.19	98.20	47.13	37.22	84.35
LT-VIII: Temporary	1.77	0.88	2.65	0.96	0.65	1.61
HT-I: Industry	5269.46	4630.42	9899.88	4412.70	4060.22	8472.92
HT-II: Others	530.97	561.63	1092.60	446.79	496.26	943.05
HT-III: Aviation	1.02	1.00	2.02	8.56	14.34	22.90
HT-IV: Lift Irrigation	59.55	196.68	256.23	48.69	60.03	108.72
HT-V: Railway Traction	641.37	604.63	1246.00	646.15	620.20	1266.35
HT-VI: Townships	49.03	34.76	83.79	22.16	27.95	50.11
HT-VII: Green Power	0.00	0.00	0.00	0.00	0.00	0.00
HT-VIII: Temporary	0.00	20.22	20.22	0.08	0.00	0.08
HT: RESCOs	287.80	239.94	527.74	257.40	235.30	492.70
Total	18923.26	13413.65	32336.91	18024.46	12119.04	30143.50

173. The licensees have also estimated the sales volumes for FY2014-15 which appears to be based on actual sales volume for the first half and estimated sales for second half of the year¹⁴. The forecast/estimated sale of 50486 MU for FY2015-16 is higher by 23% compared with the estimated sales volume for FY2014-15 at 40976 MU. Many objectors have commented/pointed out that this growth rate of sales is highly improbable and it should be at 10% for FY2015-16 over FY2014-15, notwithstanding the reasons put forward by licensees in support of sales forecast made by them¹⁵. The data on estimated sales volume for FY2014-15 and projected sales volume during FY2015-16 to different consumer categories as per ARR/FPT filings are given in the table below.

¹⁴ Since the financial year 2014-15 is not complete by the time the licensees have filed their ARR/FPT filings for FY2015-16, the estimate is necessary for the second half of the year.

¹⁵ The stakeholders' other concern is that the higher sales volume may lead to higher purchase cost and thus higher cost of service per unit, which may result in higher tariff than otherwise it would be.

Sales Volume for FY2014-15 and FY2015-16(MU)

Consumer Category	Estimated for FY2014-15			Forecast for FY2015-16		
	SPDCL	EPDCL	TOTAL	SPDCL	EPDCL	TOTAL
LT-I : Domestic	5716.48	3783.29	9499.77	6776.73	4325.65	11102.38
LT-II : Non-Domestic	1237.37	686.42	1923.79	1442.33	739.57	2181.9
LT-III: Industry	1201.12	640.43	1841.55	1377.22	853.04	2230.26
LT-IV: Cottage Industries	29.63	1.82	31.45	33.52	1.82	35.34
LT-V : Agriculture	8276.98	1892.84	10169.82	8829.57	1949.63	10779.2
LT-VI: Street Lighting	476.5	227.91	704.41	540.52	233.9	774.42
LT-VII: General	70.09	39.58	109.67	80.93	45.92	126.85
LT-VIII: Temporary	0.88	0.69	1.57	1.04	0.74	1.78
HT-I: Industry	7831.7	5106.63	12938.33	10309.1	6600.25	16909.35
HT-II: Others	594.43	534.44	1128.87	674.33	654.87	1329.2
HT-III: Aviation	28.12	14.32	42.44	72.09	15.14	87.23
HT-IV: Lift Irrigation	445.27	89.08	534.35	2248.38	320.25	2568.63
HT-V: Railway Traction	723.14	665.95	1389.09	830.02	732.54	1562.56
HT-VI: Townships	37.74	30.08	67.82	46.5	34.36	80.86
HT-VII: Green Power	0	0	0	0	0	0
HT-VIII: Temporary	7.71	0	7.71	16.62	0	16.62
HT: RESCOs	328.71	256.16	584.87	411.66	287.4	699.06
Total	27005.87	13969.64	40975.51	33690.56	16795.07	50485.63

General and Special Consumer Categories

174. The trend method followed by licensees is more appropriate for consumer categories consisting of large number of consumers with meters fixed for recording the consumption periodically. The sales forecast based on this historical information can be done based on trend line/end use method with adjustments as made/used by licensees and these consumer categories can be labelled as *General Consumer categories* from the sales forecast/estimation point of view. The *General Consumer categories* are all the consumer categories except LT-V: Agriculture, HT-IV: LIS and CWSS and HT-RESCO which are labelled as *special consumer categories* from the sales forecast/estimate point of view.

Sales Volumes to General Consumer Categories

175. The Commission, while recognizing the improved supply conditions in AP State post bifurcation, addition of supply area of Ananthapur and Kurnool districts to SPDCL and the 'Power for All' scheme implemented by licensees with the support from GoAP and Gol, opines that the sales forecast made by licensees for FY2015-16 is acceptable in broader terms; the higher sales volumes are the outcome of withering away of supply constraints during recent months.

176. It is also to be noted that for licensees, the Commission has approved the revised sales volume three years ago, i.e. for FY2012-13 and these sales volumes have not been revised for FY2013-14 while issuing the Tariff Order and no “Tariff Order” has been issued for FY2014-15¹⁶. Against this background, the sales volume projected for FY2015-16 appears to be on higher side as pointed out by many stakeholders. The same may be due to the supply constraints until recent months resulting in suppression of sales volume growth, especially for domestic and industrial consumers.
177. Without prejudice to the other aspects of licensees’ performance, the licensees are to be appreciated for their efforts in easing the supply constraints (that plagued the erstwhile AP state during recent past) with which the *general consumer categories* are able to receive supply throughout the day and *special consumer categories* as per schedules. The Commission after considering all the views/objections/suggestions of the stakeholders has approved the sales volumes as projected by licensees for all *general consumer categories*.

Sales Volumes to Special Consumer Categories

Sales Volume to LT-V: Agriculture

178. M/s. SPDCL has computed/estimated the sales volume to LT-V: Agriculture consumer category at 8829.57 MU during FY2015-16 in the following manner:
- a. Estimated/computed the sales volume for 12 months (October 2013 to September 2014) with method-I (DTR meter readings and HP capacity) at 5891.96 MU for its supply area excluding Ananthapur and Kurnool districts.
 - b. Consumption by 18829 rate paying consumers of this category (metered consumers) in all six districts of SPDCL supply area has been computed at 88.60MU (through aggregation) for the period October 2013 to September 2014.
 - c. Estimated/computed sales volume for Anantapur and Kurnool at 822.13 MU with the new method (DTR meter readings and population of DTRs) for the period June-September 2014.
 - d. Computed the consumption estimate at 6802.69 MU for FY2014-15 by

¹⁶ The orders/notifications relevant to this are issued by the erstwhile Electricity Regulatory Commission for undivided Andhra Pradesh State.

adding items a, b and c above. Taking into account 40,906 new service connections during FY2014-15 and 75,000 connections likely to be issued during FY2015-16, the consumption estimate is made at 8829.57 MU for FY2015-16.

179. M/s. EPDCL has computed/estimated the sales volume to LT-V: Agriculture consumer category at 1949.63 MU during FY2015-16 in the following manner:

a) Estimated/computed sales volume for first half of FY2014-15 following method-I (DTR meter readings and HP capacity) is at 996.01 MU.

b) Estimated/computed sales volume of 896.83 MU of second half of the FY2013-14 following method-I (DTR meter readings and HP capacity).

c) Considered the computations done for second half of FY2013-14 at b) above as applicable for second half of FY2014-15.

d) Computed the total sales volume at 1892 MU for FY2014-15 by adding a) and b) above with the consideration that volume for second half will remain constant.

e) Considering 9,000 new service connections likely to be issued during FY2015-16, sales volume of FY2014-15 has been increased by 3 per cent to arrive at 1949.63 MU for FY2015-16.

Measurement of Consumption by LT-V: Agriculture

180. The licensees effect the supply of electricity to LT-V Agricultural consumers, to most of them, without meters for recording the consumption by individual consumers. As a result, the supplies made to these consumers cannot be aggregated for the entire supply area of a licensee to arrive at total consumption of electricity by this category of consumers during any period. Accordingly, no systematic record of consumption for individual consumers as well as for the entire consumer category is available, that makes the forecast of sales volume based on historical data for this consumer category possible. Hence, some sort of estimation of consumption for this category of consumers has become a necessity. The Electricity Regulatory Commission for erstwhile AP State has endeavored to ensure the estimate by licensees in two methods in sequential manner during past 15 years.

181. Method-I: The Licensees have been directed to meter Distribution Transformers (DTRs) that serve only agricultural consumers to compute the consumption per HP (sample) during a specified period, to conduct agricultural pump set census to arrive at *inter alia* total number of pump sets and HP capacity and extrapolate the sample on total HP capacity as per census to arrive at consumption estimate for any specified period. The erstwhile Commission has relied on this method for approving the sales volume for a few years w.e.f.FY2003-04. The Commission, based on third party verification, has found the limitations of this method in the context of increasing HP capacity and unreliable DTR meter reading data provided by licensees for the consumption estimate. In view of this, the erstwhile Commission has approved Method-II as described below.
182. Method-II: The Licensees have been directed to meter the DTRs that serve only agricultural loads on sample basis, compute the consumption estimate for each capacity of DTR and extrapolate this sample information on total number of DTRs that serve only agricultural loads (possible in view of agricultural feeder separation in most of the areas). This method of estimate is not sensitive to total number of agricultural pump sets and their HP capacity as these factors have been captured on sample basis in the DTR meter readings and the extrapolation is on total number of DTRs; a robust method compared with method-I (as enumerated above) and is suggested by Indian Statistical Institute, Hyderabad (hence called as *ISI method* by stakeholders and licensees). This method has been approved in FY2009-10 and the licensees since then are expected to measure the consumption following this method. Both the licensees have, even after 4 years of finalization of method-II, have not implemented this method for consumption estimate except SPDCL stating that the consumption estimate for the two newly added districts, Ananthapur and Kurnool, is based on this new method¹⁷.
183. Pending implementation of method-II by the licensees, they have requested to approve sales volume based on method-I with appropriate modifications as carried out by licensees to account for new connections, revised total HP capacity and new supply areas i.e., Ananthapur and Kurnool districts.

¹⁷ The implementation of this method for the two districts in fact has been carried out by the erstwhile CPDCL in undivided Andhra Pradesh state.

184. The licensees have to measure the consumption by LT-V: Agricultural consumer category based on method-II since FY2009-10 as directed by the Commission. From the submission of licensees in their ARR/FPT filings for FY2015-16, it is observed that the licensees have made no serious efforts to measure the consumption by the target date. The licensees' statement on this issue appears evasive as observed from their submissions in ARR/FPT filings for FY2015-16. The licensees in their filings submitted that;

SPDCL: "The licensee has followed the agreed methodology for estimation of agricultural sales for the period H1 FY2014-15 and has been regular in submitting the required information to the Honorable Commission. For Ananthapur and Kurnool circles which are merged in APSPDCL, agricultural sales has been estimated based on ISI methodology and found that agricultural sales were more or less same as projections made by existing methodology. Hence, Licensee opine that agricultural sales projected with existing methodology will be same as ISI methodology and humbly requests Honorable Commission to approve as per projections made by the Licensee. To implement ISI methodology in the entire area of the licensee, Meters with MRI compatibility and with Remote Meter Reading feature were erected in all other six districts of the licensee area. The readings / MRI dumps will be available now onwards. And hence, the Licensee promises that they will submit the projections as per the proposed ISI methodology for the FY2015-16 onwards for the entire area of the licensee without any further delay'

"Data base of Agl DTRs for Eight Districts is being prepared and updated. Agl consumption estimate for Ananthapur and Kurnool Districts for CY is based on ISI Methodology. For remaining six Districts under ISI Methodology 3480 Nos of Sample Agricultural DTRs were provided with MRI compatible, 0.5 class accuracy Meters. Modems are being fixed for RMR (Remote Meter Reading) System. Agricultural consumption estimate for ensuing financial year will be submitted for all Eight Districts based on ISI Methodology."

EPDCL: "The Distribution Licensee humbly request the Hon'ble Commission to accept the actual agriculture sales filed by the Licensee based on the old methodology. The Licensee will adopt the ISI methodology to measure actual agriculture sales in the future."

185. The Licensees shall realize that the supplies they extend to agriculture are fully paid through cross subsidies in tariff determination, external subsidies by Government of Andhra Pradesh and to some extent by consumers despite having 'Nil' energy tariff for majority of the consumers. The Commission cannot give its tacit approval to the licensees' laxity in measuring the consumption as they get paid in full for their supplies to agriculture through cross subsidies (paid by other consumer categories) and external subsidies paid by Government of Andhra Pradesh on the advice of the Commission. The licensees are, therefore, directed to:

"report to the Commission by or before 30-06-2015, their readiness to measure agricultural consumption based on method-II within the

respective areas of their operation comprehensively and completely and thereafter deliver the progress report at the office of the Commission on measurement of agricultural consumption based on method-II before the last working day of every month for the previous month without fail until further orders of the Commission on this subject. The Commission may cause such reports made by the Licensees to be posted on the websites of the Commission and the Licensees for the information of all the stakeholders. In default of either licensee reporting such readiness by 30-06-2015, it shall submit its explanation and reasons for the default to enable the Commission to consider taking necessary corrective action for enforcement of this direction”.

Approval of Sales Volume of LT-V: Agriculture for FY2015-16

186. The estimates made by SPDCL are dependent on three methods, a) estimates based on method-I (DTR readings and HP Capacity), b) method-II (DTR meter readings and DTR population) and c) aggregation of data from metered consumers and as already stated, such estimates are not acceptable for the purpose of approving the sales volumes. The proposed release of new connections appears quite ambitious but may not be possibly achieved in view of limited potential for new releases in its supply area. Under these circumstances, the Commission is increasing the approved sales volume of 4481.59 MU for FY2013-14 by 10.21 per cent per year¹⁸ for the next two years also and then adding 2577 MU as consumption attributable to Anantapur and Kurnool districts¹⁹ to compute the total possible consumption at 8020 MU by LT-V:Agricultural consumers during FY2015-16.

187. The estimates made by EPDCL are straight forward but based on method-I (DTR meter readings and HP capacity); the licensee should have abandoned the method-I and adopted method-II (DTR meter readings and DTR population). Further, the release of new connections as mentioned by EPDCL does not appear feasible in view of the limited potential for new pump sets in its supply area. Under these circumstances, the Commission is increasing the approved sales

¹⁸ The average annual growth rate (AAGR) observed in this consumer category during FY2008-09 to FY2013-14.

¹⁹ Estimate based on method-II for these two districts.

volume of 1715 MU in Tariff Orders for FY2013-14 by 6.26 percent per year²⁰ for the next two years to compute possible consumption by LT-V: Agriculture consumer category during FY2015-16 at 1936 MU.

188. The sales volume approved for this LT-V: Agriculture consumer category in accordance with the above procedure is placed at 9956MU which is less by 823 MU compared with 10779 MU estimate made by licensees for FY2015-16. The details are given in the table below:

LT-V: Agricultural Consumption Estimate for FY2015-16(MU)

ITEM	SPDCL	EPDCL	TOTAL
1.Base consumption as per TO for FY2013-14	4481.59	1714.80	6196.39
2.Average Annual Growth Rate(AAGR)	10.21%	6.26%	
3.Projections for FY2015-16 by APERC	5443.47	1936.33	7379.80
4.Anantapur and Kurnool districts	2576.69	0.00	2576.69
5.APERC Approved Volume for FY2015-16(3+4)	8020.16	1936.33	9956.49
6.Estimate made by licensees for FY2015-16	8829.27	1949.63	10778.90
7.Difference (5-6)	-809.11	-13.30	-822.41

Sales volume to HT-IV: LIS and CWSS

189. The Licensees have forecast/estimated the sales volume to HT-IV:Lift Irrigation Schemes (LIS) and Composite Water Supply Schemes (CWSS at 2569MU) during FY2015-16. The forecast of sales volume by SPDCL is at 2249MU which is substantially higher (46 times) compared to 49MU being the actual sales recorded in this consumer category during FY2013-14(for which data is available). Similar situation is observed in case of EPDCL also; EPDCL has forecast sale of 320MU(5 times higher) during FY2015-16 as against 60MU of actual sales recorded during FY2013-14. The actual recorded sales in this category of consumers up to first half of FY2014-15 is given in the table below:

²⁰ The average annual growth rate (AAGR) observed in this category during FY2008-09 to FY2013-14

Recorded Sales in HT-IV: LIS and CWSS, FY2007-08 onwards (MU)

Financial Year	SPDCL	EPDCL	TOTAL
(1)	(2)	(3)	(4)
2007-08	27.71	19.10	46.81
2008-09	31.59	40.74	72.33
2009-10	29.37	69.19	98.56
2010-11	27.45	38.49	65.94
2011-12	61.31	89.70	151.01
2012-13	36.27	55.61	91.88
2013-14	48.69	60.03	108.72
2014-15*	59.09	38.12	97.21
<i>*First half of FY2014-15.</i>			

190. The higher sales volume forecast/estimate for this consumer category during FY2015-16 is largely based on expected completion of several lift irrigation schemes based on the information obtained by licensees from the concerned agencies/organizations. However, the realization of the sales forecast made by licensees is sensitive to a) timely completion of the projects, b) availability of water to the schemes and c) readiness of farmers to use water(i.e. mismatch between water availability and cropping season). Based on historical data and the other factors, the Commission is of the opinion that the sales forecast as filed by the licensees appears to be ambitious and may not be realized during FY2015-16.
191. The Commission considers that it is appropriate to fix the sales volume for FY2015-16 at the actual sales volume recorded during FY2013-14 with the consideration that any excess power purchase cost on account of additional sales beyond approved level would get compensated by additional revenue. The Commission has observed that the licensees could achieve the highest sales volume of 151.01 MU only (excluding Ananthapur & Kurnool Districts) during FY2011-12, which rules out any reasonable probability of the sales volume reaching the level of 2569 MU in FY2015-16 as anticipated by licensees. Accordingly the Commission is fixing the sales volume at 345.26 MU for SPDCL (48.69 MU for six districts, and 296.57 MU for Ananthapur and Kurnool districts as recorded during FY2013-14) against 2248.38 MU projected by SPDCL for

FY2015-16. In case of EPDCL, the sales volume for FY2015-16 has been fixed at 60.03 MU as recorded during FY2013-14.

192. The sales volume approved to HT-IV: LIS and CPWSS in accordance with the above procedure is placed at 405 MU which is less by 2163 MU compared with 2569 MU estimate made by the licensees for FY2015-16 and these details are given in the table below:

Sales volume to HT-IV: LIS and CWSS during FY2015-16 (MU)

Licensee	As per Filings	Approved by APERC	Difference
(1)	(2)	(3)	(4)
SPDCL	2248.38	345.26	-1903.12
EPDCL	320.24	60.03	-260.21
Total	2568.62	405.29	-2163.33

Sales Volumes to RESCOs

193. The RESCOs purchase electricity from licensees at the rate determined by the Commission based on ARR filings made by RESCOs with the Commission for every year. All the three RESCOs, Anakapalle, Cheepurupalli and Kuppam have filed the ARR with the Commission for FY2015-16 and the Commission has, after examination of the sales projected by Licensees and RESCOs in their respective ARR filings, determined the sales volume by Licensees to each RESCO separately for FY2015-16.
194. The Commission has approved the sales to RESCOs during FY2015-16 at 586.10MU which is less by 113 MU against 699.06 MU estimate made by licensees in their ARR/FPT filings. The licensees may have to take suitable measures, with prior information to the Commission, to monitor and control the energy draws by RESCOs so as to keep the drawals within the approved sales volumes during FY2015-16 as per this Order. The details of volume of sales as per filings and approval are given in the table below.

Sales Volume to RESCO during FY 2015-16 (MU)

RESCO Name	As per Filings		Approved by APERC
	of RESCOs	of Licensees	
(1)	(2)	(3)	(4)
Anakapalle	238.42	218.77	210.08
Chipurupalli	72.00	68.63	65.90
Kuppam	588.42	411.66	310.12
Total	898.84	699.06	586.10

Approval of Sales Volume for FY2015-16

195. The Commission has modified the sales volumes filed by licensees with regard to only *special consumer categories* by adopting widely accepted norms/procedures in the power sector. Accordingly, the Commission hereby approves the sales to different consumer categories at 47409 MU which is less by 3076 MU compared with 50486 MU filed by the licensees for FY2015-16. The Commission expects the Licensees to strictly adhere to the approved sales volumes especially for special consumer categories as ceiling limits for FY2015-16. The details of sales volumes approved by the Commission to different consumer categories for FY2015-16 are given in the table below:

Approved Sales Volumes for FY2015-16(MU)

Consumer Category	Approved by APERC		
	SPDCL	EPDCL	TOTAL
LT-I : Domestic	6776.73	4325.65	11102.38
LT-II : Non-Domestic	1442.33	739.57	2181.90
LT-III: Industry	1377.22	853.04	2230.26
LT-IV: Cottage Industries	33.52	1.82	35.34
LT-V : Agriculture	8020.16	1936.33	9956.49
LT-VI: Street Lighting	540.52	233.90	774.42
LT-VII: General	80.93	45.92	126.84
LT-VIII: Temporary	1.04	0.74	1.78
HT-I: Industry	10309.10	6600.25	16909.35
HT-II: Others	674.33	654.86	1329.19
HT-III: Aviation	72.09	15.13	87.22
HT-IV: Lift Irrigation	345.26	60.03	405.29
HT-V: Railway Traction	830.02	732.54	1562.56
HT-VI: Townships	46.50	34.36	80.86
HT-VII: Green Power	0.00	0.00	0.00
HT-VIII: Temporary	16.62	0.00	16.62
HT: RESCOs	310.13	275.98	586.10
Total	30876.49	16510.12	47386.60

Deviation from Approved Sales Volumes

196. The licensees are expected to adhere to the sales volumes approved in this Order during FY2015-16 in their own interest for meeting the standards of performance fixed for them by the Commission and protecting their finances. Deviation from approved sales volumes during the year may lead to variation in revenues from the approved level and the present regulatory framework offers no scope for truing up of such variation. The likely impact of variation in actual sales volume compared with sales volume approved in this Order will be as described below:

- a) Excess sales to subsidized consumer categories (for example agriculture and domestic consumer categories) may lead to under recovery of revenue as marginal cost of arranging such supplies will be higher than the marginal revenue from sale of energy as no additional cross subsidies and external subsidies are available for additional supplies.
- b) Excess sales to subsidizing consumer categories (for example Industry, Commercial, Railway Traction etc.) may lead to excess

recovery of revenue, as marginal cost of arranging such additional supplies will be less than the marginal revenue from sale of energy in most of the situations.

- c) If the excess sales to a consumer category are arranged from diversion of approved sales from others, which shall not happen under normal circumstances, there may be attendant problems in terms of non-availability of anticipated cross subsidy and external subsidy on sales on such diverted sales volumes.

197. In view of the above delicate situation on revenue front, the licensees would be better off by adhering to approved sales volumes or maximizing the sales beyond approved sales volume to subsidizing consumer categories and any other course of action will adversely affect their finances. The Commission directs that:

“The licensees shall, as far as possible, adhere to the sales volumes approved in this Order with an overall intent of avoiding under recovery of revenue. In case, there is any abnormal variation in actual sales compared with the approved sales, the licensees may approach the Commission for remedial measures in accordance with the applicable statutory and regulatory provisions. If the Commission finds any such deviation/variation/contravention to be unjustified, the Commission may be compelled to invoke the penal provisions provided by law”.

CHAPTER- V POWER PURCHASE REQUIREMENT FOR FY2015-16

Introduction

198. The Commission in this Chapter has examined the power purchase requirement filed by the licensees for FY2015-16, considered the stakeholders' views/objections/suggestions relating to losses and power purchase requirement and determined the power purchase requirement for each licensee separately for FY2015-16.

Filings for FY2015-16

199. The Licensees, while adopting the predetermined losses for FY2015-16 as per MYT orders on Transmission charges²¹ and Wheeling charges²², have computed the power purchase requirement for FY2015-16 (through grossing up the forecast sales volume with applicable loss levels) at 57644.42 MU comprising of 38702.31 MU by SPDCL and 18942.11 MU by EPDCL respectively for their areas of supply. The summary of sales, losses and power purchase requirement as per filings is given in the table below:

Filings: Sales, Losses and Power Purchase Requirement (MU)

Item	Sales	Losses	Power Purchase requirement
(1)	(2)	(3)	(4)
SPDCL	33690.56	5011.76	38702.31
EPDCL	16795.04	2147.06	18942.11
TOTAL	50485.60	7158.82	57644.42

Determination of Power Purchase Requirement for FY2015-16

200. The Commission while agreeing with the stakeholders view that there may be savings associated with energy conservation projects, has computed the power purchase requirement by grossing up of the approved sales volume with the losses approved for FY2018-19(in the MYT orders on Transmission and Distribution Business for each level i.e. LT, 11kV, 33kV, 132kV and above) and

²¹ APERC (62) *op.cit.*

²² APERC (64) *op.cit.*

PGCIL losses at 3.57 percent. The Commission has advanced the loss reduction target fixed for FY 2018-19 (terminal year of 3rd MYT control period FY2014-15 to FY2018-19) to the current tariff year after considering a) existing loss levels, b) MYT target loss levels for FY2015-16, c) views/objections/suggestions of various stakeholders, d) replacement of incandescent bulbs with LED bulbs, e) replacement of agricultural pump sets with solar pump sets and f) various other energy conservation and loss reduction measures undertaken by the licensees.

201. The loss reduction targets fixed for FY2015-16 and FY2018-19 as per the MYT tariff Orders relating to transmission and distribution businesses are given in the table below:

Sales, Losses and Power Purchase Requirement (MU)

Licensee	SPDCL		EPDCL	
	2015-16	2018-19	2015-16	2018-19
Transmission	4.02%	3.95%	4.02%	3.95%
33 kV	4.00%	3.80%	3.39%	3.39%
11 kV	4.08%	3.84%	4.22%	4.00%
LT	6.00%	5.00%	5.00%	4.99%

202. The relevant calculations in computing the power purchase requirement for each of the licensee are given in the table below:

Power Purchase Requirement Computations for FY2015-16

Power Purchase Requirement for FY 2015-16									
Power Purchase (in MU), Voltage Wise sales (in MU) and Voltage Wise Loss (%)									
DISCOM	Voltage	Loss	Voltage	Sales	LT	11kV	33kV	132kV	
EPDCL	L.T.	4.99%	L.T.	8136.89	8564.25	8921.09	9234.13	9613.88	
PGCL Inj Share	11kV	4.00%	11kV	2255.95	-	2349.95	2432.41	2532.44	
34.27%	33kV	3.39%	33kV	1752.83	-	-	1814.34	1888.95	
PGCL Inj (MU)	132kV	3.95%	132kV	4364.65	-	-	-	4544.14	
3983.93	PGCIL	3.57%	TOTAL	16510.33	8564.25	11271.04	13480.88	18579.41	
					Loss up to said voltage	4.99%	7.79%	9.90%	11.14%
							D. Loss(MU)	1335.20	
							T. Loss(MU)	733.89	
							PGCIL Loss(MU)	142.23	
					Total Loss(MU) & % Loss including PGCIL		2211.31	11.81%	
					Total Power Purchase Requirement (MU)		18721.64		
DISCOM	Voltage	Loss	Voltage	Sales	LT	11kV	33kV	132kV	
SPDCL	L.T.	5.00%	L.T.	18272.45	19234.15	20002.24	20792.35	21647.42	
PGCL Inj Share	11kV	3.84%	11kV	3157.72	-	3283.81	3413.53	3553.91	
65.73%	33kV	3.80%	33kV	4720.42	-	-	4906.88	5108.67	
PGCL Inj (MU)	132kV	3.95%	132kV	4725.92	-	-	-	4920.27	
7641.19	PGCIL	3.57%	TOTAL	30876.50	19234.15	23286.05	29112.76	35230.27	
					Loss up to said voltage	5.00%	7.97%	10.17%	12.36%
							D. Loss(MU)	2962.18	
							T. Loss(MU)	1391.60	
							PGCIL Loss(MU)	272.79	
					Total Loss(MU) & % Loss including PGCIL		4626.56	13.03%	
					Total Power Purchase Requirement (MU)		35503.07		
DISCOM	Voltage	Loss	Voltage	Sales	LT	11kV	33kV	132kV	
All DISCOMs	L.T.	5.00%	L.T.	26409.34	27798.40	28923.33	30026.48	31261.30	
PGCL Inj Share	11kV	3.91%	11kV	5413.67	-	5633.76	5845.94	6086.35	
100%	33kV	3.69%	33kV	6473.25	-	-	6721.22	6997.63	
PGCL Inj (MU)	132kV	3.95%	132kV	9090.57	-	-	-	9464.41	
11625.12	PGCIL	3.57%	TOTAL	47386.83	27798.40	34557.10	42593.64	53809.69	
					Loss up to said voltage	5.00%	7.91%	10.09%	11.94%
							D. Loss(MU)	4297.38	
							T. Loss(MU)	2125.48	
							PGCIL Loss(MU)	415.02	
					Total Loss(MU) & % Loss including PGCIL		6837.88	12.61%	
					Total Power Purchase Requirement (MU)		54224.70		

203. As a result of advancement of reduction in losses fixed for FY2018-19 to FY2015-16, the power purchase requirement got reduced by about 426 MU for FY2015-16. The power purchase requirement computed in this manner is placed

at 54225 MU for FY2015-16 which is less by 3419 MU compared with 57644 MU power purchase requirement estimated by the licensees for FY2015-16. The details of power purchase requirement filed by the licensees and approved by the Commission are given in the table below:

Power Purchase Requirement during FY2015-16 (MU)

Licensee	As per Filings	Approved by APERC	Difference
(1)	(2)	(3)	(4)
SPDCL	38702	35503	-3199
EPDCL	18942	18722	-220
Total	57644	54225	-3419

CHAPTER-VI POWER PURCHASE COST FOR FY2015-16

Introduction

204. In this Chapter, the Commission has determined the power purchase cost for FY2015-16 based on power purchase requirement approved in Chapter-V while keeping in view, the stakeholders' views/objections/suggestions as enumerated in Chapter-III and all other aspects. The licensees have estimated the power purchase cost at ₹23250cr. for the total power purchase requirement of 58191MU from different sources. The details of power purchase cost filed by the licensees are given in the table below:

Filings: Power Purchase Costs for FY 2015-16

Source (1)	Purchase MU (2)	Cost, ₹cr				Average ₹/unit (7)
		Fixed (3)	Variable (4)	Other (5)	Total (6)	
APGENCO/TSGENCO						
Thermal	24650.00	3928.00	6043.00	10.00	9981.00	4.05
Hydel	3401.00	463.00	-	-	463.00	1.36
CGS	11832.00	1208.00	2826.00	28.00	4062.00	3.43
APGPCL	83.00	5.43	27.51	-	33.00	3.97
IPPs	1285.00	123.00	345.00	24.00	492.00	3.83
NCE	2805.00	-	1296.00	-	1296.00	4.62
Others *	8885.00	1344.00	1879.00	0.59	3223.00	3.63
Short Term**	5250.00	878.00	2823.00	-	3701.00	7.05
TOTAL	58191.00	7948.00	15240.00	62.00	23250.00	4.00
*Hinduja, KSK Mahanadi, Thermal Powertech, Srivatsa ** Including NTPC Jhajjar						

Energy Availability for FY2015-16

205. The licensees have estimated the energy availability at 69300 MU from different generating stations and market purchases during FY2015-16. The estimated energy availability is primarily from APGENCO with long term contracts(24650MU from thermal stations and 3401MU from hydel stations), short term purchases from market (16358MU including NTPC Jhajjar) and CGS stations (11832MU) and other new thermal stations such as Hinduja and Thermal Powertech(8886MU) during FY2015-16.

206. The Commission has determined the energy availability from each generating station for every month during FY2015-16 after considering:

- a. Projections by the generators,
 - b. Actual performance of the generating stations in the current financial year up to January 2015,
 - c. Availability projected by the licensees in the ARR/FPT filings,
 - d. Availability of gas,
 - e. Likely commissioning of new generation projects during FY2015-16,
 - f. Views/suggestions/objections received and the response of the licensees thereon and
 - g. The share of Andhra Pradesh State in CGS as per the latest Gol notification in this regard.
207. With the reassessment of energy availability for each generating station, the Commission has revised the energy availability upwards by 1925 MU from different generation sources (excluding market purchases) during FY2015-16. Significant increase in availability is observed from APGENCO thermal stations at 1742 MU followed by Central Generating stations at 376 MU. The details of total energy available to the licensees during FY2015-16 are given in the table below:

Energy Availability (MU) during FY2015-16 (Excluding Market Purchases)

Source	Filed by Licensee	Approved by APERC	Difference in Availability
(1)	(2)	(3)	(4) =(3)-(2)
<i>APGENCO/TSGENCO</i>			
Thermal	24650	26392	1742
Hydel	3401	3403	2
CGS	11832	12208	376
APGPCL	83	104	21
IPPs	1285	1285	0
NCE	2805	2805	0
Others *	8886	8670	-216
TOTAL	52942	54867	1925
*Hinduja, KSK Mahanadi, Thermal Powertech, Srivatsa			

Monthly Mapping of Power Purchase Requirement and Availability

208. Against the total power purchase requirement of 54225MU for FY2015-16 as determined by the Commission in Chapter-V, the energy available from different generation sources excluding market purchases has been placed at 54867MU during FY2015-16.

209. The Commission, after considering the energy availability as per its revision, has mapped the month wise power purchase requirement against month wise available energy to each licensee first and then available energy from other licensee, as a part of merit order dispatch process (i.e. D-D trades) and arrived at monthly surplus/deficit for all the months of FY2015-16.

Central Dispatch FY2015-16

210. The available energy during each month from different stations estimated as above along with variable rates were used for monthly merit order dispatch of energy for FY2015-16. For arriving at the merit order dispatch, the monthly energy availability from each generating station is stacked up in ascending order based on variable rates and dispatched energy to meet requirements of both the licensees. As a result, the cost of power procurement at state level is minimized to the extent possible considering the monthly availability and requirement of energy.

Market Purchases

211. The Commission, based on the monthly mapping of requirement and availability, has found that the licensees are short of meeting energy requirement by 757 MU during 12 month period of FY2015-16. The Commission has provided the required 757 MU during FY2015-16 to licensees as market purchases at the maximum ceiling rate of ₹ 5.70 /unit for the purpose of computing the power purchase cost. This rate shall also be deemed as the maximum ceiling tariff determined under section 62 of Electricity Act 2003 for short term power purchases to meet the unanticipated power shortages during FY2015-16.
212. The market purchases have been significantly reduced from about 16358 MU as per ARR/FPT filings to 757 MU during FY2015-16 that has led to significant reduction in power purchase cost during FY2015-16; an issue that has been raised by many stakeholders in writing and during public hearings. After factoring the approved market purchase of 757 MU during FY2015-16, the total energy availability as per this Order is placed at 55624 MU against 69300 MU projected/estimated by the licensees. The details are given in the table below:

Energy Availability (MU) during FY2015-16(Including Market Purchases)

Source	Filed by Licensees	Approved by APERC	Difference in Availability
(1)	(2)	(3)	(4) =(3)- (2)
<i>APGENCO/TSGENCO</i>			
Thermal	24650	26392	1742
Hydel	3401	3403	2
CGS	11832	12208	376
APGPCL	83	104	21
IPPs	1285	1285	0
NCE	2805	2805	0
Others *	8886	8670	-216
Short Term**	16358	757	-15601
TOTAL	69300	55624	-13676
*Hinduja, KSK Mahanadi, Thermal Powertech, Srivatsa ** Including NTPC Jhajjar			

Ceiling Price for Short Term Power Purchases

213. The maximum ceiling rate for short term purchases was pegged at ₹5.70/kWh after considering:

- Rates at which short term transactions took place through exchanges and bilateral purchases during the last one year in the country,
- Rates at which the short term purchases were made by the Licensees during the past one year,
- Rates prevalent in the southern region,
- Stringent conditions imposed by CERC on maintaining grid frequency and restriction on over drawal from grid in the Deviation Regulations,
- Evacuation constraints between the NEW and the Southern grid and
- Short term purchase orders placed by the Licensees for FY2015-16.

Unexpected Slippage in Generation

214. The Commission recognizes that part or full availability of energy estimated from some of the generating stations may not materialize due to factors such as delayed commissioning of new plants, non-availability of fuel and break down of power plants etc. In that case, the Licensees may approach the Commission for remedial measures to meet the shortfall in energy from alternative sources.

Power Purchase: Fixed Cost for FY2015-16

215. The Licensees have estimated the fixed cost for APGENCO and TSGENCO stations at ₹4391 Cr. for FY2015-16. Pending determination of the fixed cost for third MYT control period of five years from FY2014-15 to FY2018-19, the Commission has adopted the fixed costs determined for these stations for FY2013-14 in the generation tariff order²³ for second MYT control period and provisionally estimated the fixed cost at ₹4078 Cr. for FY2015-16.²⁴ The fixed costs approved herein are subject to the adjustments to be carried out as and when the generation tariff is determined for these stations²⁵.
216. The fixed costs of CGS have been computed based on the latest CERC tariff orders at ₹1172 Cr. as against ₹1208 Cr. estimated by the licensees for FY2015-16. For IPPS, APGPCL and Srivatsa, the Commission after verification of PPAs and MOUs entered into by the licensees, has provisionally admitted the fixed costs as filed by licensees in their ARR/FPT filings.
217. In case of Tuticorin (CGS), HNPCL (Hinduja Power Plant) and Damodaram Sanjeevaiah Thermal Power Station, the new upcoming plants, the fixed costs estimated/filed by the licensees are found to be comparable with similar projects for which tariff has been determined by CERC and thus the fixed costs as filed by licensees have been adopted²⁶.
218. The tariffs for both Thermal Powertech and KSK Mahanadi power plants were discovered through bid based route for which the erstwhile APERC already gave approval. Hence, the fixed costs discovered through the bids were adopted.

²³APERC (2014a) Order in O.P. NO. 15 of 2009 dated.31-05-2014.

²⁴ The licensees have included the pension liabilities in fixed costs payable to generating stations owned by APGENCO during FY2015-16. The Commission has decided to take up the issue of pension liabilities at the time of determination of generation tariff for APGENCO stations for third Control Period from FY2014-15 to FY2018-19.

²⁵Annexure-05: Station wise fixed cost for FY2015-16.

²⁶The generation tariff for these stations is yet to be determined by appropriate Commission. Till such time the tariff is determined, some sort of provisional fixed cost estimation is necessary.

Power Purchase: Variable Cost for FY2015-16

219. For the existing stations, the variable rates/costs as projected by the licensees were adopted if they are closer to/lower than the latest actual rates. For some of the stations, where the projected rates are on higher side, the averages of the actual rates during the latest three months available have been adopted. For gas based stations, the effect of natural gas price increase from US\$4.2 per mmbtu to \$5.61 mmbtu is also taken into account. For upcoming stations, the variable rates as filed by the licensees for FY2015-16 were adopted as the same were found to be reasonable and/or as discovered through bids.
220. The variable rates adopted for different stations in the above manner for FY2015-16 have been multiplied with corresponding energy dispatches to arrive at the variable costs for different stations.

Power Purchase: Incentives and Income tax

221. In computing incentives for APGENCO/TSGENCO thermal stations, Rs.0.25/kWh was considered as per Regulation 1 of 2008 notified by the Commission. For IPPS, no incentives were considered as the plants are likely to operate at low PLFs during FY2015-16 also. Regarding Income Tax, the amounts as projected by the Licensees have been adopted.

Power Purchase Cost for FY2015-16

222. Based on the above procedure, the Commission has computed the power purchase cost for the approved energy requirement of 54255 MU at ₹19538 Cr. for FY2015-16, i.e. a total reduction of ₹3712 Cr. on account of changes made by the Commission in a) sales volumes, b) losses, c) power purchase requirement d) energy availability and e) fixed and energy charges of generating stations. The details of approved power purchase costs are given in the tables below:

Power Purchase Cost Approved by APERC for All Licensees for FY 2015-16

Generation Source	Power Purchase (MU)	Cost ₹ cr.					Avg. Cost ₹/Unit
		Fixed	Variable	Incentive	Tax	Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
APGENCO/TSGENCO							
Thermal	25077.38	3729.35	6090.67	13.31	-	9833.33	3.92
Hydel	3403.49	349.00	-	-	-	349.00	1.03
CGS	12208.48	1171.54	2916.76	-	-	4088.30	3.35
APGPCL	83.77	5.43	23.36	-	-	28.79	3.44
IPPs	1231.04	122.77	318.32	-	24.31	465.40	3.78
NCE	2804.79	-	1235.94	-	-	1235.94	4.41
Srivathsa	33.17	2.24	9.73	-	0.59	12.56	3.79
KSK Mahanadi	1254.92	149.34	288.63	-	-	437.97	3.49
Hinduja Plant	5881.08	1027.86	1093.88	-	-	2121.74	3.61
Thermal Powertech	1489.98	271.62	262.24	-	-	533.86	3.58
Other short term sources	756.60	-	431.26	-	-	431.26	5.70
TOTAL	54224.70	6829.15	12670.80	13.31	24.90	19538.15	3.60

SPDCL: Power Purchase Cost Approved by APERC for FY2015-16

Generation Source	Power Purchase	Cost ₹ cr.					Avg. Cost ₹/Unit
		Fixed	Variable	Incentive	Tax	Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
APGENCO/TSGENCO							
Thermal	16483.00	2451.00	4003.00	8.75	-	6463.00	3.92
Hydel	2237.00	229.00	-	-	-	229.00	1.03
CGS	8025.00	770.00	1917.00	-	-	2687.00	3.35
APGPCL	55.00	4.00	15.00	-	-	19.00	3.44
IPPs	809.00	81.00	209.00	-	15.98	306.00	3.78
NCE	2553.00	-	1122.00			1122.00	4.39
Srivathsa	-	-	-	-	-	-	-
KSK Mahanadi	825.00	98.00	190.00	-	-	288.00	3.49
Hinduja Plant	3866.00	676.00	719.00	-	-	1395.00	3.61
Thermal Powertech	979.00	179.00	172.00	-	-	351.00	3.58
Short Term	497.00	-	283.00	-	-	283.00	5.70
D to D purchases	267.00	-	151.98	-	-	152.00	5.70
D to D sales	-1094.00	-	-623.33	-	-	-623.00	5.70
TOTAL	35503.00	4487.00	8160.00	8.75	15.98	12672.00	3.57

EPDCL: Power Purchase Cost Approved APERC by for FY2015-16

Generation Source	Power Purchase	Cost ₹ cr.					Avg. Cost ₹/Unit
		Fixed	Variable	Incentive	Tax	Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
APGENCO/TSGENCO							
Thermal	8594.00	1278.00	2087.00	4.56	-	3370.00	3.92
Hydel	1166.00	120.00	-	-	-	120.00	1.03
CGS	4184.00	401.00	1000.00	-	-	1401.00	3.35
APGPCL	29.00	2.00	8.00	-	-	10.00	3.44
IPPs	422.00	42.00	109.00	-	8.33	159.00	3.78
NCE	251.00	-	114.00	-	-	114.00	4.55
Srivathsa	33.00	2.00	10.00	-	0.59	13.00	3.79
KSK Mahanadi	430.00	51.00	99.00	-	-	150.00	3.49
Hinduja Plant	2015.00	352.00	375.00	-	-	727.00	3.61
Thermal Powertech	511.00	93.00	90.00	-	-	183.00	3.58
Short Term	259.00	-	148.00	-	-	148.00	5.70
D to D purchases	1094.00	-	623.33	-	-	623.00	5.70
D to D sales	-267.00	-	-151.98	-	-	-152.00	5.70
TOTAL	18722.00	2342.00	4511.00	4.56	8.92	6866.00	3.67

CHAPTER-VII

AGGREGATE REVENUE REQUIREMENT FOR FY2015-16

Introduction

223. In this chapter, the Commission has determined the Aggregate Revenue Requirement (ARR) relating to retail supply business of SPDCL and EPDCL based on their respective filings as briefed in Chapter-I of this Order while including the power purchase cost as determined in Chapter-VI of this Order.

Transmission and State Load Dispatch Centre (SLDC) Costs

224. The Commission has examined the transmission and SLDC costs filed by the licensees for FY2015-16 in the background of applicable transmission charges, SLDC charges and fee and capacities for FY2015-16 in accordance with the MYT Tariff Orders on Transmission Charges²⁷ and SLDC fee and Charges²⁸ for third control period of five years from FY2014-15 to FY2018-19. The Commission has tentatively accepted the SPDCL's assumption of 17.45 percent²⁹ of approved capacity of CPDCL for FY2015-16 as additional capacity on which it has to pay the cost for transmission and SLDC cost during FY2015-16 on account of inclusion of two new districts to its supply area w.e.f. June 2, 2014.

225. The Commission has computed the transmission and SLDC costs for FY2015-16 in accordance with MYT principles and found that the transmission and SLDC costs computed and filed by the licensees indeed adhere to the MYT principles in calculating the transmission and SLDC costs for FY2015-16. Hence, the

²⁷ The cost to be paid by the licensees to the Transmission licensee for utilizing the transmission network. APERC (62) *op.cit.*

²⁸ The cost to be paid by licensees to APTransco towards usage of the services of SLDC. APERC (61) *op.cit.*

²⁹ The origin of this 17.45 percent is traced to the share of consumption of Anantapur and Kurnool districts in total CPDCL sales for past five years used by the Government of Andhra Pradesh to arrive at the revised generation capacities among distribution and retail supply licensees in G.O.Ms.No.20 dated 08/05/2014. However, SPDCL adopted this percentage for measuring the additional cost on account of inclusion of Anantapur and Kurnool districts in ARR items such as transmission cost, distribution cost, SLDC cost, etc, though there is no rationale for such adaptation. In the absence any other reliable information, such adaptation is accepted by the Commission on provisional basis for FY2015-16.

Commission has approved the transmission and SLDC cost as filed by licensees without any modification at ₹995.10 cr. for FY2015-16. However, the approval of these costs for SPDCL with regard to transmission and SLDC is only on provisional basis and subject to final review by the Commission on finalization of the accounting separation of transmission assets and liabilities in pursuance of AP Reorganization Act 2014. The calculations with regard to transmission and SLDC costs for FY2015-16 are given in the tables below;

Transmission and SLDC Costs for FY2015-16

Transmission Cost Item	SPDCL	EPDCL	Total
(1)	(2)	(3)	(4)
1.Approved Transmission Capacity, MW	5224.76	3706.84	8931.60
2.Capacity for Ananthapur and Kurnool Districts, MW	1885.66	0.00	1885.66
3.Total Transmission Capacity for FY2015-16, MW(1+2)	7110.42	3706.84	10817.26
4.Transmission Tariff Approved(₹/kW/Month)*	76.66	76.66	76.66
5.Transmission Cost , ₹Cr. (3 × 4)	654.10	341.00	995.10
6.Transmission Cost filed by Licensees, ₹Cr.	654.10	341.00	995.10
7.Difference over Licensees' estimate , ₹Cr. (5-6)	0.00	0.00	0.00
8.Approved Transmission Cost for FY2015-16, ₹Cr.	654.10	341.00	995.10

SLDC Cost Item	SPDCL	EPDCL	Total
(1)	(2)	(3)	(4)
1.Approved Transmission Capacity, MW*	5224.76	3706.84	8931.60
2.Capacity for Ananthapur and Kurnool Districts, MW	1885.66	0.00	1885.66
3.Total Transmission Capacity for FY2015-16, MW(1+2)	7110.42	3706.84	10817.26
4.SLDC Annual Fee Approved for FY2015-16 (₹/MW/Year)	3092.78	3092.78	3092.78
5.SLDC Annual Charge Approved for FY2015-16 (₹/MW/Month)	2209.34	2209.34	2209.34
6. Annual Fee to Paid ₹ Cr.	2.20	1.15	3.35
7. Charges to be paid during FY2015-16, ₹ Cr.	18.85	9.83	28.68
8. Total SLDC Cost for FY2015-16, ₹Cr.	21.05	10.97	32.02
9. SLDC Cost filed by Licensees for FY2015-16, ₹Cr.	21.05	10.97	32.02
7.Difference over Licensees' estimate , ₹Cr. (5-6)	0.00	0.00	0.00
8.Approved SLDC Cost for FY2015-16, ₹Cr.	21.05	10.97	32.02

226. The Commission, in view of provisional approval of transmission and SLDC costs

for SPDCL for FY2015-16, directs that;

“SPDCL shall pay the transmission and SLDC costs to APTransco in accordance with the approvals in this Order only on provisional basis until further Orders by the Commission. Any amount paid in pursuance of this Order will be subjected to true up (notwithstanding the principles that govern the nature of these costs whether controllable or uncontrollable in accordance with MYT Regulations/Principles) to the extent the variation caused by the final allocation of additional capacity from the additional capacity approved in this Order on account of shifting of Anantapur and Kurnool districts to SPDCL w.e.f June 2, 2014. For this purpose, the SPDCL shall file a separate application for true up of the Transmission and SLDC cost approved in this Order on finalisation of the additional capacity”.

Distribution Cost

227. The licensees have adopted the distribution costs for FY2015-16 by adhering to the MYT principles and in accordance with the MYT Tariff Order³⁰. However, SPDCL has added 17.45 percent of the distribution cost approved for CPDCL for FY2015-16 in the said MYT Order to account for the likely additional distribution cost during FY2015-16 on inclusion of the supply areas of Ananthapur and Kurnool districts within its supply area in accordance with the A.P.Reorganisation Act, 2014. Pending finalisation of the distribution of assets and liabilities on state bifurcation, the Commission has accepted the assumption of SPDCL in computing the additional distribution cost (as explained above) for FY2015-16 and found that the licensees’ calculations are in congruence with MYT principles and MYT Order. Accordingly, the Commission has, on provisional basis, approved the distribution cost at ₹3370.21 Cr. as filed by the licensees for FY2015-16. The details of these calculations are given in the table below

³⁰ APERC Order in O.P.No. 64 to 70 of 2013 dated 09-05-2014 on Wheeling Charges for Distribution Business for 3rd Control Period FY2013-14 to FY2018-19.

Distribution Cost for FY2015-16, ₹ cr.

Item	SPDCL	EPDCL	Total
(1)	(2)	(3)	(4)
1.Distribution Cost as per MYT Order for FY2015-16*	1766.60	1216.97	2983.57
2.Distribution Cost for Ananthapur and Kurnool Districts	386.64	0.00	386.64
3.Distribution Cost computed for FY2015-16(1+2)	2153.24	1216.97	3370.21
4.Distribution Cost filed by Licensees for FY2015-16	2153.24	1216.97	3370.21
5.Difference over Licensees' estimate(3-4)	0.00	0.00	0.00
6.Approved Distribution Cost for FY2015-16	2153.24	1216.97	3370.21

228. The Commission, in view of provisional approval of distribution cost for SPDCL for FY2015-16, directs that;

“SPDCL shall consider that the distribution cost approved in this Order for FY2015-16 is on provisional basis and will be subject to true up (notwithstanding the principles that govern the nature of these costs whether controllable or uncontrollable in accordance with MYT Regulations/Principles) to the extent the variation is caused by the final allocation of distribution assets and liabilities between the two States in pursuance of the AP Reorganisation Act, 2014. For this purpose, the SPDCL shall file a separate application for true up of the distribution cost approved in this Order on finalisation of distribution of assets and liabilities”.

PGCIL and ULDC Costs

229. The Commission, on examination of the information available with the Licensees relating to costs payable by them for using PGCIL and ULDC services, has approved the total cost at ₹342.75 cr. for FY2015-16 for both licensees as they have filed in their ARR/FPT applications. However, these costs are normally considered as uncontrollable and considered as part of power purchase cost that is to be trued up on application made by licensees in accordance with MYT regulatory framework. The details of the PGCIL and ULDC costs approved by the Commission for FY2015-16 are given in the table below:

PGCIL and ULDC Costs for FY2015-16, ₹ cr.

ARR Item	Filed by Licensees			Approved by APERC		
	SPDCL	EPDCL	Total	SPDCL	EPDCL	Total
(1)	(2)	(3)	(5)	(6)	(7)	(8)
PGCIL Cost	211.10	119.26	330.36	211.10	119.26	330.36
ULDC Cost	9.71	2.88	12.59	9.71	2.88	12.59
Total	220.81	122.14	342.95	220.81	122.14	342.95

Interest Cost on Consumer Security Deposits

230. The Commission, on examination of information filed by the licensees, have found that SPDCL and EPDCL have computed the interest cost on consumer security deposit held with them at 9 percent per annum and 9.5 percent per annum respectively. As per the Regulation issued by the Commission, the licensees have to pay the interest on consumers' security deposit held by them at bank rate (the bank rate as announced by Reserve Bank of India from time to time). The Reserve Bank of India has announced the bank rate at 8.75 percent on January 16, 2015 (down from 9.00 percent) and the Commission has recomputed the interest cost at bank rate of 8.75 percent per annum and approved the interest cost on consumer security deposits at ₹239.25 cr. against ₹251.35 cr. filed by the licensees for FY2015-16. The detailed calculations are given in the table below:

Interest Cost on Consumer Security Deposits, ₹ cr.

Item	Filed by Licensees			Approved by APERC		
	SPDCL	EPDCL	Total	SPDCL	EPDCL	Total
(1)	(2)	(3)	(5)	(6)	(7)	(8)
1. Opening Balance	1599.92	1005.67	2605.59	1599.92	1005.67	2605.59
2. Additions during the Year	181.57	150.13	331.70	181.57	150.13	331.70
3. Deductions during the Year	19.36	55.00	74.36	19.36	55.00	74.36
4. Closing Balance	1762.13	1100.80	2862.93	1762.13	1100.80	2862.93
5. Average of opening and closing balances	1681.03	1053.24	2734.26	1681.03	1053.24	2734.26
6. Interest Rate per annum	9.00%	9.50%		8.75%	8.75%	
7. Interest Cost	151.29	100.06	251.35	147.09	92.16	239.25

Supply Margin in Retail Supply Business

231. The licensees have computed the supply margin in retail supply business at ₹17.96 cr. for FY2015-16 and included the same as cost in their respective ARRs for FY2015-16. However, the Commission has computed the supply margin at ₹17.96 cr. in accordance with RRB approved in MYT Order for each licensee while providing two percent return on equity portion of RRB for FY2015-16 with the provision of higher supply margin to SPDCL to account for additional supply area on inclusion of Anantapur and Kurnool districts in pursuance of AP Reorganization Act, 2014. As per the Commission's computation, the retail supply margin is placed at ₹17.96 cr. for total AP state (equal to the amount filed by licensees) and the same has been approved by the Commission for FY2015-16. The relevant calculations in this regard are given in the table below:

Retail Supply Margin for FY2015-16, ₹ cr.

Item	Filed by Licensees			Approved by APERC		
	SPDCL	EPDCL	Total	SPDCL	EPDCL	Total
(1)	(2)	(3)	(5)	(6)	(7)	(1)
1. RRB Approved for FY2015-16				2190.29	966.88	3157.17
2. Equity Portion of RRB (%)				25.00	25.00	25.00
3. Underlying Equity(1 x 2)				547.57	241.72	789.29
4. Retail Supply Margin (%)				2.00	2.00	2.00
5. Retail Supply Margin (3 x 4)				10.95	4.83	15.79
6. Margin on a/c of Ananthapur and Kurnool Districts*				2.18	0.00	2.18
7. Retail Supply Margin	13.13	4.83	17.96	13.13	4.83	17.96

True Up of Expenses for FY2013-14 and FY2014-15

232. The licensees have requested for true down of expenses at ₹90 cr. by SPDCL and true up of ₹56 cr. by EPDCL relating to retail supply business for FY2013-14 based on audited accounts. For FY2014-15, the licensees have requested for true up of ₹1104 cr. by SPDCL and ₹935 cr. by EPDCL. These computations have been made

based on all the costs and revenue items for FY2013-14 while stating that the deviation in actual and approved ARR and revenue arises because of variation in approved and actual agricultural sales, losses and average realization besides variation in power purchase cost. If this is not accounted for, it will result in the requirement of another Financial Restructuring Plan (FRP)³¹ on account of accumulated financial losses. The true up details filed by the Licensees for the two years are given in the table below:

True up of Expenses filed by Licensees, ₹cr.

ARR Line Item	FY2013-14			FY2014-15			Total		
	SPDCL	EPDCL	TOTAL	SPDCL	EPDCL	TOTAL	SPDCL	EPDCL	TOTAL
1. Transmission Cost	78.00	60.00	138.00	-154.00	-33.00	-187.00	-76.00	27.00	-49.00
2. SLDC Cost	-0.30	-0.11	-0.41	-9.40	-3.26	-12.66	-9.70	-3.37	-13.07
3. Distribution Cost	0.00	0.00	0.00	-261.00	-373.00	-634.00	-261.00	-373.00	-634.00
4. PGCIL Expenses	-33.00	-29.00	-62.00	-88.00	-40.00	-128.00	-121.00	-69.00	-190.00
5. ULDC Charges	0.15	0.11	0.26	-2.39	1.79	-0.60	-2.24	1.90	-0.34
6. Network and SLDC Cost(1+2+3+4+5)	45.00	31.00	76.00	-515.00	-448.00	-963.00	-470.00	-417.00	-887.00
7. Power Purchase / Procurement Cost	443.00	562.00	1005.00	-4338.00	-406.00	-4744.00	-3895.00	156.00	-3739.00
8. Interest on Consumer Security Deposits	0.64	-4.00	-3.36	-46.00	-16.00	-62.00	-45.36	-20.00	-65.36
9. Supply Margin in Retail Supply Business	3.00	0.60	3.60	3.00	1.17	4.17	6.00	1.77	7.77
10. Supply Cost(7+8+9)	447.00	559.00	1006.00	-4380.00	-420.00	-4800.00	-3933.00	139.00	-3794.00
11. Gross ARR (6+10)	491.00	590.00	1081.00	-4896.00	-869.00	-5765.00	-4405.00	-279.00	-4684.00
12. Revenue	402.00	646.00	1048.00	-2873.00	148.00	-2725.00	-2471.00	794.00	-1677.00
13. Subsidy	0.00	0.00	0.00	-919.00	-81.00	-1000.00	-919.00	-81.00	-1000.00
14. Total Revenue (12+13)	402.00	646.00	1048.00	-3792.00	67.00	-3725.00	-3390.00	713.00	-2677.00
Total Gap from Retail Business(11-14)	90.00	-56.00	34.00	-1104.00	-935.00	-2039.00	-1014.00	-991.00	-2005.00

233. The licensees have filed the true up request for distribution and retail supply costs together for the two financial years 2013-14 and 2014-15. As per the existing MYT regulatory framework:

- The network costs (excluding PGCIL and ULDC costs) are to be trued up based on applications filed by transmission and distribution licensees for a control period on completion of such control period.
- With regard to true up of expenses relating to retail supply business, the licensees may file annual true up request, since they are permitted to file the ARR/FPT applications on annual basis.

³¹ A financial package designed by Government of India to bail out the licensees from the problem of huge accumulated financial losses.

- c. The true up of expenses, both network and retail supply business, shall be based on nature of costs, i.e. controllable or uncontrollable, and their sharing mechanism between consumers and licensees in accordance with MYT regulatory framework.
- 234.** The licensees have clubbed the network and retail supply businesses for true up of expenses against the very intent of MYT Regulatory Framework in which the true up of expenses will be based on controllable and uncontrollable nature of costs and sharing mechanism between consumers and licensees specified therein. Further, the Commission, with an intent of carrying out the true up of expenses, has already directed the licensees to file the true up of expenses relating to distribution business for 2nd Control Period of five years FY2008-09 to FY2013-14. Thus, the Commission has not considered the true up request filed by licensees for FY2013-14 as the request for true up of expenses relating to network business is to be separated from the request for true up of expenses relating to retail supply business for FY2013-14.
- 235.** The MYT regulatory framework provides for true up of power purchase cost variation based on audited annual accounts for a completed financial year and the licensees may include the provisional cost variation for the previous years in their ARR filings which will be subject to final correction when final accounts for that year become available. Accordingly, the licensees are eligible to include the provisional power purchase cost variation for FY2014-15 in ARR for FY2015-16.
- 236.** EPDCL has filed the power purchase cost variation for FY2014-15 at ₹406 cr. and the Commission has approved the same as expense on provisional basis and included the same as cost in ARR for FY2015-16. In case of SPDCL, the estimation of power purchase cost variation even on provisional basis is not robust on account of inclusion of two districts, Anantapur and Kurnool w.e.f June 2nd, 2014, during FY2014-15. The Commission has, in the absence of detailed information, considered ₹552 cr.³² as provisional power purchase cost variation against ₹4338 cr. power purchase cost variation true up requested by licensee and included the same in ARR for FY2015-16.

³² 50% of the total amount of ₹1104 cr. requested by SPDCL to be trued up for FY2014-15 by APERC.

237. The details of provisional true-up on account of power purchase cost variation approved by the Commission and included in ARR for FY2015-16 are given in the table below:

True Up for Power Purchase Cost Variation for FY2014-15, ₹ cr.

Licensee	Filed by Licensees	Approved by APERC
(1)	(2)	(3)
SPDCL	4338	552
EPDCL	406	406
TOTAL	4744	958

Energy Efficiency Project Cost

238. The licensees, with the view to conserve energy in domestic category, have initiated an energy conservation project on pilot basis in two districts of each licensee area that aims at replacing the conventional incandescent bulbs with LED bulbs. The licensees have considered the payments to be made for this project as one time expenditure and included ₹43 cr. in ARR for FY2015-16 as an expense item.
239. The Commission is of the view that the payments are unlikely to be made as projected by licensees as these payments are linked to project execution during FY2015-16. The Commission as such approves 50% of the estimated payments towards this project as expenditure during FY2015-16 and included the same in ARR for FY2015-16. In case the licensees are able to complete the payments as estimated within FY2015-16, the Commission assures that such cost will be reimbursed through the next ARR with carrying cost. The licensees are, if necessary, expected to record these payments in their annual accounts appropriately. The details of these costs are given in the table below:

Energy Efficiency Project Cost for FY2015-16, ₹ cr.

Licensee	Filed by Licensees	Approved by APERC
SPDCL	27.06	13.53
EPDCL	16.58	8.29
TOTAL	43.64	21.82

Aggregate Revenue Requirement (ARR) for FY2015-16

240. The Commission with the determination of sales (in Chapter-IV), power purchase requirement (in Chapter-V), power purchase cost (in Chapter-VI) and other ARR items in this chapter, has computed the ARR at ₹25515 cr. comprising of ₹16447 cr. for SPDCL and ₹9068 cr. for EPDCL, for FY2015-16 for both the licensees against ₹30308 cr. ARR filed by the licensees; a total reduction of ₹4793 cr. for FY2015-16.

241. This reduction of the ARR for FY2015-16 is expected to address the concerns expressed by several stakeholders with regard to inflationary nature of ARR/FPT filings made by the licensees for FY2015-16. The reduction in power purchase requirement followed by consequent reduction/elimination of high cost short term power purchases by the Commission has resulted in reduction of power purchase cost by ₹3712 cr. or by 16 percent compared with power purchase cost filed by licensees for FY2015-16. The details of ARR filed by Licensees and approved by APERC for FY2015-16 are given in the table below:

Aggregate Revenue Requirement for FY2015-16, ₹cr.

Item	Filed by Licensees			Approved by APERC		
	SPDCL	EPDCL	TOTAL	SPDCL	EPDCL	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
01: Aggregate Revenue Requirement(02 to 10)	19940.70	10367.57	30308.28	16446.95	9068.36	25515.31
02: Transmission Cost	654.10	341.00	995.10	654.10	341.00	995.10
03: SLDC Cost	21.05	10.97	32.02	21.05	10.97	32.02
04: Distribution Cost	2153.24	1216.97	3370.21	2153.24	1216.97	3370.21
05: PGCIL Expenses	211.10	119.26	330.36	211.10	119.26	330.36
06: ULDC Charges	9.71	2.88	12.59	9.71	2.88	12.59
07: Power Purchase / Procurement Cost	15685.89	7564.29	23250.18	12672.00	6866.00	19538.00
08: Interest on Consumer Security Deposits	151.29	100.06	251.35	147.09	92.16	239.25
09: Supply Margin in Retail Supply Business	13.13	4.83	17.96	13.13	4.83	17.96
10: Other Costs, if any	1041.19	1007.31	2048.50	565.53	414.29	979.82
<i>True up for FY2013-14</i>	-90.00	56.00	-34.00	0.00	0.00	0.00
<i>True up for FY2014-15</i>	1104.13	934.73	2038.86	552.00	406.00	958.00
<i>Energy Efficiency Project Cost</i>	27.06	16.58	43.64	13.53	8.29	21.82

CHAPTER-VIII COST OF SERVICE FOR FY2015-16

Introduction

242. The Commission in this Chapter has computed the cost of service for each major consumer category for FY2015-16 based on licensee wise ARR determined by the Commission in Chapter-VII by considering the views/objections/suggestions of the stakeholders.

Methodology for Computing the CoS

243. The Commission has endeavored to compute the cost of service for each major consumer category for FY2015-16 based on embedded cost method in which the costs are to be functionalized into demand, energy and customer related ones and these functionalized costs are to be allocated to different consumer categories based on allocation factors. The allocation factors, in turn are to be computed based on class load and coincidence factors, peak timings and contracted capacities for network cost allocation.

244. Though the licensees have submitted the cost of service for each consumer category, the calculations are not acceptable to the Commission as they are based on average method and not on peak method. The Commission opines that the average method suppresses the real cost contributing consumer categories and shows distorted cost structure. The Commission also made attempts to compute the cost of service based on the model that was being used by the erstwhile APERC for the total AP State but could not find it suitable for allocating network costs in view of changes/variations in transmission and distribution capacities on bifurcation of the erstwhile Andhra Pradesh State.

245. In view of data and other data modelling problems associated with the capacity data, the Commission has adopted a simplified embedded cost method for allocation of costs to different consumer categories for FY2015-16. In this method:

- a. Power purchase cost has been functionalized into demand and energy while considering the fixed component of power purchase cost as 'demand related' and variable component of power purchase cost as 'energy related'. The other costs (approved amounts of ARR relating to true-up cost, interest cost

and energy efficiency project cost) are also functionalized as 'energy related' costs.

- b. The demand related cost has been allocated to different consumer categories based on coincident peak demand computed based on sales, load factor, coincidence factor and approved losses for FY2015-16.
 - c. The energy related cost has been allocated to different consumer categories based on required energy input computed for this purpose depending upon the approved volume of sales and losses for FY2015-16.
 - d. The network cost (consists of transmission cost, distribution cost, SLDC cost, PGCIL cost and ULDC cost) has been allocated to different consumer categories based on proportionality of sales volume of each consumer category to total sales volume.
- 246.** The embedded cost for each consumer category has been computed by adding allocated (i) demand related cost (ii) energy related cost and (iii) network cost, as described above.
- 247.** The Cost of Service (CoS) per unit (average cost of supply) has been computed for each consumer category by dividing the allocated cost/ARR to each consumer category with the sales volume approved for that category during FY2015-16.
- 248.** The Commission recognizes the limitations of this particular simplified model used in computing the cost of service in terms of limited data and data insufficiency and thus, the CoS cannot be simply related to the tariff fixed in this Tariff Order. At best, these CoS rates are guideposts for consumers and licensees for possible future direction of tariff for retail sale of electricity.
- 249.** The CoS worked out for each consumer category has been used for the purpose of observing the cost and cross subsidy amounts to make decisions on tariff setting, for different consumer categories and to determine the tariff to recover the approved ARR for FY2015-16 in respect of each Licensee. The summary of these calculations for SPDCL and EPDCL are given in the tables below:

SPDCL: Cost of Service (CoS) for FY2015-16

Consumer Category	Sales(mu)	ARR/Cost Allocation (₹ cr.)				CoS ₹/Unit
		Demand	Energy	Network	Total/ARR	
LT-I: Domestic	6776.73	1665.55	2099.02	669.23	4433.80	6.54
LT-II: Non-Domestic	1442.33	377.00	454.06	142.44	973.50	6.75
LT-III: Industry	1377.22	244.01	432.79	136.01	812.81	5.90
LT-IV: Cottage Industries	33.52	6.15	10.66	3.31	20.12	6.00
LT-V : Agriculture	8020.16	334.21	2421.24	792.03	3547.48	4.42
LT-VI: Street Lighting	540.52	151.10	164.44	53.38	368.91	6.83
LT-VII: General	80.93	22.43	24.29	7.99	54.72	6.76
LT-VIII: Temporary	1.04	0.29	0.31	0.10	0.71	6.80
HT-I: Industry-11 kV	2095.46	303.18	572.78	206.94	1082.89	5.17
HT-I: Industry-33 kV	4578.31	619.68	1189.90	452.13	2261.71	4.94
HT-I: Industry-EHT	3635.33	412.55	939.83	359.01	1711.39	4.71
HT-II: Others-11 kV	620.66	92.16	164.94	61.29	318.39	5.13
HT-II: Others-33 kV	102.04	14.91	26.52	10.08	51.50	5.05
HT-II: Others-EHT	23.73	2.91	6.13	2.34	11.39	4.80
HT-IV: Lift Irrigation-11 kV	26.13	2.86	7.35	2.58	12.79	4.89
HT-IV: Lift Irrigation - 33kV	319.13	34.52	82.94	31.52	148.98	4.67
HT-V: Railway Traction	830.02	161.63	214.58	81.97	458.18	5.52
HT-VI: Townships	46.50	10.23	12.33	4.59	27.15	5.84
HT: RESCOs	310.13	29.27	82.23	30.63	142.13	4.58
HT: Temporary	16.62	2.37	4.41	1.64	8.41	5.06
TOTAL	30876.49	4487.00	8910.75	3049.20	16446.95	5.33

EPDCL: Cost of Service (CoS) for FY2015-16

Consumer Category	Sales(mu)	ARR/Cost Allocation (₹ cr.)				CoS ₹/Unit
		Demand	Energy	Network	Total/ARR	
LT-I: Domestic	4325.65	925.09	1435.31	443.06	2803.47	6.48
LT-II: Non-Domestic	739.57	163.47	249.07	75.75	488.28	6.60
LT-III: Industry	853.04	126.68	288.22	87.37	502.27	5.89
LT-IV: Cottage Industries	1.82	0.28	0.67	0.19	1.14	6.27
LT-V : Agriculture	1936.33	77.89	625.35	198.33	901.57	4.66
LT-VI: Street Lighting	233.90	66.23	96.40	23.96	186.58	7.98
LT-VII: General	45.92	11.93	17.71	4.70	34.34	7.48
LT-VIII: Temporary	0.74	0.18	0.33	0.08	0.58	7.81
HT-I: Industry-11 kV	1585.99	190.57	448.42	162.45	801.44	5.05
HT-I: Industry-33 kV	1501.55	175.87	415.43	153.80	745.10	4.96
HT-I: Industry-EHT	3512.70	355.64	965.20	359.80	1680.63	4.78
HT-II: Others-11 kV	346.67	48.75	98.02	35.51	182.27	5.26
HT-II: Others-33 kV	203.92	24.05	56.42	20.89	101.36	4.97
HT-II: Others-EHT	119.40	12.99	32.81	12.23	58.03	4.86
HT-IV: Lift Irrigation-11 kV	48.57	1.95	13.73	4.98	20.66	4.25
HT-IV: Lift Irrigation - 33kV	11.46	0.44	3.17	1.17	4.78	4.17
HT-V: Railway Traction	732.54	130.81	201.28	75.03	407.12	5.56
HT-VI: Townships	34.36	6.14	9.71	3.52	19.38	5.64
HT: RESCOs	275.98	23.06	78.03	28.27	129.36	4.69
HT: Temporary	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	16510.12	2342.00	5035.28	1691.08	9068.36	5.49

CHAPTER-IX REVENUE AND REVENUE GAP

Introduction

250. The Commission in this chapter has recomputed the revenue gap for FY2015-16 based on revised sales, ARR and total revenue from all sources, while taking the tariff as proposed by licensees for FY2015-16 as the basis. The tariff determination is an exercise to recover the approved revenue requirement through receipts/revenue from various streams with other non-tariff objectives such as energy conservation, cost reflection in tariffs, reduction of cross subsidies etc., so that the licensees are able to meet the expenditure. In short, the primary objective of tariff setting, as far as licensees are concerned, is to fix the tariff in such a manner that the approved revenue requirement will be recovered from the consumers for the tariff year/period.

Revenue from Tariffs and Other Sources

251. The licensees get the revenue from tariff in two ways namely consumption charges (such as energy, fixed, customer and minimum) and other sources (such as recoveries from power theft, interest income and other miscellaneous receipts) which are incidental to the main business and such non-tariff receipts would not be substantial. The Commission has approved the non-tariff income and income from other sources as filed by licensees for FY2015-16.

252. The licensees have computed/estimated the revenue from tariff (consumption charges and non-tariff income) as proposed by them on sales forecast/estimate of 50486 MU made by them and arrived at the revenue gap at ₹ 6456 cr. for FY2015-16³³. Based on 47387 MU sales volume approved by the Commission³⁴, the revenue at the tariff proposed by licensees has been recomputed at ₹ 22626.78 cr. for FY2015-16 and these details are given in the table below:

³³See Chapter-I.

³⁴See Chapter-IV.

Revised Sales and Revenue for FY2015-16(at the tariff proposed by licensees)

Consumer Category	Sales, mu			Revenue, ₹cr.		
	SPDCL	EPDCL	Total	SPDCL	EPDCL	Total
LT-I: Domestic	6776.73	4325.65	11102.39	2461.27	1476.37	3937.65
LT-II: Non-Domestic	1442.33	739.57	2181.90	1366.42	708.85	2075.27
LT-III: Industry	1377.22	853.04	2230.26	981.17	562.93	1544.10
LT-IV: Cottage Industries	33.52	1.82	35.33	14.56	0.93	15.49
LT-V: Agriculture	8020.16	1936.33	9956.49	99.13	35.48	134.61
LT-VI: Street Lighting	540.52	233.90	774.42	306.21	140.35	446.56
LT-VII: General	80.93	45.92	126.84	59.33	34.28	93.61
LT-VIII: Temporary	1.04	0.74	1.78	1.04	0.77	1.81
HT-I: Industry	10309.10	6600.25	16909.35	7453.84	4128.72	11582.56
HT-II: Others	674.33	654.86	1329.19	658.92	614.26	1273.19
HT-III: Aviation	72.09	15.13	87.22	74.21	12.65	86.86
HT-IV: Lift Irrigation	345.26	60.03	405.29	204.86	36.79	241.65
HT-V: Railway Traction	830.02	732.54	1562.56	563.23	501.07	1064.30
HT-VI: Townships	46.50	34.36	80.86	28.71	21.76	50.47
HT-VII: Green Power	0.00	0.00	0.00	0.00	0.00	0.00
HT-VIII: Temporary	16.62	0.00	16.62	15.15	0.00	15.15
HT: RESCOs	310.13	275.98	586.10	25.31	38.20	63.51
Total	30876.49	16510.12	47386.60	14313.36	8313.41	22626.78

253. Based on the ARR approved by the Commission and revenue recomputed for FY2015-16³⁵, the revenue gap has been worked out at ₹2889 cr. for both licensees and these details are given in the table below:

Revenue Requirement and Revenue Gap for FY2015-16 (₹. Cr)

Item	Licensee		
	SPDCL	EPDCL	TOTAL
1. Aggregate Revenue Requirement	16446.95	9068.36	25515.31
2. Revenue from Tariff *	14313.36	8313.41	22626.78
3. Revenue Gap (1-2)	2133.59	754.95	2888.53

* on sales approved by the Commission for FY2015-16 at the tariff proposed by licensees.

³⁵See Chapter-VII

254. To sum up, the revenue gap has been reduced by ₹ 3567 cr.as a result of determination of ARR based on revised sales and computation of revenue based on revised sales at the tariff proposed by licensees for FY2015-16. These details are given in the table below:

Revenue Gap for FY2015-16(₹ cr)

Revenue Gap	Licensee		
	SPDCL	EPDCL	TOTAL
1. As per Licensees' Filings	4550.57	1905.37	6455.94
2. As per APERC Computations*	2133.59	754.95	2888.54
3.Difference (1-2)	2416.98	1150.42	3567.40
*on sales approved by the Commission for FY2015-16 at the tariff proposed by licensees.			

CHAPTER-X REFERENCE TARIFF SCHEDULE

Introduction

- 255.** The Commission in this Chapter, after examination of the tariff proposed by the licensees for FY2015-16, stakeholders' views/objections/suggestions thereon and other aspects such as the revenue gap, cross subsidies and external subsidy availability, has prepared a Reference Tariff Schedule(RTS) as a prelude to determination of full cost recovery tariff in Chapter-XI. In this RTS, the Commission has incorporated the rates/charges as deemed fit considering all relevant aspects and recomputed the revenue gap for FY2015-16.
- 256.** The licensees have proposed to increase the tariff (fixed/demand and energy charges) by 6 percent, for all consumer categories except LT-I: Domestic consumers who consume up to 100 units/month and LT-V: Agriculture consumers. The licensees' expected additional revenue through this tariff increase will be about ₹1261 cr. on sales proposed by them in ARR/FPT filings. The additional revenue by applying proposed tariff on sales revised by the Commission for FY2015-16 will get reduced to about ₹1188 cr. during FY2015-16³⁶.
- 257.** It is appropriate to mention herein the fact that the tariff for retail sale of electricity had been determined for FY2013-14 and due to several intervening reasons, the tariff for retail sale of electricity for FY2014-15 suggested by the Commission could not be given effect to and consequently the licensees continued to levy tariff fixed for FY2013-14 during FY2014-15 also with appropriate authorization. Thus the tariff hike proposed by the licensees shall be construed to be 3 percent per annum on annualized basis which is less than the general inflation rate observed in recent times. The Commission deems that the proposed increase in tariff by the licensees is not unduly disproportionate to surrounding economic environment.
- 258.** The Commission having examined the stakeholders' views/objections/suggestions and the licensees' responses and the revenue gap of ₹2889 cr. for

³⁶ In short, if the Licensees' proposed tariff is approved, the additional burden on consumers will be to the extent of 1188 cr during FY2015-16 compared with tariff fixed for FY2013-14 and was made applicable for FY2014-15.

FY2015-16, has decided to:

- a. Exempt certain deserving consumer categories from the tariff hike proposed by the licensees, either in full or in part.
 - b. Reasonably restrict the hike in energy charges to an affordable 5% as against 6% proposed by the licensees for the remaining consumer categories.
 - c. Approve the hike in fixed charges at 6% as proposed by the licensees for the consumer categories for whom fixed charges are applicable except for those exempted.
- 259.** The proposed increase by the licensees at 6% of both fixed and energy charges or 5% increase in energy charges and 6% increase in fixed/demand charges approved by the Commission are substantially lower than the prevailing rate of inflation at any given time in FY2013-14 and FY2014-15. On an overall view of all the relevant facts and circumstances, the increase in energy charge by 5% and fixed/demand charge by 6% are considered as just, fair, reasonable and equitable and will not impose any unreasonable or unbearable burden on both the subsidizing and subsidized consumers of electricity³⁷, though they have to shoulder some nominal economic discomfort to ensure the minimum financial viability of the licensees.

Consumer Categories Exempted from Tariff Hike during FY2015-16

Charges for LT-I: Domestic Consumer Category during FY2015-16

- 260.** The licensees' proposed tariff do not contemplate any increase in energy charges for LT-I: Domestic consumers with consumption up to 100 units per month [LT-I(A):Upto 50 units per month and LT-I(B): Above 50 and up to 100 units per month] during FY2015-16. For consumers with consumption more than 100 units per month [LT-I(C): Above 100 units and up to 200 units per month and LT-I (D): Above 200 units per month], the licensees have proposed the hike in energy charges by 6 percent during FY2015-16.

³⁷ Subsidizing consumers are the ones who pay the tariff more than the cost of service and subsidized consumers are the ones who pay the tariff less than cost of service. In case of subsidized consumers, the amount short paid by the consumers is met through excess amounts paid by the subsidized consumers, either in part or full, known as cross subsidization.

261. The Commission while considering different views expressed by consumers in writing and during public hearings, has decided to exempt the total consumption up to 200 units per month from hike in energy charges and approve the increase in energy charges by 5% against 6% proposed by licensees for the consumption above 200 units per month thereby extending the concession to all consumers by a) exempting all consumers with consumption up to 200 units per month and b) restricting the hike in energy charges to 5% as against 6% hike proposed by licensees for all consumers whose consumption exceeds 200 units per month. The charges/rates for LT-I: Domestic consumer category are given in the table below:

Charges/Rates for LT-I: Domestic Consumer Category

Consumer Category	2014-15 Current Charges		Approved by APERC for FY2015-16		Proposed by Licenses for FY2015-16	
	Fixed	Energy	Fixed	Energy	Fixed	Energy
LT-I: Domestic						
LT-I(A): Up to 50 Units/Month	0.00	1.45	0.00	1.45	0.00	1.45
LT-I(B): > 50 and Upto 100 Units/Month						
0 - 50 units	0.00	1.45	0.00	1.45	0.00	1.45
51 - 100 units	0.00	2.60	0.00	2.60	0.00	2.60
LT-I (C) > 100 and Upto 200 units/Monthly						
0 - 50 units	0.00	2.60	0.00	2.60	0.00	2.76
51 - 100 units	0.00	2.60	0.00	2.60	0.00	2.76
101 - 150 units	0.00	3.60	0.00	3.60	0.00	3.82
151 - 200 units	0.00	3.60	0.00	3.60	0.00	3.82
LT-I(D): > 200 units/Month						
0 - 50 units	0.00	2.60	0.00	2.60	0.00	2.76
51 - 100 units	0.00	3.25	0.00	3.25	0.00	3.45
101 - 150 units	0.00	4.88	0.00	4.88	0.00	5.17
151 - 200 units	0.00	5.63	0.00	5.63	0.00	5.97
201 - 250 units	0.00	6.38	0.00	6.70	0.00	6.76
251 - 300 units	0.00	6.88	0.00	7.22	0.00	7.29
301 - 400 units	0.00	7.38	0.00	7.75	0.00	7.82
401 - 500 units	0.00	7.88	0.00	8.27	0.00	8.35
More than 500 units	0.00	8.38	0.00	8.80	0.00	8.88
Fixed: ₹/kW or kVA per month: Energy Charge: ₹/Unit						

Charges for LT-IV: Cottage Industries during FY2015-16

262. The Commission, while recognizing the fact that most of the rural artisans fall into this consumer category and consumption by them takes place mostly during day time (being off peak hours), has decided to exempt these consumers from the tariff hike, both fixed and energy charges, during FY2015-16. This measure shall be helpful to some extent to rural artisans, persons belonging to weaker,

vulnerable and economically backward sections of the society and the like, more particularly in rural areas.

Charges for LT-IV: Cottage Industries during FY2015-16

Consumer Category	2014-15 Current Charges		Approved by APERC for FY2015-16		Proposed by Licenses for FY2015-16	
	Fixed	Energy	Fixed	Energy	Fixed	Energy
LT-IV: Cottage Industries						
Cottage Industries	20.00	3.75	20.00	3.75	21.17	3.98
Agro Based Activities	20.00	3.75	20.00	3.75	21.17	3.98
Fixed: ₹/kW or kVA per month: Energy Charge: ₹/Unit						

Charges for LT-V: Agricultural Consumers during FY2015-16

263. The Commission keeping in view the statement of GoAP and its policy towards power supply to Agriculture, has kept the rates unchanged as proposed by the licensees for LT-V: Agricultural consumer category during FY2015-16.

Charges/Rates for LT-IV: Agricultural Consumers

Consumer Category	2014-15 Current Charges		Approved by APERC for FY2015-16		Proposed by Licenses for FY2015-16	
	Fixed	Energy	Fixed	Energy	Fixed	Energy
LT-V: Agriculture						
LT-V(A)(i): Agriculture with DSM measures						
Corporate Farmers & IT Assesses	0	2.50	0	2.50	0.00	2.50
Wet Land Farmers (Holdings >2.5 acre)	525	0.50	525	0.50	525.00	0.50
Dry Land Farmers (Connections > 3 nos.)	525	0.50	525	0.50	525.00	0.50
Wet Land Farmers (Holdings <= 2.5 acre)	0	0.00	0	0.00	0.00	0.00
Dry Land Farmers (Connections <= 3 nos.)	0	0.00	0	0.00	0.00	0.00
LT-V(A)(ii): Agriculture with Non-DSM measures						
Corporate Farmers & IT Assesses	0	3.50	0	3.50	0.00	3.50
Wet Land Farmers (Holdings >2.5 acre)	1050	1.00	1050	1.00	1050.00	1.00
Dry Land Farmers (Connections > 3 nos.)	1050	1.00	1050	1.00	1050.00	1.00
Wet Land Farmers (Holdings <= 2.5 acre)	525	0.50	525	0.50	525.00	0.50
Dry Land Farmers (Connections <= 3 nos.)	525	0.50	525	0.50	525.00	0.50
LT-V(C): Others						
Salt farming units (CL up to 15HP)	20	3.70	20	3.70	20.00	3.70
Rural Horticulture Nurseries	20.00	3.70	20	3.70	20.00	3.70
Fixed: ₹/kW or kVA per month: Energy Charge: ₹/Unit						

Charges for LT-VII (B): Religious Places during FY2015-16

264. Most of the small religious places with connected load up to 2 kW fall under this consumer category. The consumption by these small religious places normally do not exceed the consumption of a typical small household but the payments are to be met from contributions by devotees (i.e. no one individually assumes the responsibility to pay the bills). The Commission, duly takes notice of the devotional commitment of the villagers in the rural areas to these religious

places which are starved of means even for day to day maintenance and observance of religious formalities and has decided to exempt the religious places completely from the tariff hike proposed by licensees during FY2015-16.

Charges for LT-VII (B): Religious Places

Consumer Category	2014-15 Current Charges		Approved by APERC for FY2015-16		Proposed by Licenses for FY2015-16	
	Fixed	Energy	Fixed	Energy	Fixed	Energy
LT-VII(B):Religious Places (CL <= 1KW)	20.00	4.70	20.00	4.70	21.17	4.98

Charges for LT-II: Non Domestic/Commercial Consumers

265. The licensees have proposed tariff hike by 6% in energy and fixed charges for this consumer category during FY2015-16. The Commission has received several representations raising the concern that the proposed tariff hike is burdensome to small and petty traders, shop keepers, artisans and small vendors whose livelihoods dependent on tiny commercial enterprises/ activities in rural and urban areas. Most of these people generally belong to economically or socially backward or weaker sections of the society. The Commission, after considering the pleas made by the consumers and organizations and fully taking note of current tariff applicable for FY2014-15, has decided to exempt such consumers from the hike in energy charge for consumption up to 100 units per month. This will benefit all non-domestic/commercial consumers by a) exemption in respect of consumers with consumption up to 100 units per month b) exemption in respect of consumers with consumption above 100 units from hike in energy charge of the first 100 units. Further, the hike in energy charge is restricted to 5% as against 6% proposed by licensees for all consumers with consumption above 100 units per month. The hike in fixed charges by 6% as proposed by licensees has been approved whose impact will be only ₹3.00/kW or kVA during FY2015-16.

Charges/Rates for LT-II: Non-Domestic/Commercial

Consumer Category	2014-15 Current Charges		Approved by APERC for FY2015-16		Proposed by Licenses for FY2015-16	
	Fixed	Energy	Fixed	Energy	Fixed	Energy
LT-II:Non-Domestic/Commercial						
LT-II(A):Up to 50 Units/Month	50.00	5.40	53.00	5.40	53.00	5.72
LT-II(B):More than 50 Units/Months						
0-50 units	50.00	6.63	53.00	6.63	53.00	7.03
51- 100 units	50.00	7.38	53.00	7.38	53.00	7.82
101- 300 units	50.00	8.13	53.00	8.54	53.00	8.62
301- 500 units	50.00	8.63	53.00	9.06	53.00	9.15
Above 500 units	50.00	9.13	53.00	9.59	53.00	9.68
Fixed: ₹/kW or kVA per month: Energy Charge:₹/Unit						

Charges for LT-III: Industry

- 266.** The licensees have proposed tariff hike by 6% (energy and fixed/demand) for all sub groups of this consumer category during FY2015-16. Several consumers and organizations mostly belonging to sub groups other than Industry General (pisciculture/prawn culture, poultry farms, sugarcane crushing etc.,) have expressed the concern over the proposed hike stating that their activities are primarily of agriculture in nature and thus proposed tariff hike is unjust. Further they have requested for inclusion of some of these consumer categories into LT-V:Agriculture, purportedly to avail concessions available to LT-V:Agricultural consumers including free supply.
- 267.** The Commission considered the request made by the various sub groups carrying on activities traditionally considered as akin to agriculture sympathetically keeping in view the economic hardships to which these activities are subjected to and has decided to give them the possible relief by exempting them from the hike in energy charges proposed by the licensees. For the remaining two industrial categories also the Commission has decided to restrict the hike in energy charges to 5% as against 6% proposed by the licensees. However, the Commission has approved the proposed hike of 6% fixed charges for entire category which will result in a minimum increase of ₹1 to ₹3/ kW or kVA during FY2015-16. The details are given in the table below:

Charges/Rates for LT-III: Industry

Consumer Category	2014-15 Current Charges		Approved by APERC for FY2015-16		Proposed by Licenses for FY2015-16	
	Fixed	Energy	Fixed	Energy	Fixed	Energy
LT-III:Industrial						
Industry General	50.00	6.08	53.00	6.38	53.00	6.44
Seasonal(Off Season)	50.00	6.75	53.00	7.09	53.00	7.16
Pisciculture/Prawn culture	20.00	4.63	21.00	4.63	21.17	4.91
Sugarcane crushing	20.00	4.63	21.00	4.63	21.17	4.91
Poultry farms with above 1000 birds	50.00	5.63	53.00	5.63	53.00	5.97
Mushroom & Rabbit Farms	50.00	5.63	53.00	5.63	53.00	5.97
Floriculture in Green House	50.00	5.63	53.00	5.63	53.00	5.97
Fixed: ₹/kW or kVA per month: Energy Charge:₹/Unit						

Charges for All Other Consumer Categories

268. For all other consumer categories except for the consumer categories described as above in this Chapter, the increase in energy charges has been restricted to 5% against 6% proposed by the licensees in the context of views/objections/suggestions of stakeholders and also to minimize the impact of cross subsidy burden during FY2015-16. The hike in fixed/demand charges has been approved at 6% (over fixed/demand charges applicable for FY2014-15) as proposed by the licensees for FY2015-16. However, the impact of increase in fixed/demand charges is minimum on account of it being charged on capacity on monthly basis.

Rural Electric Cooperatives (RESCOs)

269. The Commission has computed the bulk supply rates to be paid by RESCOs to respective licensees based on the filings made by each RESCO for FY2015-16.

Bulk Supply Rates to RESCOs

Consumer Category	2014-15 Current Charges		Approved by APERC for FY2015-16		Proposed by Licenses for FY2015-16	
	Fixed	Energy	Fixed	Energy	Fixed	Energy
HT: RESCOs						
Kuppam	0.00	0.34	0.00	0.24	0.00	0.76
Anakapally	0.00	1.32	0.00	1.38	0.00	1.37
Chipurupally	0.00	0.55	0.00	0.22	0.00	1.37
Fixed: ₹/kW or kVA per month: Energy Charge:₹/Unit						

Reference Tariff Schedule

270. The Commission, with the rates fixed above in this Chapter, has accordingly prepared a Reference Tariff Schedule (RTS) for FY2015-16. This tariff schedule reflects the well-considered view of the Commission with regard to

charges/rates for all consumer categories after considering views/objections/suggestions of stakeholders, licensees' proposed tariff and GoAP's willingness to provide subsidies under section 65 of the Electricity Act, 2003. The complete RTS for FY2015-16 is given below:

Reference Tariff Schedule for FY2015-16		
(Rates/Charges as fixed by APERC for FY2015-16)		
Consumer Category	Charges/Rates fixed by APERC	
	Fixed/Demand Charge per Month,	Energy Charge
	₹/HP/kW/kVA	₹/Unit
LT-I:Domestic		
LT-I(A):Up to 50 Units/Month	0.00	1.45
LT-I(B):>50 and Upto 100 Units/Month		
0 - 50 units	0.00	1.45
51 - 100 units	0.00	2.60
LT-I(C) >100 and Upto 200 units/Monthly		
0 - 50 units	0.00	2.60
51 - 100 units	0.00	2.60
101 - 150 units	0.00	3.60
151 - 200 units	0.00	3.60
LT-I(D):>200 units/Month		
0 - 50 units	0.00	2.60
51 - 100 units	0.00	3.25
101 - 150 units	0.00	4.88
151 - 200 units	0.00	5.63
201 - 250 units	0.00	6.70
251 - 300 units	0.00	7.22
301 - 400 units	0.00	7.75
401 - 500 units	0.00	8.27
More than 500 units	0.00	8.80
LT-II:Non-Domestic/Commercial		
LT-II(A):Up to 50 Units/Month	53.00	5.40
LT-II(B):More than 50 Units/Months		
0-50 units	53.00	6.63
51 - 100 units	53.00	7.38
101 - 300 units	53.00	8.54
301 - 500 units	53.00	9.06
Above 500 units	53.00	9.59
LT-II©:Advertising Hoardings	53.00	11.58
LT-III:Industry		

Reference Tariff Schedule for FY2015-16		
(Rates/Charges as fixed by APERC for FY2015-16)		
Consumer Category	Charges/Rates fixed by APERC	
	Fixed/Demand Charge per Month,	Energy Charge
	₹/HP/kW/kVA	₹/Unit
Industry General	53.00	6.38
Seasonal Industries(Off season)	53.00	7.09
Pisciculture/Prawn culture	21.00	4.63
Sugarcane crushing	21.00	4.63
Poultry farms	53.00	5.63
Mushroom & Rabbit Farms	53.00	5.63
Floriculture in Green House	53.00	5.63
LT-IV: Cottage Industries and Others		
Cottage Industries	20.00	3.75
Agro Based Activities	20.00	3.75
LT-V: Agriculture		
LT-V(A)(i): Agriculture with DSM measures		
Corporate Farmers & IT Assesses	0.00	2.50
Wet Land Farmers (Holdings >2.5 acre)	525*	0.50
Dry Land Farmers (Connections > 3 nos.)	525*	0.50
Wet Land Farmers (Holdings <= 2.5 acre)	0.00	0.00
Dry Land Farmers (Connections <= 3 nos.)	0.00	0.00
LT-V(A)(ii): Agriculture with Non-DSM measures		
Corporate Farmers & IT Assesses	0.00	3.50
Wet Land Farmers (Holdings >2.5 acre)	1050*	1.00
Dry Land Farmers (Connections > 3 nos.)	1050*	1.00
Wet Land Farmers (Holdings <= 2.5 acre)	525*	0.50
Dry Land Farmers (Connections <= 3 nos.)	525*	0.50
LT-V(C):Others		
Salt farming units (CL up to 15HP)	20.00	3.70
Rural Horticulture Nurseries	20.00	3.70
LT-VI: Street Lighting and PWS		
LT-V(A): Street Lighting		
Panchayats	32.00	5.64
Municipalities	32.00	6.16
Municipal Corporations	32.00	6.69
LT-VI(B): PWS Schemes		
Panchayats	32.00	4.59
Municipalities	32.00	5.64
Municipal Corporations	32.00	6.16
LT-VII: General		
LT-VII(A): General Purpose	21.00	6.86
LT-VII(B): Religious Places (CL <=2KW)		

Reference Tariff Schedule for FY2015-16		
(Rates/Charges as fixed by APERC for FY2015-16)		
Consumer Category	Charges/Rates fixed by APERC	
	Fixed/Demand Charge per Month,	Energy Charge
	₹/HP/kW/kVA	₹/Unit
Up to 200 units	20.00	4.70
Balance Units		4.70
LT-VIII:Temporary Supply		
Temp. Supply	21.00	9.90
HT-I(A): Industrial		
11 kV	371.00	6.02
33 kV	371.00	5.57
132 kV and Above	371.00	5.15
HT-I:Lights and Fans		
11 kV	0.00	6.02
33 kV	0.00	5.57
132 kV and Above	0.00	5.15
HT-I:Industrial Colonies		
11 kV	0.00	5.96
33 kV	0.00	5.96
132 kV and Above	0.00	5.96
HT-I: Seasonal Industries		
11 kV	371.00	7.25
33 kV	371.00	6.59
132 kV and Above	371.00	6.33
HT-I:ToD Tariff		
11 kV	0.00	7.07
33 kV	0.00	6.62
132 kV and Above	0.00	6.20
HT-I(B): Ferro-alloys		
11 kV	0.00	5.68
33 kV	0.00	5.23
132 kV and Above	0.00	4.81
HT-II:Others		
11 kV	371.00	7.25
33 kV	371.00	6.59
132 kV and Above	371.00	6.33
HT-II:ToD Tariff		
11 kV	0.00	8.30
33 kV	0.00	7.64
132 kV and Above	0.00	7.38
HT-III:APTs, BSTs and Rly.Stns.		
11 kV	371.00	6.91

Reference Tariff Schedule for FY2015-16		
(Rates/Charges as fixed by APERC for FY2015-16)		
Consumer Category	Charges/Rates fixed by APERC	
	Fixed/Demand Charge per Month,	Energy Charge
	₹/HP/kW/kVA	₹/Unit
33 kV	371.00	6.31
132 kV and Above	371.00	6.01
HT-III:ToD Tariff		
11 kV	0.00	7.96
33 kV	0.00	7.36
132 kV and Above	0.00	7.06
HT-IV:Govt. LIS, Private LIS & CWSS		
HT-IV(A): Government LIS		
11 kV	0.00	5.64
33 kV	0.00	5.64
132 kV and Above	0.00	5.64
HT-IV(A): Private Irrigation and Agriculture		
11 kV	0.00	5.64
33 kV	0.00	5.64
132 kV and Above	0.00	5.64
HT-IV(B): Composite Water Supply Schemes		
11 kV	0.00	4.61
33 kV	0.00	4.61
132 kV and Above	0.00	4.61
HT-V:RailwayTraction		
	0.00	6.68
HT-VI:Townships & Colonies		
11 kV	53.00	5.96
33 kV	53.00	5.96
132 kV and Above	53.00	5.96
HT-VII:Green Power		
11 kV	0.00	11.32
33 kV	0.00	11.32
132 kV and Above	0.00	11.32
HT-VIII:Temporary		
11 kV	0.00	9.02
33 kV	0.00	8.35
132 kV and Above	0.00	7.72
HT-IX:RESCOs		
Kuppam	0.00	0.24
Anakapally	0.00	1.38
Chipurupally	0.00	0.22

NTR Sujala Padhakam

271. The licensees have proposed a new sub category to be created under LT-VI: Street Lighting and Public Water Supply titled as “NTR Sujala Padhakam” with energy tariff at ₹ 4/unit for the end use of electricity for supply of drinking water under the scheme as announced by GoAP/any other Statutor Agency. The Commission has accepted the request of the licensees with energy tariff of ₹ 4/unit and fixed charge of ₹10/HP/month. The customer charges are also applicable like other LT Consumers.

Revenue and Revenue Gap at Reference Tariff Schedule (RTS)

272. The Commission has recomputed the revenue from tariffs in accordance with the RTS at ₹22329 cr.(which is less by ₹297 cr.) compared to ₹22627 cr. revenue at tariffs proposed by the licensees during FY2015-16. The revenue gap at the RTS will be ₹186 cr. during FY2015-16 and if this revenue gap is not met either through increase in rates in RTS or from external subsidies, the licensees would incur financial loss to the tune of ₹186 cr. The details of revenue, ARR and revenue gap at RTS are given in the table below:

Revenue, ARR and Revenue Gap at RTS for FY2015-16(₹ cr)

Consumer Category	Licensee		
	SPDCL	EPDCL	Total
1. Revneue	14128.50	8200.82	22329.31
LT-I: Domestic	2393.41	1436.02	3829.42
LT-II: Non-Domestic	1340.12	694.93	2035.05
LT-III: Industry	971.83	553.20	1525.03
LT-IV: Cottage Indusries	13.75	0.88	14.63
LT-V: Agriculture	99.13	35.48	134.61
LT-VI: Street Ligting	303.70	139.26	442.96
LT-VII: General	58.65	33.77	92.42
LT-VIII: Tempoary	1.03	0.76	1.79
HT-I: Industry	7404.24	4098.26	11502.50
HT-II: Others	654.69	610.03	1264.72
HT-III: Aviation	73.78	12.55	86.33
HT-IV: Lift Irrigation	203.16	36.49	239.65
HT-V: Railway Traction	558.25	496.67	1054.92
HT-VI: Townships	28.43	21.55	49.98
HT-VII: Green Power	0.00	0.00	0.00
HT: Tempoary	15.00	0.00	15.00
HT: RESCOs	9.33	30.95	40.28
2. ARR	16446.95	9068.36	25515.31
3. Revenue Gap(3-1)	2318.45	867.54	3186.00

CHAPTER-XI FULL COST RECOVERY TARIFF DETERMINATION

Introduction

273. At the Reference Tariff Schedule (RTS) (as determined in Chapter-X of this Order), the licensees will not be able to recover ₹3186 cr. of the total approved ARR of ₹25515 cr. during FY2015-16. Hence, the Commission has endeavored to fix the tariff to recover the total approved ARR, i.e., the Full Cost Recovery Tariff Schedule (FCRTS) for FY2015-16 by considering the category wise revenue, revenue deficit/surplus and revising the charges/rates upwards from the charges/rates fixed in RTS to bridge the revenue gap of ₹3186 cr.

Classification of Consumer Categories

274. All the consumer categories have been classified into “subsidizing” and “subsidized” as follows;

Subsidizing: Consumer categories for whom the revenues at RTS are more than the allocated costs during FY2015-16.

275. Subsidized: Consumer categories for whom the revenues at RTS are less than allocated costs during FY2015-16.

Allocation of Available Surplus

276. In Stage-1, the surplus available from all subsidizing consumer categories has been used to meet the deficit of subsidized consumers in full excluding the deficit of LT-V: Agricultural Consumers. In stage-II, the remaining surplus has been allocated in full to LT-V:Agricultural consumers. Even after allocation of the available surplus to LT-V:Agriculture, this consumer category has the total deficit of ₹3186 cr. comprising of ₹2318 cr. in SPDCL and ₹868 cr. in EPDCL during FY2015-16.

Revision of Charges/Rates for LT-V: Agriculture

277. To recover the remaining deficit of ₹3186 cr. the energy charges/rates for LT-V:Agriculture have been revised uniformly for all sub categories at ₹2.91/unit in SPDCL and ₹4.58/unit in EPDCL with which the licensees will be able to recover the revenue requirement in full during FY2015-16.

278. These revised rates for LT-V: Agriculture have been substituted in RTS to make it as FCRTS with which the licensees will be able to recover the approved ARR in

full during FY2015-16. The revenue at FCRTS, approved ARR and revenue gap for FY2015-16 are given in the table below:

Revenue and Revenue Gap at FCRTS for FY2015-16

Consumer Category	Revenue, ₹cr		
	SPDCL	EPDCL	Total
(1)	(2)	(3)	(4)
Revenue	16446.95	9068.36	25515.31
LT-I: Domestic	2393.41	1436.02	3829.42
LT-II: Non-Domestic	1340.12	694.93	2035.05
LT-III: Industry	971.83	553.20	1525.03
LT-IV: Cottage Industries	13.75	0.88	14.63
LT-V: Agriculture	2417.58	903.03	3320.61
LT-VI: Street Lighting	303.70	139.26	442.96
LT-VII: General	58.65	33.77	92.42
LT-VIII: Temporary	1.03	0.76	1.79
HT-I: Industry	7404.24	4098.26	11502.50
HT-II: Others	654.69	610.03	1264.72
HT-III: Aviation	73.78	12.55	86.33
HT-IV: Lift Irrigation	203.16	36.49	239.65
HT-V: Railway Traction	558.25	496.67	1054.92
HT-VI: Townships	28.43	21.55	49.98
HT-VII: Green Power	0.00	0.00	0.00
HT: Temporary	15.00	0.00	15.00
HT: RESCOs	9.33	30.95	40.28
ARR	16446.95	9068.36	25515.31
Revenue Gap(2-1)	0.00	0.00	0.00

279. The FCRTS determined by the Commission for FY2015-16 is given in the table below:

Full Cost Recovery Tariff Schedule for FY2015-16

(Rates/Charges as determined by APERC for FY2015-16)

Consumer Category	Full Cost Recovery Rates/Charges	
	Fixed/Demand Charge per Month,	Energy Charge, ₹/Unit
	₹/HP/kW/kVA	SPDCL and EPDCL
LT-I: Domestic		
LT-I(A): Up to 50 Units/Month	0.00	1.45
LT-I(B): >50 and Upto 100 Units/Month		
0 - 50 units	0.00	1.45
51 - 100 units	0.00	2.60
LT-I(C) >100 and Upto 200 units/Monthly		

Full Cost Recovery Tariff Schedule for FY2015-16

(Rates/Charges as determined by APERC for FY2015-16)

Consumer Category	Full Cost Recovery Rates/Charges		
	Fixed/Demand Charge per Month,	Energy Charge, ₹/Unit	
	₹/HP/kW/kVA	SPDCL and EPDCL	
0 - 50 units	0.00	2.60	
51 - 100 units	0.00	2.60	
101 - 150 units	0.00	3.60	
151 - 200 units	0.00	3.60	
LT-I(D):>200 units/Month			
0 - 50 units	0.00	2.60	
51 - 100 units	0.00	3.25	
101 - 150 units	0.00	4.88	
151 - 200 units	0.00	5.63	
201 - 250 units	0.00	6.70	
251 - 300 units	0.00	7.22	
301 - 400 units	0.00	7.75	
401 - 500 units	0.00	8.27	
More than 500 units	0.00	8.80	
LT-II:Non-Domestic/Commercial			
LT-II(A):Up to 50 Units/Month	53.00	5.40	
LT-II(B):More than 50 Units/Months			
0-50 units	53.00	6.63	
51- 100 units	53.00	7.38	
101- 300 units	53.00	8.54	
301- 500 units	53.00	9.06	
Above 500 units	53.00	9.59	
LT-II(C):Advertising Hoardings	53.00	11.58	
LT-III:Industrial			
Industry General	53.00	6.38	
Seasonal Industries(Off Season)	53.00	7.09	
Pisciculture/Prawn culture	21.00	4.63	
Sugarcane crushing	21.00	4.63	
Poultry farms with above 1000 birds	53.00	5.63	
Mushroom & Rabbit Farms	53.00	5.63	
Floriculture in Green House	53.00	5.63	
LT-IV: Cottage Industries and Others			
Cottage Industries	20.00	3.75	
Agro Based Activities	20.00	3.75	
LT-V:Agriculture			
LT-V(A)(i):Agriculture with DSM measures	Equivalent flat tariff on HP basis will be	SPDCL	EPDCL
Corporate Farmers & IT Assesses		2.91	4.58

Full Cost Recovery Tariff Schedule for FY2015-16

(Rates/Charges as determined by APERC for FY2015-16)

Consumer Category	Full Cost Recovery Rates/Charges		
	Fixed/Demand Charge per Month,	Energy Charge, ₹/Unit	
	₹/HP/kW/kVA	SPDCL and EPDCL	
Wet Land Farmers (Holdings >2.5 acre)	worked out to bill the unmeterd consumes.	2.91	4.58
Dry Land Farmers (Connections > 3 nos.)		2.91	4.58
Wet Land Farmers (Holdings <= 2.5 acre)		2.91	4.58
Dry Land Farmers (Connections <= 3 nos.)		2.91	4.58
LT-V(A)(ii):Agriculture with Non-DSM measures			
Corporate Farmers & IT Assesses		2.91	4.58
Wet Land Farmers (Holdings >2.5 acre)		2.91	4.58
Dry Land Farmers (Connections > 3 nos.)		2.91	4.58
Wet Land Farmers (Holdings <= 2.5 acre)		2.91	4.58
Dry Land Farmers (Connections <= 3 nos.)		2.91	4.58
LT-V(C):Others			
Salt farming units (CL up to 15HP)	20.00	2.91	4.58
Rural Horticulture Nurseries	20.00	2.91	4.58
LT-VI:Street Lighting and PWS		SPDCL and EPDCL	
LT-V(A):Street Lighting			
Panchayats	32.00	5.64	
Municipalities	32.00	6.16	
Municipal Corporations	32.00	6.69	
LT-VI(B):PWS Schemes			
Panchayats	32.00	4.59	
Municipalities	32.00	5.64	
Municipal Corporations	32.00	6.16	
LT-VII:General			
LT-VII(A):General Purpose	21.00	6.86	
LT-VII(B):Religious Places (CL <=1KW)			
Up to 200 units	20.00	4.70	
Balance Units	0.00	4.70	
LT-VIII:Temporary Supply			
Temp. Supply	21.00	9.90	
HT-I(A): Industrial			
11 kV	371.00	6.02	
33 kV	371.00	5.57	
132 kV and Above	371.00	5.15	
HT-I:Lights and Fans			
11 kV	0.00	6.02	

Full Cost Recovery Tariff Schedule for FY2015-16

(Rates/Charges as determined by APERC for FY2015-16)

Consumer Category	Full Cost Recovery Rates/Charges	
	Fixed/Demand Charge per Month,	Energy Charge, ₹/Unit
	₹/HP/kW/kVA	SPDCL and EPDCL
33 kV	0.00	5.57
132 kV and Above	0.00	5.15
HT-I:Industrial Colonies		
11 kV	0.00	5.96
33 kV	0.00	5.96
132 kV and Above	0.00	5.96
HT-I:Seasonal Industries(Off Season)		
11 kV	371.00	7.25
33 kV	371.00	6.59
132 kV and Above	371.00	6.33
HT-I:ToD Tariff		
11 kV	0.00	7.07
33 kV	0.00	6.62
132 kV and Above	0.00	6.20
HT-I(B): Ferro-alloys		
11 kV	0.00	5.68
33 kV	0.00	5.23
132 kV and Above	0.00	4.81
HT-II:Others		
11 kV	371.00	7.25
33 kV	371.00	6.59
132 kV and Above	371.00	6.33
HT-II:ToD Tariff		
11 kV	0.00	8.30
33 kV	0.00	7.64
132 kV and Above	0.00	7.38
HT-III:APTs, BSTs and Rly.Stns.		
11 kV	371.00	6.91
33 kV	371.00	6.31
132 kV and Above	371.00	6.01
HT-III:ToD Tariff		
11 kV	0.00	7.96
33 kV	0.00	7.36
132 kV and Above	0.00	7.06
HT-IV:Govt. LIS, Private LIS & CWSS		
HT-IV(A): Government LIS		
11 kV	0.00	5.64

Full Cost Recovery Tariff Schedule for FY2015-16

(Rates/Charges as determined by APERC for FY2015-16)

Consumer Category	Full Cost Recovery Rates/Charges	
	Fixed/Demand Charge per Month,	Energy Charge, ₹/Unit
	₹/HP/kW/kVA	SPDCL and EPDCL
33 kV	0.00	5.64
132 kV and Above	0.00	5.64
HT-IV(A): Private Irrigation and Agriculture		
11 kV	0.00	5.64
33 kV	0.00	5.64
132 kV and Above	0.00	5.64
HT-IV(B): Composite Water Supply Schemes		
11 kV	0.00	4.61
33 kV	0.00	4.61
132 kV and Above	0.00	4.61
HT-V: Railway Traction		
	0.00	6.68
HT-VI: Townships & Colonies		
11 kV	53.00	5.96
33 kV	53.00	5.96
132 kV and Above	53.00	5.96
HT-VII: Green Power		
11 kV	0.00	11.32
33 kV	0.00	11.32
132 kV and Above	0.00	11.32
HT-VIII: Temporary		
11 kV	0.00	9.02
33 kV	0.00	8.35
132 kV and Above	0.00	7.72
HT-IX: RESCOs		
Kuppam	0.00	0.24
Anakapally	0.00	1.38
Chipurupally	0.00	0.22
Total		

280. In the absence of any external subsidization u/s 65 of the Electricity Act 2003, the licensees will have to charge the rates contained in the above FCRTS during FY2015-16 for retail sale of electricity to generate the revenue to meet the approved ARR for FY2015-16.

CHAPTER -XII RETAIL SUPPLY TARIFF SCHEDULE

Communication to Government of Andhra Pradesh

281. The Commission has informed the Government of Andhra Pradesh (GoAP) on 19.03.2015 with regard to requirement of external subsidy of ₹3186 cr. (SPDCL-₹2318.45 cr. and EPDC-₹867.54 cr.) for FY2015-16 towards subsidy to LT-V: Agricultural consumer category to maintain the rates as mentioned in Reference Tariff Schedule with all relevant calculations including the details of Full Cost Recovery Tariff Schedule for FY2015-16.

Provision of Subsidy by Government of Andhra Pradesh

282. The GoAP, in response to the letter from the Commission on 19-03-2015, has communicated its approval on the same day for providing a sum of ₹3186 cr. (SPDCL-₹2318.45 cr. and EPDCL-₹867.54 cr.) towards subsidy for LT-V: Agricultural consumer category.

Determination of Tariff for Retail Sale of Electricity for FY2015-16

283. The Commission, in accordance with the decisions enumerated in earlier chapters and in accordance with the approval of GoAP for providing subsidy, hereby determines the Tariff for Retail Sale of Electricity (with charges/rates mentioned in Reference Tariff Supply Tariff Schedule with minor modifications) with terms and conditions applicable with effect from 01-04-2015 to 31-03-2016 in respect of two distribution licensees (SPDCL and EPDCL) in the State of Andhra Pradesh and three Rural Electricity Cooperative Societies in the State, as hereunder:

TARIFF FOR RETAIL SALE OF ELECTRICTY DURING FY 2015-16

(Applicable with effect from 01-04-2015 to 31-03-2016 in respect of two Distribution Licensees (SPDCL and EPDCL) in the State of Andhra Pradesh and the three Rural Electricity Cooperative Societies in the State)

Consumer Category	Energy Unit	Fixed Charge	Energy Charge
		(₹/Month)	(₹/Unit)
LT-I:DOMESTIC (Telescopic)			
LT I(A):Up to 50 Units/Month	KWh		1.45
LT I(B):>50 and up to 100 Units/Month			

Consumer Category	Energy Unit	Fixed Charge	Energy Charge
		(₹/Month)	(₹/Unit)
First 50 Units	kWh		1.45
51-100 Units	kWh		2.60
LT I(C):>100 and up to 200 Units/Month			
First 50	kWh		2.60
51-100	kWh		2.60
101-150	kWh		3.60
151-200	kWh		3.60
LT I(D):Above 200 Units/Month			
First 50	kWh		2.60
51-100	kWh		3.25
101-150	kWh		4.88
151-200	kWh		5.63
201-250	kWh		6.70
251-300	kWh		7.22
301-400	kWh		7.75
401-500	kWh		8.27
Above 500	kWh		8.80
LT-II:NON DOMESTIC/COMMERCIAL			
LT II(A):Upto 50 Units/Month	kWh/kVAh	53/kW	5.40
LT II(B):Above 50 Units/Month			
First 50	kWh/kVAh	53/kW	6.63
51-100	kWh/kVAh	53/kW	7.38
101-300	kWh/kVAh	53/kW	8.54
301-500	kWh/kVAh	53/kW	9.06
Above 500	kWh/kVAh	53/kW	9.59
LT II(C):ADVERTISEMENT HOARDINGS	kWh/kVAh	53/kW	11.58
LT-III:INDUSTRY			
Industry General	kWh/kVAh	53/kW	6.38
Seasonal Industries (off season)	kWh/kVAh	53/kW	7.09
Pisciculture/Prawn culture	kWh/kVAh	21/kW	4.63
Sugarcane crushing	kWh/kVAh	21/kW	4.63
Poultry farms	kWh/kVAh	53/kW	5.63
Mushroom & Rabbit Farms	kWh/kVAh	53/kW	5.63
Floriculture in Green House	kWh/kVAh	53/kW	5.63
LT-IV:COTTAGE INDUSTRIES & OTHERS			
(A) Cottage Industries upto 10 HP	kWh	20/kW	3.75
(B) Agro Based Activity upto 10 HP	kWh	20/kW	3.75
LT-V:AGRICULTURE **			
LT-V(A):AGRICULTURE WITH DSM MEASURES			

Consumer Category	Energy Unit	Fixed Charge	Energy Charge
		(₹/Month)	(₹/Unit)
Corporate Farmers & IT Assesses	kWh		2.50
Wet Land Farmers (Holdings >2.5 acre)	kWh	525/HP/Year *	0.50
Dry Land Farmers (Connections > 3 nos.)	kWh	525/HP/Year *	0.50
Wet Land Farmers (Holdings ≤ 2.5 acre)	kWh		0.00
Dry Land Farmers (Connections ≤ 3 nos.)	kWh		0.00
LT-V(B):AGRICULTURE WITHOUT DSM MEASURES			
Corporate Farmers & IT Assesses	kWh		3.50
Wet Land Farmers (Holdings >2.5 acre)	kWh	1050/HP/Year *	1.00
Dry Land Farmers (Connections > 3 nos.)	kWh	1050/HP/Year *	1.00
Wet Land Farmers (Holdings ≤ 2.5 acre)	kWh	525/HP/Year *	0.50
Dry Land Farmers (Connections ≤ 3 nos.)	kWh	525/HP/Year *	0.50
LT-V(C):OTHERS			
Salt farming units upto 15HP	kWh	20/HP	3.70
Rural Horticulture Nurseries upto 15HP	kWh	20/HP	3.70
LT-VI:STREET LIGHTING AND PWS			
LT-VI(A):STREET LIGHTING			
Panchayats	kWh	32/kW	5.64
Municipalities	kWh	32/kW	6.16
Municipal Corporations	kWh	32/kW	6.69
LT-VI(B):PWS SCHEMES			
Panchayats	kWh/kVAh	32/HP	4.59
Municipalities	kWh/kVAh	32/HP	5.64
Municipal Corporations	kWh/kVAh	32/HP	6.16
LT-VI(C):NTR Sujala Padhakam	kWh/kVAh	10/HP	4.00
LT-VII:GENERAL			
LT-VII(A):GENERAL PURPOSE	kWh/kVAh	21/kW	6.86
LT-VII(B):RELIGIOUS PLACES (CL ≤ 2 KW)	kWh	20/kW	4.70
LT-VIII: TEMPORARY SUPPLY	kWh/kVAh	21/kW	9.90
HT-I:INDUSTRY			
HT-I(A): INDUSTRY GENERAL			
11 kV	kVAh	371/kVA	6.02
33 kV	kVAh	371/kVA	5.57
132 kV & Above	kVAh	371/kVA	5.15
INDUSTRIAL COLONIES			
11 kV	kVAh		5.96
33 kV	kVAh		5.96
132 kV & Above	kVAh		5.96
SEASONAL INDUSTRIES (off season Tariff)			

Consumer Category	Energy Unit	Fixed Charge	Energy Charge
		(₹/Month)	(₹/Unit)
11 kV	kVAh	371/kVA	7.25
33 kV	kVAh	371/kVA	6.59
132 kV & Above	kVAh	371/kVA	6.33
<i>TIME OF DAY TARIFFS (6 PM to 10 PM)</i>			
11 kV	kVAh		7.07
33 kV	kVAh		6.62
132 kV & Above	kVAh		6.20
HT-I(B):FERRO ALLOY UNITS			
11 kV	kVAh		5.68
33 kV	kVAh		5.23
132 kV & Above	kVAh		4.81
HT-II:OTHERS			
11 kV	kVAh	371/kVA	7.25
33 kV	kVAh	371/kVA	6.59
132 kV & Above	kVAh	371/kVA	6.33
<i>TIME OF DAY TARIFFS (6 PM to 10 PM)</i>			
11 kV	kVAh		8.30
33 kV	kVAh		7.64
132 kV & Above	kVAh		7.38
HT-III:AIRPORTS,BUS STATIONS AND RAILWAY STATIONS			
11 kV	kVAh	371/kVA	6.91
33 kV	kVAh	371/kVA	6.31
132 kV & Above	kVAh	371/kVA	6.01
<i>TIME OF DAY TARIFFS (6 PM to 10 PM)</i>			
11 kV	kVAh		7.96
33 kV	kVAh		7.36
132 kV & Above	kVAh		7.06
HT-IV: LIFT IRRIGATION AND CPWS			
Govt. Lift Irrigation & Agriculture	kVAh		5.64
Composite Water Supply Schemes	kVAh		4.61
HT-V:RAILWAY TRACTION			
HT-VI:TOWNSHIPS AND RESIDENTIAL COLONIES	kVAh	53/kVA	5.96
HT-VII:GREEN POWER			
HT-VIII:TEMPORARY	1.5 times of corresponding HT Category		
RURAL ELECTRIC CO-OPERATIVES			
Kuppam	kWh		0.24
Anakapalle	kWh		1.38
Chipurupalli	kWh		0.22
* Equivalent flat rate tariff per Year			

Consumer Category	Energy Unit	Fixed Charge	Energy Charge
		(₹/Month)	(₹/Unit)
** The above determined rates for LT Cat-V agriculture are contingent on payment of subsidy as agreed by the Govt., of A.P, failing which, the rates contained in the full cost recovery tariff schedule will become operative.			

TERMS AND CONDITIONS

(Applicable with effect from 01-04-2015 to 31-03-2016 in respect of the two Distribution Licensees in the State of A.P. and the three Rural Electric Cooperative Societies in the State)

The L.T. Tariffs determined in PART 'A' and H.T tariffs determined in PART 'B' below are subject to the following general condition.

The Tariffs are exclusive of Electricity duty payable as per the provisions of AP Electricity Duty Act.

PART 'A'

1 L.T. TARIFFS

System of Supply: Low Tension A.C. 50 Cycles, Three Phase Supply at 415 Volts, Single Phase supply at 240 Volts.

These tariffs are applicable for supply of Electricity to L.T consumers with a contracted load of 56 KW/75 HP and below. (However, contracted load up to 75KW/100 HP will be treated as LT, for LT-III Industrial category).

Wherever kVAh tariff is applicable, fixed charges shall be computed based on the recorded kVA or contracted load whichever is higher. In all such cases the tariff indicated as ₹/kW will be applied as ₹/kVA. As and when a consumer is billed on kVAh basis no power factor surcharge shall be levied.

1.1 L.T. CATEGORY-I: DOMESTIC

APPLICABILITY

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

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

The LT Domestic consumers are divided into four groups, viz. LT-I(A), LT-I(B), LT-I(C) and LT-I(D). The sub category LT I (A) shall be applicable to the consumers having consumption of 50 units and below per month. The sub category LT I (B) shall be applicable to the consumers having consumption of above 50 units and up to 100 units per month. The sub category LT I (C) shall be applicable to the consumers

having consumption of above 100 units and up to 200 units per month. The sub category LT I (D) shall be applicable to the consumers having consumption of above 200 units per month.

RATES

Consumers shall be billed electricity charges as shown below:	
Consumption(kWh per month)	Energy Charge
	(₹/Unit)
LT-I:DOMESTIC	
LT I(A): Upto 50 Units/Month	1.45
LT I(B):>50 and upto 100 Units/Month	
First 50 Units	1.45
51-100 Units	2.60
LT I(C):>100 and upto 200 Units/Month	
First 50	2.60
51-100	2.60
101-150	3.60
151-200	3.60
LT I(D):Above 200 Units/Month	
First 50	2.60
51-100	3.25
101-150	4.88
151-200	5.63
201-250	6.70
251-300	7.22
301-400	7.75
401-500	8.27
Above 500	8.80
Subject to monthly minimum energy charge of:	
<i>Single Phase Supply</i>	
Contracted load up to 500 W	₹25/ Month
Contracted load above 500 W	₹50/ Month
<i>Three phase supply</i>	₹150/month

1.2 L.T. CATEGORY-II- NON-DOMESTIC / COMMERCIAL

APPLICABLE FOR SUPPLY OF ENERGY TO:

- a) Consumers who undertake Non Domestic activity.
- b) Consumers who undertake Commercial activity.
- c) Consumers who do not fall in any other LT category i.e. LT-I, LT-III to LT-VIII categories.
- d) Consumers who avail supply of energy for lighting, fans, heating, air conditioning and power appliances in Commercial or Non-Domestic premises such as shops, business houses, offices, public buildings, hospitals, hostels, hotels, choultries, restaurants, clubs, theatres, cinema halls, bus stations, railway stations, timber Depots, Photo Studios, Printing Presses, etc.
- e) Educational Institutions run by individuals, Non-Government Organisations or Private Trusts and their student hostels are also classified under this category.

The L.T. Category-II- Non-domestic / Commercial consumers are divided into two groups, viz., LT-II (A) and LT II (B).

1.2.1 LT-II (A): The sub category LT-II(A) shall be applicable to the consumers having consumption of 50 units and below per month.

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

Consumers shall be billed electricity charges as shown below:		
Consumer Category	Fixed Charge	Energy Charge
	(₹/kW/ /Month)	(₹/Unit) (kVAh/kWh)
LT-II:NON DOMESTIC/COMMERCIAL		
LT-II(A):Upto 50 Units/Month	53	5.40
LT-II(B):Above 50 Units/Month		
First 50	53	6.63
51-100	53	7.38
101-300	53	8.54
301-500	53	9.06
Above 500	53	9.59
Monthly Minimum energy Charges	₹ 65 per month for Single Phase supply	
	₹ 200 per month for Three Phase supply	

1.2.3 L.T. CATEGORY-II(C) - Advertising Hoardings

APPLICABILITY

Electricity supply availed through separate(independent) connections for the purpose of advertisements, hoardings and other conspicuous consumption such as external flood light, displays, neon signs at public places (roads, railway stations, airports etc), departmental stores, commercial establishments, malls, multiplexes, theatres, clubs, hotels and other such entertainment /leisure establishments.

Rates: L.T. CATEGORY-II(C)- Advertising Hoardings		
Consumption	Fixed charge ₹/kW/Month)	Energy charges ₹/kVAh or kWh)
For all kWh or kVAh units	53	11.58
Monthly Minimum energy charges: ₹300/month		

1.3 L.T.CATEGORY-III - INDUSTRY

APPLICABILITY

The tariffs are applicable for supply of electricity to Low Tension Industrial consumers with a Contracted load of 75 kW/100 HP and below. Industrial purpose shall mean supply for purpose of manufacturing, processing and/or preserving goods for sale, but shall not include shops, business houses, offices, public buildings, hospitals, hotels, hostels, choultries, restaurants, clubs, theaters, cinemas, bus stations, railway stations and other similar premises, notwithstanding any manufacturing, processing or preserving goods for sale.

This tariff will also apply to;

- i. Water Works & Sewerage Pumping Stations operated by Government Departments or Co-operative Societies and pump sets of Railways, pumping of water by industries as subsidiary function and sewerage pumping stations operated by local bodies.
- ii. Workshops, flour mills, oil mills, saw mills, 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 GoAP.
- iv. Newspaper printing units.
- v. Poultry Farming Units.
- vi. Pisciculture and Prawn culture units.
- vii. Mushroom production units, Rabbit Farms other than those coming under LT Category - IV.
- viii. Floriculture in Green Houses.
- ix. Sugar cane crushing.

1.3.1 RATES FOR LT-III INDUSTRY

Description	Fixed Charges (₹/kW/month)	Energy Charge ₹/unit (kVAh/kWh)
Industry (General)	53	6.38
Pisciculture/Prawn culture	21	4.63
Sugarcane crushing	21	4.63
Poultry farms	53	5.63
Mushroom & Rabbit Farms	53	5.63
Floriculture in Green House	53	5.63

Notes:

a) 1 HP = 0.75 kW

b) For the purpose of billing, 1 kVA shall be treated as being equal to 1 kW.

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

d) 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 5 kW minimum load for releasing the three phase supply.

1.3.2 RATES FOR SEASONAL INDUSTRIES UNDER LT-III

Where a consumer avails supply of energy under L.T. Category-III for manufacture of sugar or ice or salt, decorticating, seed processing, fruit processing, ginning and pressing, cotton seed oil mills, tobacco processing and re-drying and for such other industries or processes as may be approved by the Commission from time to time principally during certain seasons or limited periods in the tariff year and his main plant is regularly closed down during certain months of the tariff year, he may be charged for the months during which the plant is shut down (which period shall be referred to as the off-season period) as follows.

LT III OFF Season Tariff

FIXED CHARGES

On 30% of contracted load : ₹53/kW/Month

ENERGY CHARGES

For all kVAh/kWh of energy consumed : ₹7.09

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

1.4 L.T. CATEGORY-IV

1.4.1 L.T. CATEGORY-IV (A): COTTAGE INDUSTRIES

APPLICABILITY

Applicable for supply of energy to Dhobighats & bonafide (as certified by D.E (operations)) Small Cottage Industries specifically Power Looms, Carpentry, Blacksmithy, Kanchari, Goldsmithy, Shilpi, Pottery, Mochy, Phenoyl production Units, Agarbathi Production Units, Wax Candle making Units, Papads Manufacturing Units, Leather (Chappals) making, Soap Industry, Plaster of Paris units, Laque toy making units, Pop Toys, Wood carving/toy making units, Pickles Manufacturing, Mango Jelly Units, Adda Leaf Plate Industry having connected load not exceeding 10 H.P. including incidental lighting in the premises.

RATES	
For all kWh units	₹3.75 per kWh
Fixed Charges	₹20/- per month per kW of contracted load subject to a minimum of ₹30/- per month
<i>Note: Units which exceed 10 HP connected load shall be billed at tariff specified for LT-III Industrial Category</i>	

1.4.2 L.T. CATEGORY-IV (B): AGRO BASED ACTIVITIES

APPLICABILITY

This tariff is applicable to bonafide (as certified by DE/Operations) small agro based industrial units located in rural areas covering Sisal fiber extraction co-operative units, Vermiculture, Sericulture, Mushroom growing, Rabbit farming, Sheep rearing, Emu birds farming, poultry farms with up to 1000 birds, Apiculture (honey making), Chaff-cutting and Dairy farming activities with connected load up to 10 HP (including incidental lighting load).

RATES	
For all kWh units	₹3.75 per kWh
Fixed Charges	₹20/- per month per kW of contracted load subject to a minimum of ₹30/- per month
<i>Note: Units which exceed 10 HP connected load shall be billed at tariff specified for LT-III Industrial Category. Poultry farms above 1000 birds also shall be billed at tariff specified for poultry farms under LT-III: Industry.</i>	

1.5 L.T.CATEGORY - V - Agriculture

1.5.1 L.T.CATEGORY - V (A) - Agriculture with DSM measures

Category	Purpose	Fixed charges	Energy Charge ₹/kWh
With DSM measures	Corporate Farmers & IT Assesses	0	2.50
	Wet Land Farmers (Holdings>2.5 acre)	*₹525/HP/Year	0.50
	Dry Land Farmers (Connections>3 nos.)	*₹525/HP/Year	0.50
	Wet Land Farmers (Holdings<=2.5 acre)	0	0
	Dry Land Farmers (Connections<=3 nos.)	0	0
* Equivalent flat rate tariff			

1.5.2 L.T.CATEGORY-V (B) Agriculture without DSM measures

Category	Purpose	Fixed charges	Energy Charge ₹/kWh
Without DSM measures	Corporate Farmers & IT Assesses	0	3.50
	Wet Land Farmers (Holdings>2.5 acre)	*₹ 1050/HP/Year	1.00
	Dry Land Farmers (Connections>3 nos.)	*₹ 1050/HP/Year	1.00
	Wet Land Farmers (Holdings<=2.5 acre)	*₹ 525/HP/Year	0.50
	Dry Land Farmers (Connections<=3 nos.)	*₹ 525/HP/Year	0.50
* Equivalent flat rate tariff			

Note: For LT lift irrigation schemes, if supply is made beyond 7 hrs. per day, such additional consumption shall be billed @ ₹3.50 per unit.

1.5.3 LT CATEGORY - V(C) - OTHERS

Description	Fixed charges (₹/month)	Energy Charge (₹/kWh)
Salt farming units with Connected Load upto 15HP \$	20 /HP	3.70
Rural Horticulture Nurseries with Connected Load upto 15HP \$	20 /HP	3.70
\$ -Units with connected load more than 15 HP shall be billed under LT Category III - Industry General tariff		

1.6 L.T. CATEGORY-VI STREET LIGHTING, PWS SCHEMES AND NTR SUJALA PADHAKAM

APPLICABILITY

Applicable for supply of energy for lighting on public roads, streets, thoroughfares including parks, markets, cart-stands, taxi stands, bridges, PWS schemes in the Local Bodies viz., Panchayats/Municipalities/Municipal Corporations and NTR Sujala Padhakam (drinking water schemes notified by the Govt. of AP and/or concerned statutory authority). Metering is compulsory irrespective of tariff structure. The Composite Water Supply Schemes (CWSS) operated and / or maintained by local bodies (Panchayats, Municipalities and Corporations) shall be billed at LT-VI (B):PWS Scheme tariff.

RATES:

1.6.1 LT-VI (A) STREET LIGHTING:

Category	Energy Charges ₹/kWh	Fixed Charges ₹/month
Panchayats	5.64	32/kW
Municipalities	6.16	32/kW
Municipal Corporations	6.69	32/kW
Minimum energy charges		
Panchayats	₹2 per point per month	
Municipalities/Corporations	₹6 per point per month	

1.6.2 LT - VI (B) PWS SCHEMES:

Category	Fixed Charge (₹/Month)	Energy Charge (₹/kVAh or kWh)
Panchayats	₹32/HP of contracted load subject to a minimum of	4.59
Municipalities	₹32/HP of contracted load subject to a minimum of	5.64
Municipal Corporations	₹32/HP of contracted load subject to a minimum of	6.16

1.6.3 LT - VI (C) NTR SUJALA PADHAKAM:

Consumer Category	Energy Unit	Fixed Charge (₹/Month)	Energy Charge (₹/Unit)
LT-VI(C):NTR Sujala Padhakam	kWh/kVAh	10/HP	4.00

1.7 L.T. CATEGORY-VII

1.7.1 L.T -VII (A) - GENERAL PURPOSE

APPLICABILITY

Applicable for supply of energy to places of worship like Churches, Temples, Mosques, Gurudwaras, Crematoriums, Government Educational Institutions and Student Hostels run by Government agencies, Charitable Institutions i.e., Public charitable trusts and societies registered under the Societies Registration Act running educational and medical institutions on a no profit basis, recognized service institutions and registered old age homes.

RATES	
For all the kVAh/kWh Consumed	₹ 6.86 per kVAh/kWh
Fixed Charge	₹ 21/kW per Month
Minimum energy charges	₹ 50 per month for single phase supply
	₹150 per month for three phase supply
<i>Note:</i> Trivector meters shall be provided for all 10 kW and above services. Energy charges shall be billed on kVAh for all 10 kW & above services. For loads below 10kW, energy charges shall be billed on kWh basis.	

1.7.2 L.T. CATEGORY-VII (B) -RELIGIOUS PLACES

APPLICABILITY

Applicable for supply of energy to places of worship such as Churches, Temples, Mosques, Gurudwaras and Crematoriums with connected load up to 2 kW. If the connected load is more than 2 kW, the consumers will be billed under LT Category VII (A): General Purpose.

RATES

L.T. CATEGORY-VII (B) -RELIGIOUS PLACES	
For all units energy	₹ 4.70 /kWh of
Fixed charges	₹ 20/kW/Month
Minimum energy charges shall not be levied on LT-VII(B): Religious Places	

1.8 L.T. CATEGORY-VIII: TEMPORARY SUPPLY:

RATES	
For all the kVAh/kWh	₹ 9.90 per kVAh/kWh
Minimum energy Charges	₹125 per kW or part thereof of contracted load for first 30 days or part thereof and ₹75 per kW or part thereof of contracted load for very subsequent period of 15 days or part thereof.
Fixed Charges	₹21/kW/month
Note: a) Trivector meters shall be provided for all 10 kW and above services. b) Energy charges shall be billed on kVAh for all 10 kW and above services. c) For loads below 10 kW, energy charges shall be billed on kWh basis.	

2. TERMS & CONDITIONS OF LT SUPPLY

GENERAL CONDITIONS OF L.T.TARIFF

1. Up to 5 kW of Contracted Load supply will be extended on single phase only.
2. The Tariffs are exclusive of Electricity duty payable as per the provisions of AP Electricity Duty Act.
3. 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.
4. Additional Charges for belated payment of Bills.

ADDITIONAL CHARGES FOR BELATED PAYMENT OF CHARGES

a) The C.C. bills shall be paid by the consumers within the due date mentioned in the bill, i.e. 15 days from date of the bill.

b) In case of LT- I(all sub-groups), LT-II(A) with Contracted Load up to 1 kW and LT-IV, if payment is made after due date, the consumers are liable to pay Delayed Payment Surcharge (DPS) per month on the bill amount at the rates given in table below.

LT - I(A)	₹10/month
LT-I(B), LT(C), LT(D), LT II (A) with Contracted Load up to 1kW and LT-IV	₹25/month

c) In case of LT- II(A) (having contracted load more than 1 kW), LT- II(B), LT-II(C), LT-III, LT-VI and LT-VII, the Licensee shall levy Delayed Payment Surcharge (DPS) on the bill amount at the rate of 5 paise/₹100/day calculated from the due date mentioned on the bill, up to the date of payment or ₹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.

d) If the C.C. bills amount is not paid within 15 days from the due date, the power supply is liable for disconnection.

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

3 CATEGORY-WISE SPECIFIC CONDITIONS OF L.T.TARIFF

(1) LT. CATEGORY - I (DOMESTIC)

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

b). For common services like water supply, common lights in corridors and supply for lifts in multistoried buildings, consumers shall be billed electricity charges as follows:

i)At L.T.Category-LT-I(B)/LT-I(C)/LT-I(D) if the plinth area occupied by the domestic consumers is 50% or more of the total plinth area.

ii)At L.T.Category-II(B), if the plinth area occupied by the domestic consumers is less than 50% of the total plinth area.

iii)If the service in a flat is for domestic purpose, it will be charged at L.T. Category -I(A) / LT-I(B)/LT-I(C) or LT-I(D) Domestic as applicable. If the service in a flat is for commercial or office use or any other purpose, which does not fall under any L.T.Category I(A) / LT-I(B)/LT-I(C) or LT- I(D) Domestic, it will be charged at L.T.Category-II(A) or II(B)Non-Domestic/ Commercial as per applicable.

c). Single Point LT services released to residential complexes of State Government/Central Government Departments under specific orders of Licensee with Contracted Load/ Connected Load in excess of 56 kW/75HP

shall continue to be billed under LT-I (D) Domestic tariff slab rate applicable based on the average monthly energy consumption per each authorized dwelling i.e., total energy consumption in the month divided by the number of such dwelling units, in the respective residential complexes.

The above orders are subject to the following conditions, namely:

- i. Orders are applicable to Police Quarters and other State/Central Government residential complexes specifically sanctioned by the Licensee.
- ii. Provided that, it is at the request of the designated officer, who shall give an unconditional undertaking that he will pay up the bill for CC charges to the Licensee irrespective of collection from the individual occupants.
- iii. The consumers shall be billed at the appropriate slab rate in tariff based on the average monthly consumption per dwelling unit in the complex.
- iv. Meter reading shall be taken monthly in all such cases.
- v. Customer charges calculated at corresponding rate applicable slab-wise per month for each dwelling unit shall be billed.

d).Where an individual consumer seeks to avail supply for Domestic purpose with a connected load of over 56 kW/75 HP, such consumers may be given supply under this category subject to the following conditions.

i)The metering shall be provided by the DISCOMs on HT side of the distribution transformer.

ii)Meter reading shall be done monthly and the energy recorded in the HT metering shall be billed at tariff rates under LT-I(D):Domestic.

(2) LT. CATEGORY -II NON-DOMESTIC/ COMMERCIAL

1. For loads 10 kW and above, a LT tri-vector meter shall be provided and energy charges shall be billed on kVAh.
2. For loads below 10 kW, the billing shall be based on kWh.

The connected load shall not exceed the contracted load specified in the agreement as per sanction accorded for the service.

3. The fixed charges shall be computed based on contracted Load or actual Recorded Demand whichever is higher.
4. For the purpose of billing, 1 kVA shall be treated as being equal to 1 kW.
5. In respect of the complexes having connected load of more than 56kW/75HP released under specific orders of Licensee for Single Point Bulk supply, where such complex is under the control of a specified organisation/agency taking responsibility to pay monthly current consumption bills regularly and abide by the Terms and Conditions

of supply as per agreement, the billing shall be done at the highest slab tariff rate under LT-II (B). The energy shall be measured on the High Tension side of the transformer. In case, where energy measured on LT side of the transformer, 3% of the recorded energy during the month shall be added to arrive at the consumption on High Tension side of the transformer.

(3) LT - III INDUSTRY CATEGORY

1) The connected load shall not exceed the contracted load specified in the agreement as per sanction accorded for the service. The fixed charges shall be computed based on contracted Load or actual Recorded Demand whichever is higher. For the purpose of billing, 1 kVA shall be treated as being equal to 1 kW.

2) Sugarcane Crushing

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

3) Metering and load Conditions

- I. A LT Tri-vector meter shall be provided for the consumers with contracted load of 15 kW/20 HP to 37.5 kW/50 HP.
- II. For loads above 37.5 kW/50 HP to 75 kW/100 HP, the metering will be provided on HT side of the Distribution Transformer.
- III. Energy charges shall be billed on kVAh basis, for all consumers with contracted load of 15 kW/20 HP and above. For loads below 15 kW/20 HP, billing shall be done based on kWh.
- IV. iv.If the recorded demand of any service connection under this category exceeds the 75 kVA (1 kVA = 1 kW), such excess demand shall be billed at the demand charge prescribed under HT Category-I (11 kV supply).
- V. In cases where metering is provided on LT side of transformer (due to space constraints), 3% of the recorded energy during the month shall be added to arrive at the consumption on High Tension side of the transformer.

(4) SEASONAL INDUSTRIES

- i. Consumers, classified as seasonal load consumers, who are desirous of availing the seasonal benefits shall specifically declare their season at the time of entering into agreement that their loads should be classified as seasonal loads.
- ii. The period of season shall not be less than 4(four) continuous months. However, consumer can declare longer seasonal period as per actuals.

- iii. Existing eligible consumers who have not opted earlier for availing of seasonal tariffs will also be permitted to opt for seasonal tariff on the basis of application to the concerned Divisional Engineer of the Licensee.
- iv. Consumer, who desires to have a change in the period classified as “season” declared by him, shall file a declaration at least a month before commencement of the respective tariff year.
- v. The seasonal period once notified cannot be changed, during one Tariff year.
- vi. The off-season tariff is not available to composite units having seasonal and other categories of loads.
- vii. Any consumer who after declaring the period of season consumes power for his main plant during the off-season period, shall not be entitled to this concession during that tariff year.
- viii. Development charges as applicable to regular LT consumers shall be paid by the consumers for availing supply under the above said category with seasonal benefits. Consumers who have paid the development charges already as regular consumers need not pay the development charges.
- ix. Energy charges shall be billed on kVAh for all 15 kW & above services. For all loads below 15 kW, energy charges shall be billed on kWh.

(5) LT CATEGORY-V: AGRICULTURE

- i. Agricultural consumers are permitted to use one lamp of 15 watts or three lamps of 5 watts each, near the main switch as pilot lamps.
- ii. Supply to the L.T. Agricultural services will be suitably regulated as notified by Licensee from time to time.
- iii. The Farmers eligible for free supply under Dry Land as well as Wet Lands have to comply with the following Demand Side Management measures (DSM) as applicable for his pumping system viz., submersible and surface pump sets in which they shall not be eligible for free supply.
- iv. DSM measures include frictionless foot valve, capacitor of adequate rating, HDPE or RPVC piping at suction and/or delivery and ISI marked mono- block or submersible pump-sets.
- v. Farmers in dry land areas shall not be eligible for free supply if they grow Paddy in second crop.
- vi. All new connections shall be given only with DSM measures implemented and with meters.

(6) LT-CATEGORY VI: STREET LIGHTING and PWS

LT-VI (A) STREET LIGHTING:

- iii. The cost of fittings shall be borne or paid for by Local Bodies. The responsibility for maintenance including renewals and replacements rests with the Local Bodies viz., Panchayats, Municipalities and Municipal Corporations.
- iv. Where the cost of fittings is borne by the Licensee, the first supply of filament lamps, fluorescent tubes, mercury vapour lamps including special type lamps along with their fittings will be made by the Licensee at its cost. In such cases, consumer (Local Bodies) will have to pay fixed charges as in column (3) below. However, where the cost of fittings is borne by the consumer but maintenance is done by the Licensee, the consumer will have to pay fixed charges as in Column (4) below:

Sl. No	Fittings for	Fixed charges Per Month where the cost of fittings is borne by Licensee (₹)	Fixed charges per month where the cost of fittings is borne by the Local Body but maintenance by Licensee (₹)
(1)	(2)	(3)	(4)
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

- i. The replacement of filament lamps, fluorescent tubes, mercury vapour and other special type of lamps will be done by the Local Body at its cost.
- ii. However, in urban areas till such time the Municipalities and Corporations make their own arrangements for such replacements, the Licensee may, if the consumer so desires, carry out the replacement provided the Local Body supplies the lamps and tubes. The consumer will in such cases be billed labour charges at the rate of ₹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 'Rural Area'.
- iii. 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, Municipalities Act or Gram Panchayat Act on the poles, lines, transformers and other installations erected in its area. .

(7) LT-CATEGORY- VIII: TEMPORARY SUPPLY

(1). Requests for temporary supply of energy cannot normally be considered unless there is a clear notice of at least one week in the case of domestic and three months in case of other types of supply. If supply is required at a short notice, in addition to the charges mentioned below, an urgency charge, as specified in clause V (h) is also to be paid.

(2). 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.

(3). (a) Estimated cost of the works as mentioned in Para (2) 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.

(4).(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 3(a), the estimated consumption charges at the rate stipulated in Tariff Order for Temporary supply and worked out on the basis for use of electricity by the consumer for 6 hours per day for a period of 2 months in case the supply is required for more than 10 days. If the period of temporary supply is for 10 days or less, the advance consumption charges for the actual period requisitioned shall be paid.

(b) The Bill for electricity consumed in any month shall be prepared at the tariff applicable plus hire charges as mentioned in 3(b) above. The consumers have to pay monthly CC charges regularly during the period of availing temporary supply and the estimated energy consumption deposit shall be adjusted with the last month consumption and the balance, if any, shall be refunded.

(c) In the case of consumers requiring temporary supply for the purposes of Cinema, the estimated energy charges for a minimum period of 3 months shall have to be deposited by the consumer subject to the condition that the consumer shall pay every month energy and other miscellaneous charges for the preceding month and the amount deposited by him in advance shall be adjusted with the last month consumption and the balance amount shall be refunded.

(d) In the event of estimated energy charges deposited by the consumer having been found insufficient, the consumer shall deposit such additional amount, as may

be demanded by the Licensee failing which the Licensee may discontinue the supply of electricity.

(5). 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.

(6). Regular consumers requiring temporary additional supply

In cases where consumers availing regular supply of energy require additional supply for temporary period, the additional supply shall be given as a temporary service under a separate connection and charged as such in accordance with the above procedure.

4 OTHER CHARGES IN L.T.

I.SERVICE CONNECTION CHARGES

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

Service connection wires for LT Category-V Irrigation and Agricultural purposes shall be laid collecting an amount of ₹25/- per HP of contracted load towards service connection charges.

II.RECONNECTIONS

(a)Low Tension Services.	
LT - I(A) (Overhead)	₹25
Other LT Services (Overhead)	₹75
U.G. Services	₹200

III. TESTING

(a)Installations	LT
The first test and inspection of a new installation or of an extension to an existing installation.	Nil
Charges payable by the consumer in advance for each subsequent test and/or inspection if found necessary owing to any fault in the installation or to non-compliance of the conditions of supply	₹20
(b)Meters	LT
A.C. Single Phase Energy meter	₹100
A.C. Three Phase Energy meter	₹300
LT Tri Vector meter	₹2000

IV. Service Calls

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

V. MISCELLANEOUS CHARGES

(a)Application Registration Fees	
(i)For LT Agricultural & Domestic	₹25
(ii)For all other LT Categories	₹50
(b)Revision of estimates	₹10

(c) Fee for re-rating of consumer's installation at the request of the consumer. This does not include the additional charges payable by the consumer for increasing his connected load in excess of the contracted load, as provided in General Terms and conditions of supply.	₹20
(d) Resealing of	
(i) L.T. Meter Cut outs in the consumer's Premises	₹5
(ii) M.D. Indicator meters and other apparatus in the consumer's premises For all other LT Categories	₹100
The aforesaid charges do not include the additional charges payable by the consumer for breaking the seals	
(e) For changing meter only at the request of the consumer (where it is not necessitated by increase in demand permanently)	₹25
(f) For changing or moving a meter board	Actual cost of material and labour plus 25% supervision charges on cost of materials and labour
(g) Customer Charges	
Consumer Category	₹ /month
LT-I Domestic (Units/month)	
0 - 50	25
51 - 100	30
101 - 200	35
201 - 300	40
>300	45
LT-II Non-Domestic /Commercial (Units/month)	
0-50	30
51-100	35
>100	40
LT-II(C) Advertising Hoardings	45

LT-III Industry upto 20 HP	50
LT-III Industry 21 - 50 HP	200
LT-III Industry 51 - 100	750
LT-VII - General Purpose	40
LT-VIII-Temporary Supply	40
All other LT categories	30
(h)Urgency charges for temporary supply at short notice	₹100
(i) Special rates chargeable for theft/pilferage and malpractice cases	
As per the General Terms and Conditions of Supply (GTCS) approved by them Commission from time to time.	
(j)Supervision/Inspection & checking charges	
For LT I(A) Domestic	₹100
For LT I(B) I(C) & I(D) Domestic	₹100
LT Agricultural	₹100
For all other LT Categories	₹100

VI. MISCELLANEOUS WORKS IN L.T.

The charges for any work which the Licensee may be required to undertake for the consumer and which is not included in the foregoing schedule, shall be the actual cost of labour and material plus 25% on cost of labour and material to cover overhead charges. The aforesaid charges shall be paid by the consumer in advance.

VII. POWER FACTOR APPARATUS AND CAPACITOR SURCHARGE FOR L.T.

(1) Every LT consumers not provided with trivector meters, except LT-I Domestic, using induction motors and/or welding transformers shall install shunt capacitors of the rating specified by the Licensees in the General Terms and Conditions of Supply (GTCS) approved by the Commission from time to time. In case the rated capacity of the induction motor or welding transformer falls in between the steps of the stipulated ratings, the capacitors suitable for the next higher step shall be installed by the consumer.

(2) The failure on the part of the consumer with the above requirement shall be treated as violation of the General terms and conditions of supply and the Licensee can terminate the contract and collect the sum equivalent to the minimum charges for the balance initial period of agreement, apart from disconnection of supply as provided in the General Terms and Conditions of Supply.

(3) In the case of LT consumers (except LT Domestic , LT - IV , LT VI (A) , LT - VII (B)) not covered by kVAh billing , if during inspection, no capacitor is found or the capacitors already installed are found damaged or having defect or ceased to function, such consumer shall be liable to pay capacitor surcharge @ 25% of the monthly bill amount, as per the terms and conditions of supply notified by the

licensee and Licensees shall not levy LPF surcharge.

(4) In the case of LT consumers (except LT Domestic) not covered by kVAh billing, if during inspection, no capacitor is found, or the capacitors already installed are found to be damaged or having defect or ceased to function, such consumer shall be liable to pay surcharge @ 25% of the monthly bill amount, as per the terms and conditions of supply notified by the Licensee.

(5) LT consumers, except LT-I Domestic, who are provided with metering capable of measuring active and reactive power under the orders of the Commission, shall maintain their power factor preferably in between 0.95 lag and 0.95 lead in the interest of the system security. The consumers should not maintain the power factor on leading side less than 0.95. If any consumer maintain the power factor less than 0.95 lead for a period of 2 consecutive months, it must be brought back in the range of + or -0.95 within a period of 3 months failing which without prejudice to such other rights as having accrued to the licensee or any other right of the Licensee the supply to the consumer may be discontinued. However, for the purpose of kVAh billing leading kVARh shall be blocked.

5

PART B

5.1 H.T. TARIFFS

These tariffs are applicable for supply of Electricity to H.T. Consumers having loads with a contracted demand of 70 kVA and above and/or having a contracted load exceeding 56kW/75 HP excluding LT-III industrial categories.

5.1.1 H.T. CATEGORY - I (INDUSTRY)

APPLICABILITY

This tariff is applicable for supply to all H.T. consumers using electricity for industrial purpose. Industrial purpose shall mean manufacturing, processing and/or preserving goods for sale, but shall not include shops, Business Houses, Offices, Public Buildings, Hospitals, Hotels, Hostels, Choultries, Restaurants, Clubs, Theatres, Cinemas, Printing Presses, Photo Studios, Research & Development Institutions, Airports, Bus Stations, Railway Stations and other similar premises (The enumeration above is illustrative but not exhaustive) not withstanding any manufacturing, processing or preserving goods for sale.

This tariff will also apply to;

- i. Water Works & Sewerage Pumping Stations operated by Government Departments or Co-operative Societies and pump sets of Railways, pumping of water by industries as subsidiary function and sewerage pumping stations operated by local bodies.
- ii. Workshops, flour mills, oil mills, saw mills, Ice candy, Ice manufacturing units with or without sale outlets.
- iii. The Information Technology (IT) units identified and approved by the Consultative Committee on IT Industry (CCITI) constituted by GoAP.

- iv. Newspaper printing units.
- v. Poultry Farming.
- vi. Pisciculture and Prawn culture units.

HT - I (A) INDUSTRY - GENERAL

DEMAND CHARGES & ENERGY CHARGES		
Voltage of Supply	Demand Charges ₹/kVA/month of Billing Demand	Energy Charges ₹/kVAh *
132 kV and above	371	5.15
33 kV	371	5.57
11 kV	371	6.02

* ₹1.05/kVAh Time of Day Tariff is leviable on energy consumption during the period from 06:00 PM to 10:00 PM, in addition to the normal energy charges at respective voltages.

5.1.2 HT-I (B) FERRO ALLOY UNITS

DEMAND CHARGES & ENERGY CHARGES		
Voltage of Supply	Demand Charges ₹/kVA/month of Billing Demand	Energy Charges ₹/kVAh
132 kV and above	Nil	4.81
33 kV	Nil	5.23
11 kV	Nil	5.68

5.1.3 Colony Consumption

- a) The consumption of energy exclusively for the residential colony/ township in a month, separately metered with meters installed by the consumer and tested and sealed by the Licensee shall be billed at ₹5.96 per kVAh.
- b) In case segregation of colony consumption has not been done, 15% of the total energy consumption shall be billed at ₹5.96 per kVAh and the balance kVAh shall be charged at the corresponding energy tariff under HT category -I (A).
- c) Wherever possible colonies of Industry shall be given a separate HT service under HT Category-VI (Townships and Residential Colonies).

5.1.4 Rates for Seasonal Industries coming under HT-I (A)

Where a consumer avails supply of energy for manufacture of sugar or ice or salt, decorticating, ginning and pressing, cotton seed oil mills, seed processing, fruit processing, tobacco processing and re-drying and for such other industries or processes as may be approved by the Commission from time to time principally

during certain seasons or limited periods in the tariff year and his main plant is regularly closed down during certain months, he shall be charged for the months during which the plant is shut down (which period shall be referred to as the off-season period) as follows under H.T. Category-II rates.

Demand Charges & Energy Charges For Off Season Tariff

DEMAND CHARGES & ENERGY CHARGES		
Voltage of Supply	Demand Charges ₹/kVA /month of Billing Demand #	Energy Charges ₹/kVAh
132 kV and above	371	6.33
33 kV	371	6.59
11 kV	371	7.25
#Based on the Recorded Maximum Demand or 30% of the Contracted Demand whichever is higher		

5.2 H.T. CATEGORY-II: OTHERS

APPLICABILITY

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

DEMAND CHARGES & ENERGY CHARGES		
Voltage of Supply	Demand Charges ₹/kVA/month of Billing Demand	Energy Charges ₹/kVAh *
132 kV and above	371	6.33
33 kV	371	6.59
11 kV	371	7.25
* ₹1.05/ kVAh Time of Day Tariff is leviable on energy consumption during the period from 06:00 PM to 10:00 PM , in addition to the normal energy charges at respective voltages		

Note: In respect of Government controlled Auditoriums and Theatres run by public charitable institutions for purpose of propagation of art and culture which are not let out with a profit motive and in respect of other Public Charitable Institutions rendering totally free service to the general public, the overall kVAh rate (including customer charges) may be limited to the tariff rates under L.T. Category-VII General purpose, in specific cases as decided by the Licensee.

5.3 H.T. CATEGORY-III: AIRPORTS, RAILWAY STATIONS AND BUS STATIONS

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

DEMAND CHARGES & ENERGY CHARGES		
Voltage of Supply	Demand Charges ₹/kVA/ month of Billing Demand	Energy Charges ₹/kVAh *
132 kV and above	371	6.01
33 kV	371	6.31
11 kV	371	6.91

* ₹1.05/ kVAh Time of Day (ToD) Tariff is leviable on energy consumption during the period from 06:00 PM to 10:00 PM, in addition to the normal energy charges at respective voltages.

5.4. H.T CATEGORY-IV IRRIGATION & CPWS

5.4.1 H.T-IV (A): LIFT IRRIGATION AND AGRICULTURE

This tariff is applicable to lift irrigation schemes managed by Government of A.P. and for consumers availing H.T. supply for Irrigation and Agricultural purposes.

ENERGY CHARGES:

For all kVAh consumed during the month - ₹5.64/kVAh

5.4.2 H.T-IV (B) - COMPOSITE PROTECTED WATER SUPPLY SCHEMES

APPLICABILITY

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

Energy Charges : ₹4.61/kVAh

Minimum Charges : ₹300/kVA/Year

5.5 H.T. CATEGORY-V - RAILWAY TRACTION

APPLICABILITY

This tariff is applicable to all H.T. Railway Traction Loads.

DEMAND CHARGES - Nil

ENERGY CHARGES

For all kVAh units consumed: ₹6.68/kVAh

5.6 HT CATEGORY-VI-TOWNSHIPS AND RESIDENTIAL COLONIES

APPLICABILITY

This tariff is applicable exclusively for (i) Townships and Residential colonies of Cooperative group housing societies who own the premises and avail supply at single point for making electricity available to the members of such society residing in the same premises at HT (ii) any person who avails supply at single point at HT for making electricity available to his employees residing in contiguous premises, the supply in all cases being only for domestic purposes, such as lighting, fans, heating etc., provided that the connected load for common facilities such as non-domestic supply in residential area, street lighting and water supply etc., shall be within the limits specified hereunder:

Water Supply & Sewerage and Street Light put together	10% of total connected load
Non-domestic/Commercial General purpose put together	10% of total connected load

DEMAND CHARGES & ENERGY CHARGES		
Voltage of Supply	Demand Charges ₹/kVA/month of Billing Demand	Energy Charges ₹/kVAh
All voltages	53	5.96

5.7 HT CATEGORY - VII - GREEN POWER

APPLICABILITY

Green Power Tariff is applicable to all consumers who wish to avail of power from non-conventional sources of energy voluntarily, and show their support to an environmental cause.

Energy Charges : ₹11.32 /kVAh

Notes:

The Tariff shall be an optional Tariff

A consumer shall be entitled to Renewable Energy Certificates (RECs) as may be admissible.

5.8 HT CATEGORY - TEMPORARY

DEMAND CHARGES & ENERGY CHARGES		
Voltage of Supply	Demand Charges ₹/kVA/month of Billing Demand	Energy Charges ₹/kVAh
132 kV and above	1.5 Times of the Corresponding HT Consumer Category	
33 kV		
11 kV		

5.9 RURAL ELECTRIC CO-OPERATIVE SOCIETIES

DEMAND CHARGES & ENERGY CHARGES		
Voltage of Supply	Demand Charges ₹/kVA/ month of Billing Demand	Energy Charges ₹/kWh
Anakapalle	Nil	1.38
Chipurupalli	Nil	0.22
Kuppam	Nil	0.24
1. Rescos, being a Licensee, shall, as far as possible maintain a power factor of +/- 0.95 at their drawal points. 2. No penal charges shall be made applicable. 3. Customer charge is not applicable.		

6 H.T. SUPPLY- GENERAL CONDITIONS:

(1) The tariffs are exclusive of Electricity duty payable as per the provisions of AP Electricity Duty Act

(2) Voltage of Supply

The voltage at which supply has to be availed by:

i) HT consumers, seeking to avail supply on common feeders shall be:

For Total Contracted Demand with the Licensee and all other sources.	
Upto 1500 kVA	11 kV
1501 kVA to 5000 kVA	33 kV
Above 5000 kVA	132 kV or 220 kV as may be decided by Licensee

ii) HT Consumers seeking to avail supply through independent feeders from the substations where transformation to required voltage takes place shall be:

For total contracted Demand with the licensees and all other sources.	
Upto 2500 kVA	11 kV
2501 kVA to 10,000 kVA	33 kV
Above 10000 kVA	132 kV or 220 kV as may be decided by Licensee
The relaxations are subject to the fulfillment of following conditions:	
i) The consumer should have an exclusive dedicated feeder from the substation where transformation to required voltage takes place.	
ii) The consumer shall pay full cost of the service line including take off arrangements at substation.	
iii) In case of HT-I, HT-II and HT-III consumer categories, for whom the voltage wise tariff is applicable, the Licensee shall levy the tariff as per the actual supply voltage.	

(3). Voltage Surcharge

H.T. consumers who are now getting supply at voltage different from the declared voltages and who want to continue taking supply at the same voltage will be charged as per the rates indicated below:

Sl.No	Contracted Demand with Licensee and other sources (in kVA)	Voltage at which Supply should be availed (in kV)	Voltage at which consumer is availing supply (in kV)	Rates % extra over the normal rates	
				Demand Charges	Energy Charges
(A) For HT Consumers availing supply through common feeders					
1.	1501 to 5000	33	11	12%	10%
2.	Above 5000	132 or 220	66 or Below	12%	10%
(B) For HT Consumers availing supply through independent feeders					
1	2501 to 10000 kVA	33	11	12%	10%
2	Above 10000 kVA	132 or 220	66 or Below	12%	10%
Note: In case of consumers who are having supply arrangements from more than one source, the RMD or CMD only with the Licensee, whichever is higher shall be the basis for levying voltage surcharge.					

(4). MAXIMUM DEMAND

The maximum demand of supply of electricity to a consumer during a month shall be twice the largest number of kilo-volt- ampere hours (kVAh) delivered at the point of supply to the consumer during any consecutive 30 minutes in the month. However, for the consumers having contracted demand above 4000 kVA the maximum demand shall be four times the largest number of kilo-volt-ampere-hours (kVAh) delivered at the point of supply to the consumer during any consecutive 15 minutes in the month.

(5). BILLING DEMAND

The billing demand shall be the maximum demand recorded during the month or 80% of the contracted demand whichever is higher, except HT-VI category i.e., Townships & Residential Colonies. For HT-VI category the minimum billing condition of 80% of the contracted demand shall not be applicable.

(6). MONTHLY MINIMUM CHARGES

Every consumer whether he consumes energy or not shall pay monthly minimum charges calculated on the billing demand plus energy charges specified for each category in this part to cover the cost of a part of the fixed charges of the Licensee.

(7). ADDITIONAL CHARGES FOR MAXIMUM DEMAND IN EXCESS OF THE CONTRACTED DEMAND:

If in any month the Recorded Maximum Demand (RMD) of the consumer exceeds his contracted demand with Licensee, the consumer will pay the following charges on excess demand and energy.

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 Category-HT-V (Railway Traction), the energy charges shall be computed at 1.05 times of normal charges on the entire consumption if RMD exceeds 120% of Contracted Demand.

(8). 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/₹100/day or ₹550 whichever is higher. In case of grant of installments, the Licensee shall levy interest at the rate of 18% per annum on the outstanding amounts, compounded annually and the two shall not be levied at the same time.

(9). CUSTOMER CHARGES

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

(10). 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 + or - 0.95 within a period of 3 months failing which without prejudice to such other rights as having accrued to the licensee or any other right of the Licensee the supply to the consumer may be discontinued. However, for the purpose of kVAh billing leading kVArh shall be blocked.

6. H.T. SUPPLY SPECIFIC CONDITIONS

(1) H.T-I (A)-INDUSTRY - GENERAL

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

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

(2) H.T-I (B)-FERRO ALLOY UNITS

Guaranteed energy off-take at 6701 kVAh per kVA per annum on Average Contracted Maximum Demand or Average Actual Demand whichever is higher. The energy falling short of 6701 kVAh per kVA per annum will be billed as deemed consumption.

(2) H.T INDUSTRY: SEASONAL INDUSTRIES

- i. Consumers, classified as seasonal load consumers, who are desirous of availing the seasonal benefits shall specifically declare their season at the time of entering into agreement that their loads should be classified as seasonal loads.
- ii. The period of season shall not be less than 4 (four) continuous months. However, consumer can declare longer seasonal period as per actual.
- iii. Consumer, who desires to have a change in the period classified as “season” declared by him, shall file a declaration at least a month before commencement of the respective tariff year.
- iv. Existing eligible consumers who have not opted earlier for seasonal tariffs will also be permitted to opt for seasonal tariff on the basis of application to the concerned Divisional Engineer of the Licensee.
- v. The seasonal period once notified cannot be changed, during one Tariff year.
- vi. The off-season tariff is not available to composite units having seasonal and other

categories of loads.

- vii. The off-season tariff is also not available for such of those units who have captive generation exclusively for process during season and who avail supply from Licensee for miscellaneous loads and other non-process loads.
- viii. Any consumer who after declaring the period of season consumes power for his main plant during the off-season period, shall not be entitled to this concession during that year.
- ix. Development charges as applicable to regular HT consumers shall be paid by the consumers for availing supply under the above said category with seasonal benefits. Consumers who have paid the development charges already as regular consumers need not pay the development charges.

(4) HT CATEGORY-II - OTHERS

- i. The billing demand shall be the maximum demand recorded during the month or 80% of the contracted demand, whichever is higher.
- ii. Energy charges will be billed on the basis of actual Energy consumption or 25 kVAh per kVA of Billing Demand, whichever is higher.

(5) HT-CATEGORY III - AIRPORTS, RAILWAY STATIONS AND BUS STATIONS:

- 1)The billing demand shall be the maximum demand recorded during the month or 80% of the contracted demand whichever is higher.
- 2)Energy charges will be billed on the basis of actual energy consumption or 50 kVAh per kVA of billing demand whichever is higher.

(6) HT-IV- LIFT IRRIGATION, AGRICULTURE AND CPWS

The metering is mandatory for categories IV A&B.

(7) HT-CATEGORY V-RAILWAY TRACTION

Energy charges will be billed on the basis of actual energy Consumption or 32 kVAh per kVA per month of Contracted Demand whichever is higher.

(8) HT CATEGORY -VI - TOWNSHIPS AND RESIDENTIAL COLONIES

- 1)The billing demand shall be the recorded maximum demand during the month.
- 2)Energy Charges will be billed on the basis of actual consumption or 25 kVAh per kVA of Contracted Demand, whichever is higher.
- 3)The above provisions shall not in any way affect the right of a person residing in the housing unit sold or leased by such Cooperative Group Housing Society, to demand supply of electricity directly from the distribution licensee of the area.

(9) TEMPORARY SUPPLY AT HT

1. Requests for temporary supply of energy cannot normally be considered unless there is a clear notice of at least one week in the case of domestic and three months in case of other types of supply. If supply is required at a short notice, in addition to the charges mentioned below, an urgency charge, as specified in clause V (h) above is also to be paid.

2. 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.

3. (a) Estimated cost of the works as mentioned in Para (2) 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.

4. (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 3(a), the estimated consumption charges at the rate stipulated in Tariff Order for Temporary supply, and worked out on the basis for use of electricity by the consumer for 6 hours per day for a period of 2 months in case the supply is required for more than 10 days. If the period of temporary supply is for 10 days or less, the advance consumption charges for the actual period requisitioned shall be paid.

(b) The Bill for electricity consumed in any month shall be prepared at the tariff applicable plus hire charges as mentioned in 3(b) above. The consumers have to pay monthly CC charges regularly during the period of availing temporary supply and the estimated energy consumption deposit shall be adjusted with the last month consumption and the balance if any shall be refunded.

(c) In the case of consumers requiring temporary supply for the purposes of Cinema, the estimated energy charges for a minimum period of 3 months shall have to be deposited by the consumer subject to the condition that the consumer shall pay every month energy and other miscellaneous charges for the preceding month and the amount deposited by him in advance shall be adjusted with the last month consumption and the balance amount shall be refunded.

(d) In the event of estimated energy charges deposited by the consumer having been found insufficient, the consumer shall deposit such additional amount, as may be demanded by the Licensee failing which the Licensee may discontinue the supply of electricity.

5. For new connections: Temporary supply at High Tension may be made available by the Licensee to a consumer, on his request subject to the conditions set out

herein.

Temporary supply shall not ordinarily be given for a period exceeding 6 (six) months. In case of construction projects, temporary supply can be extended for a period of 3 years. The electricity supplied to such consumer shall be charged for, at rates 50% in excess of the rates set out in the H.T. Tariffs applicable subject to, however, that the billing demand for temporary supply shall be the contracted demand or the recorded maximum demand registered during the month whichever is higher.

6. Existing consumers requiring temporary supply or temporary increase in supply:

If any consumer availing regular supply of electricity at High Tension requires an additional supply of electricity at the same point for a temporary period, the temporary additional supply shall be treated as a separate service and charged for as in clause (i) above, subject to the following conditions.

a. The contracted demand of the temporary supply shall be the billing demand for that service. The recorded demand for the regular service shall be arrived at by deducting the billing demand for the temporary supply from the maximum demand recorded in the month.

b. The total energy consumed in a month including that relating to temporary additional supply, shall be apportioned between the regular and temporary supply in proportion to the respective billing demands.

8 OTHER CHARGES FOR H.T.

I. SERVICE CONNECTION CHARGES

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

II. RECONNECTIONS

High Tension Services	Charges
11 kV	₹1000
33 kV	₹2000
132/220 kV	₹3000

III. TESTING

(a)Installations	Charges
The first test and inspection of a new installation or of an extension to an existing installation.	Nil
Charges payable by the consumer in advance for each subsequent test and/or inspection if found necessary owing to any fault in the installation or to non-compliance of the conditions of supply	₹200
(b)HT Meters	₹3000
(c)Transformer Oils	
First sample of oil	₹100
Additional sample of oil of the same equipment received at the same time	₹150

IV. MISCELLANEOUS CHARGES

(a) Application Registration Fees	₹100
(b) For changing meter only at the request of the consumer (where it is not necessitated by increase in Demand permanently)	₹10
(c) For changing or moving a meter board	Actual cost of material and labour plus 25% supervision charges on cost of materials and labour.
(d) Customer Charges	
HT consumer categories upto 33 kV	₹1125/month
HT consumer categories above 33 kV	₹2250/month
(e) Urgency charges for temporary supply at short notice	₹100
(f) Special rates chargeable for theft/pilferage and malpractice cases	As per the General Terms and Conditions of Supply (GTCS) approved by the Commission from time to time.
(g) Supervision/Inspection & checking charges	₹600

V. MISCELLANEOUS WORKS IN H.T.

The charges for any work which the Licensee may be required to undertake for the consumer and which is not included in the foregoing schedule, shall be the actual cost of labour and material plus 25% on cost of labour and material to cover overhead charges. The aforesaid charges shall be paid by the consumer in advance.

- 284.** The abstract of the tariff rates determined above, together with the terms & conditions governing the same is enclosed as Annexure-01.
- 285.** The payment of subsidy amounts indicated in the beginning of this chapter must be made by the Government of Andhra Pradesh to the Licensees in monthly instalments, in advance.
- 286.** The above determined rates for LT-V: Agriculture category are contingent on payment of subsidy as agreed by the GoAP., failing which, the rates contained in the full cost recovery tariff schedule will become operative.
- 287.** The rates indicated in the Retail Supply Tariff Schedule for FY2015-16, together with the terms and conditions prescribed thereunder shall be applicable in the areas of operation of 2 (two) Distribution Companies viz., Eastern Power

Distribution Company of A.P. Limited (APEPDCL) and Southern Power Distribution Company of A.P. Limited (APSPDCL) and 3 (three) Rural Electric Co-operative Societies viz., Anakapalle, Cheepurupalli and Kuppam for FY2015-16 w.e.f. 01-04-2015 to 31-03-2016.

- 288.** Before parting, the Commission wishes to place on record its deep sense of appreciation for the assistance and support extended in this onerous task by all the personnel of the licensees, individual and representative participants on behalf of all sections of consumers during public hearings including those that represented in writing, the Government of Andhra Pradesh in general and the Energy Department in particular, all the members of the State Advisory Committee and the journalist brethren from the print and visual media. Though thanking the members of the Andhra Pradesh Electricity Regulatory Commission family, for their unstinted devotion and commitment in this stupendous task within the restricted time available to provide the maximum possible relief to maximum number of power consumers in the State while safeguarding the interests of the power utilities, will be thanking ourselves, the Commission will be failing in its duty if the hard work of its personnel is not made a matter of record.

This Order is signed on 23rd day of March, 2015.

Sd/-
P. RAMA MOHAN
MEMBER

Sd/-
P. RAGHU
MEMBER

Sd/-
G.BHAVANI PRASAD
CHAIRMAN

ANNEXURE - 01
TARIFF FOR RETAIL SALE OF ELECTRICITY FOR FY2015-16
(RETAIL SUPPLY TARIFF RATES AND TERMS AND CONDITIONS)

(For Full details, read para 283 of the Order)

Consumer Category	Energy Unit	Fixed Charge	Energy Charge
		(₹/Month)	(₹/Unit)
LT-I:DOMESTIC (Telescopic)			
LT I(A):Upto 50 Units/Month	kWh		1.45
LT I(B):>50 and upto 100 Units/Month			
First 50 Units	kWh		1.45
51-100 Units	kWh		2.60
LT I(C):>100 and upto 200 Units/Month			
First 50	kWh		2.60
51-100	kWh		2.60
101-150	kWh		3.60
151-200	kWh		3.60
LT I(D):Above 200 Units/Month			
First 50	kWh		2.60
51-100	kWh		3.25
101-150	kWh		4.88
151-200	kWh		5.63
201-250	kWh		6.70
251-300	kWh		7.22
301-400	kWh		7.75
401-500	kWh		8.27
Above 500	kWh		8.80
LT-II:NON DOMESTIC/COMMERCIAL			
LT II(A):Upto 50 Units/Month	kWh/kVAh	53/kW	5.40
LT II(B):Above 50 Units/Month			
First 50	kWh/kVAh	53/kW	6.63
51-100	kWh/kVAh	53/kW	7.38
101-300	kWh/kVAh	53/kW	8.54
301-500	kWh/kVAh	53/kW	9.06
Above 500	kWh/kVAh	53/kW	9.59
LT II(C):ADVERTISEMENT HOARDINGS	kWh/kVAh	53/kW	11.58
LT-III:INDUSTRY			
Industry (General)	kWh/kVAh	53/kW	6.38
Seasonal Industries (off season)	kWh/kVAh	53/kW	7.09
Pisciculture/Prawn culture	kWh/kVAh	21/kW	4.63
Sugarcane crushing	kWh/kVAh	21/kW	4.63
Poultry farms	kWh/kVAh	53/kW	5.63
Mushroom & Rabbit Farms	kWh/kVAh	53/kW	5.63
Floriculture in Green House	kWh/kVAh	53/kW	5.63
LT-IV:COTTAGE INDUSTRIES & OTHERS			
a) Cottage Industries upto 10 HP	kWh	20/kW	3.75
b) Agro Based Activity upto 10 HP	kWh	20/kW	3.75
LT-V:AGRICULTURE **			

Consumer Category	Energy Unit	Fixed Charge	Energy Charge
		(₹/Month)	(₹/Unit)
LT-V(A):AGRICULTURE WITH DSM MEASURES			
Corporate Farmers & IT Assesses	kWh		2.50
Wet Land Farmers (Holdings >2.5 acre)	kWh	525/HP/Year *	0.50
Dry Land Farmers (Connections > 3 nos.)	kWh	525/HP/Year *	0.50
Wet Land Farmers (Holdings ≤ 2.5 acre)	kWh		0.00
Dry Land Farmers (Connections ≤ 3 nos.)	kWh		0.00
LT-V(B):AGRICULTURE WITHOUT DSM MEASURES			
Corporate Farmers & IT Assesses	kWh		3.50
Wet Land Farmers (Holdings >2.5 acre)	kWh	1050/HP/Year *	1.00
Dry Land Farmers (Connections > 3 nos.)	kWh	1050/HP/Year *	1.00
Wet Land Farmers (Holdings ≤ 2.5 acre)	kWh	525/HP/Year *	0.50
Dry Land Farmers (Connections ≤ 3 nos.)	kWh	525/HP/Year *	0.50
LT-V(C):OTHERS			
Salt farming units upto 15HP	kWh	20/HP	3.70
Rural Horticulture Nurseries upto 15HP	kWh	20/HP	3.70
LT-VI:STREET LIGHTING AND PWS			
LT-VI(A):STREET LIGHTING			
Panchayats	kWh	32/kW	5.64
Municipalities	kWh	32/kW	6.16
Municipal Corporations	kWh	32/kW	6.69
LT-VI(B):PWS SCHEMES			
Panchayats	kWh/kVAh	32/HP	4.59
Municipalities	kWh/kVAh	32/HP	5.64
Municipal Corporations	kWh/kVAh	32/HP	6.16
LT-VI(C):NTR Sujala Padhakam	kWh/kVAh	10/HP	4.00
LT-VII:GENERAL			
LT-VII(A):GENERAL PURPOSE	kWh/kVAh	21/kW	6.86
LT-VII(B):RELIGIOUS PLACES (CL ≤ 2 KW)	kWh	20/kW	4.70
LT-VIII: TEMPORARY SUPPLY	kWh/kVAh	21/kW	9.90
HT-I:INDUSTRY			
HT-I(A): INDUSTRY GENERAL			
11 kV	kVAh	371/kVA	6.02
33 kV	kVAh	371/kVA	5.57
132 kV & Above	kVAh	371/kVA	5.15
INDUSTRIAL COLONIES			
11 kV	kVAh		5.96
33 kV	kVAh		5.96
132 kV & Above	kVAh		5.96
SEASONAL INDUSTRIES (off season Tariff)			
11 kV	kVAh	371/kVA	7.25
33 kV	kVAh	371/kVA	6.59
132 kV & Above	kVAh	371/kVA	6.33
TIME OF DAY TARIFFS (6 PM to 10 PM)			
11 kV	kVAh		7.07

Consumer Category	Energy Unit	Fixed Charge	Energy Charge
		(₹/Month)	(₹/Unit)
33 kV	kVAh		6.62
132 kV & Above	kVAh		6.20
HT-I(B):FERRO ALLOY UNITS			
11 kV	kVAh		5.68
33 kV	kVAh		5.23
132 kV & Above	kVAh		4.81
HT-II:OTHERS			
11 kV	kVAh	371/kVA	7.25
33 kV	kVAh	371/kVA	6.59
132 kV & Above	kVAh	371/kVA	6.33
TIME OF DAY TARIFFS (6 PM to 10 PM)			
11 kV	kVAh		8.30
33 kV	kVAh		7.64
132 kV & Above	kVAh		7.38
HT-III:AIRPORTS,BUS STATIONS AND RAILWAY STATIONS			
11 kV	kVAh	371/kVA	6.91
33 kV	kVAh	371/kVA	6.31
132 kV & Above	kVAh	371/kVA	6.01
TIME OF DAY TARIFFS (6 PM to 10 PM)			
11 kV	kVAh		7.96
33 kV	kVAh		7.36
132 kV & Above	kVAh		7.06
HT-IV: Govt., LIFT IRRIGATION, AGRICULTURE AND CPWS			
Govt. Lift Irrigation & Agriculture	kVAh		5.64
Composite Water Supply Schemes	kVAh		4.61
HT-V:RAILWAY TRACTION			
HT-VI:TOWNSHIPS AND RESIDENTIAL COLONIES			
HT-VII:GREEN POWER			
HT-VIII:TEMPORARY			
		1.5 times of corresponding HT Category	
RURAL ELECTRIC CO-OPERATIVES			
Kuppam	kWh		0.24
Anakapally	kWh		1.38
Chipurupally	kWh		0.22
* Equivalent flat rate tariff per Year			
** The above determined rates for LT Cat-V agriculture are contingent on payment of subsidy as agreed by the Govt., of A.P, failing which, the rates contained in the full cost recovery tariff schedule will become operative.			

TERMS AND CONDITIONS

- FSA will be extra as applicable as notified by the Commission from time to time.
- The Tariffs are exclusive of Electricity duty payable as per the provisions of AP Electricity Duty Act.

a) Voltage Surcharge

H.T. consumers who are now getting supply at voltage different from the declared voltages and who want to continue taking supply at the same voltage will be charged as per the rates indicated below:

S.No	Contracted Demand with Licensee and other sources (in kVA)	Voltage at which Supply should be availed (in kV)	Voltage at which consumer is availing supply (in kV)	Rates % extra over the normal rates	
				Demand Charges	Energy Charges
				(A) For HT Consumers availing supply through common feeders	
1	1501 to 5000	33	11	12%	10%
2	Above 5000	132 or 220	66 or Below	12%	10%
(B) For HT Consumers availing supply through independent feeders					
1	2501 to 10000	33	11	12%	10%
2	Above 10000	132 or 220	66 or Below	12%	10%

Note:

In case of consumers who are having supply arrangements from more than one source, RMD or CMD with the Licensee, whichever is higher shall be the basis for levying voltage surcharge.

b) Additional charges for exceeding Contracted Demand

If in any month the Recorded Maximum Demand (RMD) of the consumer exceeds his Contracted Demand with Licensee, the consumer will pay the following charges on excess demand and energy.

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 Category-HT-V (Railway Traction), the energy charges shall be computed at 1.05 times of normal charges on the entire consumption, if RMD exceeds 120% of Contracted Demand.		

c) Minimum Energy Charges :

Category		Rates for the year 2015-16	
LT Categories			
I	Domestic	Contracted load of 500 watts and below	
		Single Phase	₹ 25/Month
		contracted load of above 500 watts	
		Single Phase	₹ 50/Month
		Three Phase	₹ 150/Month
II (A) & (B)	Non-Domestic/Commercial	Single Phase	₹ 65/Month
		Three Phase	₹ 200/Month
II (C)		Advertisement Hoardings	₹ 300/Month
VI (A)	Street Lighting	Panchayats	₹ 2/Point/Month
		Municipalities and Corpns.	₹ 6/Point/Month
VII (A)	General Purpose	Single Phase	₹ 50/Month
		Three Phase	₹ 150/Month
VIII	Temporary Supply		₹ 125/kW or part thereof of contracted load for first 30 days or part thereof and ₹ 75 per kW or part thereof of contracted load for every subsequent period of 15 days or part thereof
HT Categories			
Billing demand	Billing demand shall be maximum demand recorded during the month or 80% of contracted demand whichever is higher except HT-VI (i.e Township and Residential Colonies, for this category the billing demand is Actual Demand Recorded)		
Minimum Energy Charges			
I(A)	Industry - General	50 kVAh/kVA of billing demand per month	
I(B)	Ferro Alloy Units	Maximum Demand or Average Actual Demand whichever is higher. The energy falling short of 6701 kVAh per kVA per annum will be billed as deemed consumption	
II	Others	25 kVAh/kVA of billing demand per month	
III	Airports, Bus Stations & Railway stations	50 kVAh/kVA of billing demand per month	
V	Railway Traction	32 kVAh /kVA of Contracted demand/ month	
VI	Townships/Colonies	25 Units/kVA of contracted demand / month	

d) Customer Charges

Consumer Category	₹ /month
LT-I(A) & I(B) Domestic	
0 - 50	25
51 - 100	30
101 - 200	35
201 - 300	40
>300	45
LT-II(A) & II(B) Non-Domestic/Commercial	
0-50	30
51-100	35
>100	40
LT-II(C) Advertisement Hoardings	45
LT-III Industry upto 20 HP	50
LT-III Industry 21 - 50 HP	200
LT-III Industry 51 - 100 HP	750
LT-VII General Purpose	40
LT-VIII Temporary Supply	40
All other LT categories	30
HT consumer categories upto 33 kV	1125
HT consumer categories above 33 kV	2250

e) Delayed Payment Surcharge (DPS)

LT Category:

a. In case of LT- I(A), LT-I(B), LT-II(A) and LT-IV, if payment is made after due date, the consumers are liable to pay, Delayed Payment Surcharge (DPS) per month on the bill amount at the rates given in table below.

LT - I(A)	₹ 10/month
LT-I(B), LT II (A) with Contracted Load upto 1 kW, LT-IV	₹ 25/month

b. In case of LT - II (A) (having contracted load more than 1 kW), LT- II (B), LT-II(C), LT - III, LT- VI and LT-VII, the Licensee shall levy Delayed Payment Surcharge (DPS) on the bill amount at the rate of 5 paise/₹100/day calculated from the due date mentioned on the bill, up to the date of payment or ₹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.

HT Category:

c. The Licensees shall charge the Delayed Payment Surcharge (DPS) per month on the bill amount at the rate of 5 paise/₹100/day or ₹ 550 whichever is higher. In case of grant of installments, the Licensee shall levy interest at the rate of 18% per annum on the outstanding amounts, compounded annually and the two shall not be levied at the same time.

f) Reconnection Charges

i) Low Tension Services.	
LT - I(A)	₹ 25
For all other LT services	
Overhead Services	₹ 75
U.G. Services	₹ 200
ii) High Tension Services	
11 kV	₹ 1000
33 kV	₹ 2000
132 kV & Above	₹ 3000

g) Testing Charges

i) Installations	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	₹ 20	₹ 200
ii) Meters	LT	HT
A.C. Single Phase Energy meter	₹ 100	
A.C. Three Phase Energy meter	₹ 300	
LT Tri Vector meter	₹ 2000	
11 kV		₹ 3000
33 kV		₹ 3000
132 kV		₹ 3000
220 kV & Above		₹ 3000
iii) Transformer Oils		
First sample of oil	₹ 150/-per sample	
Additional sample of oil of the same equipment received at the same time	₹ 100/-per sample	

h) Supervision/Inspection & checking charges

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

i) Low Power Factor Charges

For all consumer categories where kVAh billing is done, no Low Power Factor Surcharge shall be levied.

j) Capacitor Surcharge

LT consumers with kWh based billing (except LT Domestic , LT - IV , LT VI (A) , LT - VII (B)) 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	Contracted Load
LT II & LT VII (A)	<10 kW
LT III & LT VI (B)	<20 HP

k) Fixed Charges for Off season period - Seasonal Industry

LT III : Rs. 50/kW/Month on 30% of contracted load.

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

ANNEXURE - 02
Public Notice of ARR

BEFORE THE HONOURABLE
ANDHRA PRADESH ELECTRICITY REGULATORY COMMISSION (APERC)
D.No.11-4-660, 4th Floor, Singareni Bhavan, Red Hills, HYDERABAD 500 004

EPD EASTERN POWER DISTRIBUTION COMPANY OF ANDHRA PRADESH LIMITED (EPDCL)
PUBLIC NOTICE

SPD SOUTHERN POWER DISTRIBUTION COMPANY OF ANDHRA PRADESH LIMITED (SPDCL)
PUBLIC NOTICE

1. Notice is hereby given to all that the Distribution Company viz. Eastern Power Distribution Company of A.P. Ltd. (APEPDCL) holding Distribution and Retail Supply License No. 12/2000 has on 27-01-2015, filed before the Andhra Pradesh Electricity Regulatory Commission (APERC) the Aggregate Revenue Requirement (ARR) for its Retail supply business for the FY 2015-16. These filings have been taken on record by the Hon'ble Commission in O.P.No. 2 of 2015.

2. Copies of the filings are available in the Office of the Chief General Manager (RAC, PP & Proj.3) of the Eastern Power Distribution Company's headquarters at P&T Colony, Seethammadhara, Visakhapatnam - 530013 and all Superintending Engineers in charge of Operation Circles of the Distribution Company at Srikakulam, Vizianagaram, Visakhapatnam, Rajahmundry and Eluru. Interested persons may inspect/peruse the said ARR and take note thereof during office hours at any of the said offices free of charge. These proposals are also available on www.apespdc.com and the same may also be accessed at www.aperc.gov.in. A copy of these filings, can be obtained from the above offices from 29-01-2015 onwards on payment of Rs.100/- (by way of cash in person/ D.D. drawn in favour of the Pay Officer/ APEPDCL/ Visakhapatnam). Also a summary of ARR in English or Telugu can be separately obtained on payment of Rs. 10/- (by way of cash in person/ D.D. drawn in favour of the Pay Officer/ APEPDCL/ Visakhapatnam).

3. Objections/suggestions if any, on the ARR filings proposed by the Distribution Company, together with supporting material, may be sent to the Chief General Manager (RAC, PP & Proj.3) of the Eastern Power Distribution Company's headquarters at P&T Colony, Seethammadhara, Visakhapatnam-530013 in person or through Registered Post so as to reach on or before 16-02-2015 by 5 PM. A copy the same must also be filed with the Commission Secretary, APERC, 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 so mentioned. If the objector also wants to be heard in person, it may also be specifically mentioned accordingly. The objection/suggestion should accompany the following statement as an overleaf:

1. Notice is hereby given to all that the Distribution Company viz. Southern Power Distribution Company of A.P. Ltd. (APSPDCL) holding Distribution and Retail Supply License No. 15/2000 has on 27-01-2015, filed before the Andhra Pradesh Electricity Regulatory Commission (APERC) the Aggregate Revenue Requirement (ARR) for its Retail supply business for the FY 2015-16. These filings have been taken on record by the Hon'ble Commission in O.P.No. 1 of 2015.

2. Copies of the filings are available in the Office of the Chief General Manager (Operation) of the Southern Power Distribution Company's headquarters at Tirupathi (APSPDCL, D.No. 19-12-65/ A, Srinivasapuram, Tiruchanur Road, Tirupathi-517 503) and all Superintending Engineers in charge of Operation Circles of the Distribution Company at Vijayawada, Guntur, Ongole, Nellore, Tirupathi, Kadapa, Ananthapur and Kurnool. Interested persons may inspect/peruse the said ARR and take note thereof during office hours at any of the said offices free of charge. These proposals are also available on www.apspdc.com and the same may also be accessed at www.aperc.gov.in. A copy of these filings, can be obtained from the above offices from 29-01-2015 onwards on payment of Rs.100/- (by way of cash in person/ D.D. drawn in favour of the Pay Officer/ APSPDCL/ Tirupathi). Also a summary of ARR in English or Telugu can be separately obtained on payment of Rs. 10/- (by way of cash in person/ D.D. drawn in favour of the Pay Officer/ APSPDCL/ Tirupathi).

3. Objections/suggestions if any, on the ARR filings proposed by the Distribution Company, together with supporting material may be sent to the Chief General Manager (Operation) of the Southern Power Distribution Company's headquarters at Tirupathi (APSPDCL, D.No. 19-12-65/A, Srinivasapuram, Tiruchanur Road, Tirupathi-517 503) in person or through Registered Post so as to reach on or before 16-02-2015 by 5 PM. A copy the same must also be filed with the Commission Secretary, APERC 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 so mentioned. If the objector also wants to be heard in person, it may also be specifically mentioned accordingly. The objection/suggestion should accompany the following statement as an overleaf:

Name & full address of the Objector	Brief details of Objection (s) / Suggestion(s)	Objections against Proposals of APEPDCL	Whether copy of objection & proof of delivery at Licensee's office enclosed (Yes/No)	Whether Objector wants to be heard in person (Yes/No)
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Name & full address of the Objector	Brief details of Objection (s) / Suggestion (s)	Objections against Proposals of APSPDCL	Whether copy of objection & proof of delivery at Licensee's office enclosed (Yes/No)	Whether Objector wants to be heard in person (Yes/No)
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The ARR schedule for Retail Supply Business proposed by the Licensee for FY: 2015-16 is given below:

The ARR schedule for Retail Supply Business proposed by the Licensee for FY: 2015-16 is given below:

Sl. No.	Particulars	2015-16 (Projections) (Rs. Crs)
1	Transmission Cost	341.00
2	SLDC Cost	10.97
3	Distribution Cost	1216.97
4	PGCIL Expenses	119.26
5	ULDC Charges	2.88
6	Network and SLDC Cost (1+2+3+4+5)	1691.08
7	Power Purchase / Procurement Cost	7564.29
8	Interest on Consumer Security Deposits	100.06
9	Supply Margin in Retail Supply Business	4.83
10	Other Costs (Revenue Deficit for FYs 2013-14 & 2014-15 and towards DELP Project)	1007.31
11	Supply Cost (7+8+9+10)	8676.49
12	Aggregate Revenue Requirement (6+11)	10367.57
13	Total Revenue (14+15)	8021.80
14	Revenue from Current Tariffs (Net of incentives)	7898.23
15	Non - Tariff Income	123.57
16	Revenue Deficit(-) / Surplus(+) at Current Tariff (13-12)	- 2345.77

Sl. No.	Particulars	2015-16 (Projections) (Rs. Crs)
1	Transmission Cost	654.10
2	SLDC Cost	21.05
3	Distribution Cost	2,163.24
4	PGCIL Expenses	211.10
5	ULDC Charges	9.71
6	Network and SLDC Cost (1+2+3+4+5)	3,049.20
7	Power Purchase / Procurement Cost	15,685.89
8	Interest on Consumer Security Deposits	151.29
9	Supply Margin in Retail Supply Business	13.13
10	Other Costs (Revenue Deficit for FYs 2013-14 & 2014-15 and towards DELP Project)	1,041.19
11	Supply Cost (7+8+9+10)	16,891.51
12	Aggregate Revenue Requirement (6+11)	19,940.71
13	Total Revenue (14+15)	14569.75
14	Revenue from Current Tariffs (Net of incentives)	14415.83
15	Non - Tariff Income	154.22
16	Revenue Deficit(-) / Surplus(+) at Current Tariff (13-12)	-5370.95

5. After perusing the objections/suggestions received in response to this notice the Hon'ble Commission may invite such persons, as it considers appropriate and conduct hearings on dates to be notified by the Commission.

5. After perusing the objections/suggestions received in response to this notice the Hon'ble Commission may invite such persons, as it considers appropriate and conduct hearings on dates to be notified by the Commission.

Date : 29th Jan, 2015
Place : Visakhapatnam
CHAIRMAN & MANAGING DIRECTOR
EASTERN POWER DISTRIBUTION COMPANY OF A.P. LTD.

Date : 29th Jan, 2015
Place : Tirupathi
CHAIRMAN & MANAGING DIRECTOR
SOUTHERN POWER DISTRIBUTION COMPANY OF A.P. LTD.

THE HINDU, Page No. 5, dt 29/1/15

ANNEXURE - 03 Public Notice of FPTs.

BEFORE THE HONOURABLE ANDHRA PRADESH ELECTRICITY REGULATORY COMMISSION (APERC)
D.No. 11-4-660, 4th Floor, Singareni Bhavan, Red Hills, HYDERABAD - 500 004.

EASTERN POWER DISTRIBUTION COMPANY OF ANDHRA PRADESH LIMITED (EPDCL)

PUBLIC NOTICE

1. Notice is hereby given to all that the Distribution Licensee viz. Eastern Power Distribution Company of A.P. Ltd. (APSPDCL) holding Distribution and Retail Supply License No. 120000 has on 05-02-2015, filed before the Andhra Pradesh Electricity Regulatory Commission (APERC) the filing for Proposed Tariff (PFT) for its Retail Supply Business for FY 2015-16, which is reviewed and on which necessary orders are issued to meet ends of justice in exercise of powers conferred by the APERC Terms and Conditions for Determination of Tariff for Wholesaling and Retail Sale of Electricity Regulation 2005, in general and Regulation-24 therein, in particular.

2. Copies of the filings are available in the Office of the Chief General Manager (CAG, PP & PPS) of the Eastern Power Distribution Company's headquarters at P&T Colony, Seethammadhara, Visakhapatnam - 530013 and all Superintending Engineers in-charge of Operation Circles of the Distribution Company at Srikalahasti, Visanagaram, Visakhapatnam, Rajamahendravaram and Eluru. Interested persons may inspect/raise the said PFT and take note thereof during office hours at any of the said office free of charge. These proposals are also available on www.apercpower.com and the same may also be accessed at www.aperc.gov.in. A copy of these filings can be obtained from the above offices from 07-02-2015 onwards on payment of Rs.100/- (by way of cash in person/ D.D. drawn in favor of the Pay Officer/APSPDCL, Visakhapatnam). Also a summary of PFT in English or Telugu can be separately obtained on payment of Rs.10/- (by way of cash in person/ D.D. drawn in favor of the Pay Officer/APSPDCL, Visakhapatnam). Note: APSPDCL has filed the ARR relating to its Retail Supply Business for FY2015-16 with the Commission on 27-01-2015 vide O.P.No.2 of 2015 and the Public notice was issued on 05-01-2015 indicating that the objections/suggestions, if any on the ARR filings may be submitted on or before 16-02-2015.

3. Objections/suggestions if any, on the ARR & PFT filings proposed by the Distribution Licensee, together with supporting material may be sent to the Chief General Manager (CAG, PP & PPS) of the Eastern Power Distribution Company's headquarters at P&T Colony, Seethammadhara, Visakhapatnam - 530013 in person or through Registered Post so as to reach on or before 20-02-2015 by 5 PM.

4. However, those persons who are unable to file the objections/suggestions before the above mentioned date, may file the same on or before 04-03-2015 by 5 PM and the Commission will also conduct public hearing at Hyderabad on 04-03-2015 providing a final opportunity to the stakeholders to submit their objections/suggestions on ARR & PFT filings in person. A copy of the same must also be filed with the Commission Secretary, APERC 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 so mentioned. If the objector also wants to be heard in person, it may also be specifically mentioned accordingly. The objection/suggestion should accompany the following statement as an affidavit:

Name of the Objector	Brief details of Objection(s) / Suggestions	Whether copy of objection / suggestion is to be filed in person (Yes/No)	Whether Objector wants to be heard in person (Yes/No)

5. The APERC will conduct public hearings to enable the stakeholders to submit their views / objections / suggestions on ARR/PFT (final) filings made by APSPDCL with the Commission for determination of retail supply tariff for FY2015-16. Public Hearings Schedule (1)

S.No.	Place	Date	Time
1.	Visakhapatnam	23-02-2015	10.00 AM to 1.00 PM, 02.00 PM to 5.00 PM
2.	Visakhapatnam (if required)	25-02-2015	10.00 AM to 1.00 PM
3.	Hyderabad	04-03-2015	09.00 AM to 1.00 PM & 02.00 PM to 4.00 PM
4.	Hyderabad	04-03-2015	2.00 PM to 5.00 PM

(1) Exact venue for public hearings will be announced later.
Date: 07.02.2015
Place: Visakhapatnam
CHAIRMAN & MANAGING DIRECTOR
EASTERN POWER DISTRIBUTION COMPANY OF A.P. LTD.

SOUTHERN POWER DISTRIBUTION COMPANY OF ANDHRA PRADESH LIMITED (SPDCL)

PUBLIC NOTICE

1. Notice is hereby given to all that the Distribution Licensee viz. Southern Power Distribution Company of A.P. Ltd. (APSPDCL) holding Distribution and Retail Supply License No. 120000, has on 05-02-2015, filed before the Andhra Pradesh Electricity Regulatory Commission (APERC) the filing for Proposed Tariff (PFT) for its Retail Supply Business for the FY 2015-16, which is reviewed and on which necessary orders are issued to meet ends of justice in exercise of powers conferred by the APERC Terms and Conditions for Determination of Tariff for Wholesaling and Retail Sale of Electricity Regulation 2005, in general and Regulation-24 therein, in particular.

2. Copies of the filings are available in the Office of the Chief General Manager (CAG, PP & PPS) of the Southern Power Distribution Company's headquarters at Tirupathi (APSPDCL, D.No. 18-13-87A, Srinivasaapuram, Tirupathi Road, Tirupathi - 517 001) and all Superintending Engineers in-charge of Operation Circles of the Distribution Company at Vijayawada, Guntur, Ongole, Nellore, Tirupathi, Karimnagar, Anantapur and Karmool. Interested persons may inspect/raise the said PFT and take note thereof during office hours at any of the said office free of charge. These proposals are also available on www.apercpower.com and the same may also be accessed at www.aperc.gov.in. A copy of these filings can be obtained from the above offices from 07-02-2015 onwards on payment of Rs.100/- (by way of cash in person/ D.D. drawn in favor of the Pay Officer/APSPDCL, Tirupathi). Also a summary of PFT in English or Telugu can be separately obtained on payment of Rs.10/- (by way of cash in person/ D.D. drawn in favor of the Pay Officer/APSPDCL, Tirupathi). Note: APSPDCL has filed the ARR relating to its Retail Supply Business for FY2015-16 with the Commission on 27-01-2015 vide O.P.No.1 of 2015 and the Public notice was issued on 05-01-2015 indicating that the objections/suggestions, if any on the ARR filings may be submitted on or before 16-02-2015.

3. Objections/suggestions if any, on the ARR & PFT filings proposed by the Distribution Licensee, together with supporting material may be sent to the Chief General Manager (CAG, PP & PPS) of the Southern Power Distribution Company's headquarters at Tirupathi (APSPDCL, D.No. 18-13-87A, Srinivasaapuram, Tirupathi Road, Tirupathi - 517 001) in person or through Registered Post so as to reach on or before 20-02-2015 by 5 PM.

4. However, those persons who are unable to file the objections/suggestions before the above mentioned date, may file the same on or before 04-03-2015 by 5 PM and the Commission will also conduct public hearing at Hyderabad on 04-03-2015 providing a final opportunity to the stakeholders to submit their objections/suggestions on ARR & PFT filings in person. A copy of the same must also be filed with the Commission Secretary, APERC 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 so mentioned. If the objector also wants to be heard in person, it may also be specifically mentioned accordingly. The objection/suggestion should accompany the following statement as an affidavit:

Name of the Objector	Brief details of Objection(s) / Suggestions	Whether copy of objection / suggestion is to be filed in person (Yes/No)	Whether Objector wants to be heard in person (Yes/No)

5. The APERC will conduct public hearings to enable the stakeholders to submit their views / objections / suggestions on ARR/PFT (final) filings made by APSPDCL with the Commission for determination of retail supply tariff for FY2015-16. Public Hearings Schedule (2)

S.No.	Place	Date	Time
1.	Tirupathi	24-02-2015	9.00 AM to 1.00 PM & 02.00 PM to 4.00 PM
2.	Tirupathi	27-02-2015	10.00 AM to 1.00 PM & 02.00 PM to 5.00 PM
3.	Hyderabad	04-03-2015	10.00 AM to 1.00 PM
4.	Hyderabad	04-03-2015	02.00 PM to 5.00 PM

(2) Exact venue for public hearings will be announced later.
Date: 07.02.2015
Place: Tirupathi
CHAIRMAN & MANAGING DIRECTOR
SOUTHERN POWER DISTRIBUTION COMPANY OF A.P. LTD.

The FPT schedule for Retail Supply Business proposed by the licensees for FY2015-16 is given below:

Category	Rates for FY 2015-16		Category	Rates for FY 2015-16	
	Fixed Demand Charges in Rs/Month	Energy Charges in Rs/Unit		Fixed Demand Charges in Rs/Month	Energy Charges in Rs/Unit
LT - I Domestic			LT VII(A) - Agriculture with DSM Measures		Industrial Colonias
LT I(A) - Up to 50 Units/Month	1.45		Corporate Farmers & IT Agripreneurs	2.50	100 KV and above
LT I(B) - Above 50 up to 100 Units/Month			Wet Land Farmers (Holdings > 2.5 acre)	0.50	33 KV
First 50 units	1.45		Dry Land Farmers (Connections > 3 nos.)	0.50	11 KV
51-100 units	2.50		Wet Land Farmers (Holdings < 2.5 acre)	0	Seasonal Industries
LT I(C) - Above 100 and up to 200 Units/Month			Dry Land Farmers (Connections <= 3 nos.)	0	100 KV and above
First 100 units	2.74		LT VII(B) - Agriculture without DSM Measures		33 KV
101-200 units	3.92		Corporate Farmers & IT Agripreneurs	3.50	11 KV
LT I (D) - Above 200 Units/Month			Wet Land Farmers (Holdings > 2.5 acre)	1.00	HT I - Time-of-Day Tariff (6 PM to 10 PM)
0-50 units	3.76		Dry Land Farmers (Connections <= 3 nos.)	1.00	100 KV and above
51-100 units	3.45		Wet Land Farmers (Holdings <= 2.5 acre)	0.50	33 KV
101 - 150 units	5.17		Dry Land Farmers (Connections <= 3 nos.)	0.50	11 KV
151 - 200 units	5.97		Category IJ V(C) - Others		HT - I (B) Ferroalloys
201-250 units	6.76		Salt farming units with Cl. up to 15HP & 25HP	0.70	100 KV and above
251-300 units	7.20		Rural Horticulture Nurseries upto 15HP & 25HP	0.70	33 KV
301-400 units	7.82		Category VI - Street Lighting & PWS		11 KV
401-500 units	8.05		LT VI (A) - Street Lighting		HT - II - Others
Above 500 Units	9.80		Panchayats	31.85	100 KV and above
LT - II Non-domestic/Commercial			Municipalities	31.25	33 KV
LT - II (A) - Up to 50 Units/Month	5.50	5.72	Municipal Corporations	31.28	11 KV
LT - II (B) - Above 50 Units/Month			LT VI (B) - PWS Schemes		HT-B - Time-of-Day Tariff (6 PM to 10 PM)
0-50 units	5.50	7.60	Panchayats	31.50	100 KV and above
51-100 units	5.50	7.82	Municipalities	31.83	33 KV
101-200 units	5.50	8.82	Municipal Corporations	31.83	11 KV
201-300 units	5.50	9.15	LT - VII(C) NTR Rajula Padhalam **	4.00	HT-B - Time-of-Day Tariff (6 PM to 10 PM)
Above 300 Units	5.50	9.08	LT - VII (A) - General & Religious		100 KV and above
LT-III(C) Advertising Hearings	6.50	11.69	LT VII (A) - General Purpose	21.17	33 KV
LT - III - Industry			LT VII (B) - Religious Places	21.17	11 KV
Industries	50/KW	8.44	LT Category VIII Temporary Supply	21.17	HT - III - Others
Seasonal Industries (Off Season)	60/KW	7.18	HT Categories		100 KV and above
Foodcottage/Farm culture	21.17/KW	4.51	HT - 4 (A) Industry - General		33 KV
Staple/cereal crushing	21.17/KW	4.51	100 KV and above	Rs. 30/KW Month of Billing Demand or 5% of CUD whichever is higher	11 KV
Poultry farms	50.00/KW	5.17	33 KV	5.19	HT - IV Irrigation & CPWs
Mushroom & Rabbit Farms	60.00/KW	6.07	11 KV	5.52	HT - IV (A) Irrigation & Agriculture
Floriculture in Green House	50.00/KW	5.97	Lights & Fans	8.27	HT - IV (B) Water Supply Schemes
LT-IV Collage Industries, Streetlights & Others			100 KV and above	5.19	HT - V Railway Traction
LT-IV(A) Collage Industries upto 10 HP	21.17/KW	3.95	33 KV	6.62	HT - VI Townships & Residential Colonias
LT-IV(B) Agri-based upto 10 HP	21.17/KW	3.95	11 KV	6.07	HT - VI (A) Residential Colonias
LT V - Agriculture					HT - VI (B) Residential Colonias
					HT - VII Green Power
					HT - VIII Temporary
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ANNEXURE - 04

List of persons who submitted views/objections/suggestions

S. No.	Name and address of the Objector	Objection related to
1	Sri. Jalagam Kumara Swamy, State Secretary, Bharathiya Kisan Sangh, D.No.26-16-1, Uyyuru Zamindaru Veedhi, Besides Raj-Yuvaraj Theatre, Gandhinagar, Vijayawada- 2.	APEPDCL & APSPDCL
2	Sri. Ch.Narasinga Rao, Secretariat Member, A.P. State Committee, Communist Party of India (Marxist), 28-6-8, N.P.R. Bhavan, Jagadamba, Visakhapatnam-500 020.	APEPDCL & APSPDCL
3	Sri. Cherukuri Venugopal, Mamillapalli, Krishna District, Andhra Pradesh.	APEPDCL & APSPDCL
4	Sri. M.Krishna Murthy, Chief Engineer (Retd.), APEPDCL & Secretary Vizianagaram Branch of APSEB Retired Officials Association, Vizianagaram.	APEPDCL
5	Sri. Uppuganti Bhaskara Rao, CGRF Co-opted Member, Consumer Grievances Redressal Forum, APEPDCL, Corporate Office, ATC Building, 3 rd Floor, Seethammadhara, P & T Colony, Visakhapatnam-13.	APEPDCL
6	Sri. G.Vamana Murthy, CPI.	APEPDCL
7	Sri. J.T.Rama Rao, Uttarandhra Political JAC.	APEPDCL
8	Sri. Hemanth Kumar, Research Scholar, Andhra University.	APEPDCL
9	Sri. Innam Ramana, Akila Bharatha Rythu Coolie Sangham.	APEPDCL
10	Sri. M.V.N.R.Patnaik, District Secretary, M.CPI (U), Visakhapatnam.	APEPDCL
11	Sri. U.S.N.Raju, SFI.	APEPDCL
12	Sri. Y.Kondaiah, CPI (ML) New Democracy.	APEPDCL & APSPDCL
13	Sri. K.Surendra Mohan, BJYM.	APEPDCL
14	Sri. M.Devudu Babu.	APEPDCL
15	Sri. M.R.Prasad, Secretary General, A.P.Ferro Alloys Producers Association (Reg. No.291/11), Flat No.308, Nirmal Towers, Dwarakapuri Colony, Punjagutta, Hyderabad - 500 082.	APEPDCL & APSPDCL
16	Sri. M.S.S.Sarma, A.P.Ferro Alloys Producers Association.	APEPDCL & APSPDCL
17	Sri. Vipul Agarwal, Sr. Manager, HPCL, Visakha Terminal, Port Connectivity Road, Petro Park, Visakhapatnam, Andhra Pradesh - 530 014.	APEPDCL
18	Sri. Kondapalli Vasudeva Rao, Editor & Publisher, Electronics Electrical & General Information (Andhra Pradesh & Telangana States), Srinivasanagar, Akkayyapalem, Visakhapatnam-530016.	APEPDCL & APSPDCL
19	Sri. R. Srinivasa Rao, Synergies Castings Ltd., No. 3, Visakhapatnam Special Economic Zone, Duvvada, Visakhapatnam, Andhra Pradesh - 530 049.	APEPDCL
20	Sri. Polanki Srinivasa Rao, State BC welfare Association.	APEPDCL
21	Sri. G. Subrahmanyam, Andhra University, Visakhapatnam.	APEPDCL

S. No.	Name and address of the Objector	Objection related to
22	Sri. Anand Kumar Dasi, Dy. Secretary General, Eastern Discom Power Engineers Association, Visakhapatnam.	APEPDCL
23	Sri. K.Ramakrishnam Raju, President, Srinivasa Nagar (West) Resident Welfare Association (Regd No.729/2011), D.No. 65-1-126/4, Srinivasa Nagar (West), Near Coromandel Gate, 46 th Ward, Visakhapatnam -530 011 and Former Electrical Safety Officer, Gujarat Army Stations.	APEPDCL
24	Sri. Somana Ganapathi, M.Tech., F.I.E.,S.E. (Retd.), APTRANSCO, Former Visiting Professor, NIT Jamshedpur, #4-329/4, Bommuru-533 124.	APEPDCL
25	Sri. D. Sessa Babji, District Secretary, CPM.	APEPDCL
26	Sri. P.V.S.S.S. Murthy, B.Com., President, Anti Corruption People Awareness Society, Regd. No.477/2013, 1-2-63/154, Pithapuram-533 450, E.G.District.	APEPDCL
27	Sri. Ch.Ajay Kumar, Secretary, CITU, Kakinada.	APEPDCL
28	Sri. Y.Suresh, Social Activist.	APEPDCL
29	Sri. M.Veera Babu.	APEPDCL
30	Sri. S.Murali.	APEPDCL
31	Sri. T.S.Prakash.	APEPDCL
32	Sri. U.Bhaskara Rao.	APEPDCL
33	Sri. R.Raja Rao, Narayanapuram, Unguturu Mandal, West Godavari District.	APEPDCL
34	Sri. Bikkina Visweswara Rao.	APEPDCL
35	Sri. Bathina Perraju, Bharathiya Kisan Sangh, Jalluru (Post), Pitapuram Mandal, East Godavari District.	APEPDCL
36	Sri. Challangi Venugopal, Bahujan Samaj Party.	APEPDCL
37	Smt. Baby Rani, CITU.	APEPDCL
38	Sri. Palivela Veerababu, CPI.	APEPDCL
39	Sri. Kamidi Satya Srinivas.	APEPDCL
40	Sri. P. Pradeep, CPI (ML) New Democracy.	APEPDCL
41	Sri. Ch. Nageswara Rao, CPI (ML) Liberation.	APEPDCL
42	Sri. T. Raja, SFI.	APEPDCL
43	Sri. Kate Ramu, Kula Vyavastha Porata Sangham.	APEPDCL
44	Sri. D. Harinath, CPI (ML) Liberation.	APEPDCL
45	Sri. Thikkireddy Gopalakrishna, Director, Bharatiya Agro Economic Research Centre, Plot No. 8, Konaseema Garden, Batlapalem, Amalapuram.	APEPDCL
46	Sri. Bikkina Seetha Ramudu, State Secretary, Bharathiya Kisan Sangh.	APEPDCL
47	Sri. Muthayala Jameelu, S/o. Sri Pullayya Naidu, Bharatiya Kisan Sangh, Potailanka, Ambazipeta Mandal, East Godavari District.	APEPDCL
48	Sri. Yalla Venkatanandam, Bharathiya Kisansangh, Bendavarlanka, Allavaram Mandal.	APEPDCL
49	Sri. Yellapu Suryanarayana, S/o Veera Swamy, Bharathiya Kisan Sangh, Chinnampeta, Siripuram (Post), Yeleswaram Mandal, East Godavari District.	APEPDCL
50	Sri. Chundru Prasad, Bharathiya Kisan Sangh, Kelangi Village, Karapa Mandal, East Godavari District.	APEPDCL
51	Sri. P.Ganga Rao.	APEPDCL

S. No.	Name and address of the Objector	Objection related to
52	Sri. Bhamidi Siva S.S.N.Murthy.	APEPDCL
53	Sri. K.Rajesh Kumar, Sun Edition.	APEPDCL
54	Er.A.Punna Rao, F.I.E., Convenor, Praja Energy Audit Cell, 59-2-1, 1st Lane, Ashok Nagar, Vijayawada - 520 010.	APEPDCL & APSPDCL
55	Sri. Penumalli Madhu, Secretary, Communist party of India (Marxist) Andhra Pradesh Committee, 1-1-60/2, M.B.Bhavan, RTC 'X' Roads, Hyderabad - 20.	APEPDCL & APSPDCL
56	Sri. Ch. Babu Rao, Secretariat Member, Communist party of India (Marxist) Andhra Pradesh Committee, 1-1-60/2, M.B.Bhavan, RTC 'X' Roads, Hyderabad-20.	APEPDCL & APSPDCL
57	Sri. Ajay Kumar, CPI.	APSPDCL
58	Sri. Sarath Chandra, Lok Satta.	APSPDCL
59	Sri. Chittipati Venkateswarlu, CPI (ML) New Democracy.	APSPDCL
60	Sri.Sk.Khajavali, President,GunturTown Consumers Association(Regd.No.281/90), D.No.6-2-70, 2/2, Arundelpet, Near Grand Venkatesh Hotel, Guntur - 522 002.	APSPDCL
61	Sri. Kolli Sivarama Reddy.	APSPDCL
62	Sri. Eamani Chandra Sekhar Rao, State President, Suridu Party, Kannavari Thota, Guntur.	APSPDCL
63	Sri. Syed Adam Saheb, B.Com., President, Consumer's Development Committee (Regd.No.87/94), D.No. 5-60-78/1, 5th Lane, Cobaldpet, Guntur - 522 002.	APSPDCL
64	Sri. Marrireddi Venkata Reddy, MCPI (U).	APSPDCL
65	Sri. Gudigantla Nageswara Rao, Vijayawada.	APSPDCL
66	Sri. Ramana Babu, Aam Admi Party.	APSPDCL
67	Sri. C.S.R.Koti Reddy.	APSPDCL
68	Sri. Chennakesavulu, Maala Mahanaadu.	APSPDCL
69	Sri. Meesala Basavapunnaiah, President, Andhra Pradesh State Hire Working(Non-Trading) Rice Millers Association, Panchalavarapuvari Street, 9th ward, Repalle-522 265.	APSPDCL
70	Sri. D.Raghavulu, Farmer.	APSPDCL
71	Sri. M.Krishna Mohan, Deputy Chief Executive Officer, Zilla Praja Parishad, Krishna District, Machilipatnam.	APSPDCL
72	Sri. Narra Nagendra Prasad,74-8/1-3A, J.D.Nagar, Patamata, Vijayawada-520010.	APSPDCL
73	Sri. Koganti Suresh Babu, S/o. Radha Krishna Murthy, Jampani (Post), Vemuru (Mandal), Guntur District - 522 261.	APSPDCL
74	Sri. Anil Reddy Vennam, Sr.Vice President, The Federation of Telangana and Andhra Pradesh Chambers of Commerce and Industry (Formerly known as FAPCCI), Federation House, FAPCCI Marg, Red Hills, Hyderabad - 500 004.	APEPDCL & APSPDCL
75	Smt. T.Sujatha, The Federation of Telangana and Andhra Pradesh Chambers of Commerce and Industry.	APEPDCL & APSPDCL
76	Sri. P. Shiva Kumar, The Federation of Telangana and Andhra Pradesh Chambers of Commerce and Industry.	APEPDCL & APSPDCL
77	Sri. Anmol Sethi, Indus Towers Ltd., Sy. No.133, 4-51, 8th Floor, SLN Terminus, Beside Botanical Garden, Gachibowli, Hyderabad - 500 032.	APEPDCL & APSPDCL

S. No.	Name and address of the Objector	Objection related to
78	Sri. Deshpande, Indus Towers Ltd.,	APEPDCL & APSPDCL
79	Sri. V.Sambi Reddy, Kollipara Village.	APSPDCL
80	Sri. Singineni Krishna Murthy.	APSPDCL
81	Sri. G. Sri Rambabu, Bharathiya Kisan Sangh.	APSPDCL
82	Sri. D.V.Laxminarayana, Journalist.	APSPDCL
83	Sri. Ch.Subrahmanya Sastry.	APSPDCL
84	Sri. Thatikonda Narasimha Rao, State Vice President, Nayee Brahmin Sangham.	APSPDCL
85	Sri. G.Krishna Kumar, Advocate, State Legal Cell Covenor, Bharathiya Kisan Sangh,D.No. 26-16-1, Vuyyuru Zamindaari Veedhi, Besides Raj-Yuvaraj Theatre, Gandhinagar, Vijayawada - 520003.	APSPDCL
86	Sri. Medasani Vijaya Bhaskar, District Secretary, Bharathiya Kisan Sangh, Krishna District, Andhra Pradesh.	APSPDCL
87	Sri. Kadiyala Nageswar Rao.	APSPDCL
88	Sri. Kandharapu Murali, State Committee Member, Communist Party of India (Marxist),M.B.Bhavan, Yasodha Nagar, Tirupathi-500 501.	APEPDCL & APSPDCL
89	Smt. Katari Sumitra.	APSPDCL
90	Sri.V.Nagaraju, Secretariat Member, Chittoor District Committee, Communist Party of India (Marxist), M.B. Bhavan, Yasodha Nagar, Tirupati-500 501.	APEPDCL & APSPDCL
91	Sri. T.Subrahmanyam, Communist Party of India (Marxist).	APSPDCL
92	Sri. S.Jayachandra, District Secretary, Farmers Association.	APSPDCL
93	Sri. Kakarla Guruswamy Naidu (Vaanadri), Soorinenivaripalle, Pakala (Mandal), Chittoor District-517 112.	APSPDCL
94	Sri. K.Rajendra Reddy, President, Rashtriya Raithu Seva Samithi, P.Kothakota, Via Pakala (S.O), Chittoor Dist-517 112.	APSPDCL
95	Sri. P.Maheswara Reddy, Om Sri Sai Ferro Alloys Pvt. Ltd., Thimmanagaripalem (V), Kadivedu (PO), Chillakur Mandal, SPSR Nellore Dist-524 410.	APSPDCL
96	Sri. B.Surendra Reddy, Managing Director, Om Sri Sai Ferro Alloys Pvt. Ltd.	APSPDCL
97	Sri. P.Gopala Naidu, S/o. P.R.Sankara Naidu, Nayanam Palli (V), Vavil Kota (post), Poothala Pattu(Mandal), Chittoor District - 517 127.	APSPDCL
98	Smt. P.Bharathi, C/o. Jaganandha Reddy Complex, Bazar Veedhi, Battala Shop, Poothala Pattu (V&P&M), Chittoor Dist-517 124.	APSPDCL
99	Sri. Jaidev Naidu.	APSPDCL
100	Smt. Bhulakshmi.	APSPDCL
101	Sri. K.Venugopala Reddy, President, Chittoor District Congress Committee.	APSPDCL
102	Sri. A.P.Bhakthavasthalam, Narayanavanam.	APSPDCL
103	Sri. Subrahmnayam Naidu.	APSPDCL
104	Sri. M.Venugopala Rao, Senior Journalist & Convenor, Centre for Power Studies,H.No. 7-1-408 to 413, Flat No. 203, Sri Sai Darsan Residency, Balkampet Road, Ameerpet, Hyderabad - 500 016.	APEPDCL & APSPDCL

S. No.	Name and address of the Objector	Objection related to
105	Sri. M.Krishna Murthy, Hyderabad.	APEPDCL & APSPDCL
106	Sri. Katuru Hari Kishore Kumar Reddy, S/o. Rama Krishna Reddy, Paturu (Post), Kovvuru Mandal, SPSR Nellore District.	APEPDCL & APSPDCL
107	Sri. Venkateswarlu Gadipudi, Dy.General Manager (Legal), AP&T, Vodafone South Limited, 6th Floor, Varun Tower-II, Begumpet, Hyderabad - 500 016.	APEPDCL & APSPDCL
108	Sri. Devadanam Pesaramalli, Manager-Corporate Affairs, AP&T, Vodafone South Limited.	APEPDCL & APSPDCL
109	Sri. M.K.Gupta, Chief Electrical Distribution Engineer, South Central Railway, Rail Nilayam, Secunderabad.	APEPDCL & APSPDCL
110	Sri. B.V.Ramana Kumar, Dy. CEE/TRD/HQ, South Central Railway, Secunderabad.	APEPDCL & APSPDCL
111	Sri. M.Thimma Reddy, Convenor, People's Monitoring Group on Electricity Regulation, 139-Kakatiya Nagar, Hyderabad - 500 008.	APEPDCL & APSPDCL
112	Sri. Sreekumar. N, Prayas Energy Group.	APEPDCL & APSPDCL
113	Sri. K.Raghu, Coordinator, Telangana Electricity Employees Joint Action Committee, 108, A-Block, Vidyut Soudha, Khairatabad, Hyderabad.	APEPDCL & APSPDCL
114	Sri I. Prabhakar Reddy, CPI (ML) New Democracy.	APEPDCL & APSPDCL
115	Sri. P.V.Subba Reddy, Mother Universal Services Trust (Regd. ATP 6BKL/98), Tirumala Pride, Malakpet Main Road, Hyderabad.	APEPDCL & APSPDCL
116	Sri.Donga Nageswara Rao, S/o.Sriramulu, Bharatiya Kisan Sangh, District President, Gangalaparru Agraharam, Ambazipeta Mandal, East Godavari District.	APEPDCL
117	Sri. Gopu Narayana Murthy, Bharathiya Kisan Sangh, Thatiparthi Village, Peddapuram Mandal, East Godavari District.	APEPDCL
118	Sri. T.Nageswara Rao, Bharathiya Kisan Sangh, Virava (Post), Peddapuram Mandal, East Godavari District.	APEPDCL
119	Sri. Nagam Ramesh Babu, Bharathiya Kisan Sangh, N.Chodavaram Village, Tuni Mandal, East Godavari District.	APEPDCL
120	Sri. N.Venkata Reddy, Managing Director, Sri Ramadas Paper Boards (P) Ltd., D.No.60-8-18, P&T Colony, Rajahmundry - 533 105.	APEPDCL
121	Sri. D.Ramaswamy Reddy, B.E., F.I.E., Superintending Engineer (Retd), APSEB, 21/72, Trunk Road, Opp. Collector's Office, Cuddapah-516 001.	APSPDCL
122	Sri. Goalla Hariprasad Chowdary, Ramabhadra Puram (village), 189, Kothapalli (Post), Gudipala Mandal, Chittoor District.	APSPDCL
123	Sri. P.Babu Kiran, S/o. P.Doraswamy Reddy, Samireddypalle (Village & Post), Penumuru (Mandal), Chittoor District - 517 126.	APSPDCL
124	Sri. K.Viswa Prakash Naidu, S/o. Muthyalu Naidu, Penumuru (Village & Post), Chittoor District - 517 126.	APSPDCL
125	Sri. S.Chinnaswamy Reddy, S/O. Venkata Reddy, Gantavari Palli, Jakkindona (Post), Penumuru (Mandal), Chittoor District - 517 126.	APSPDCL
126	Sri. G.Chandrasekhar, S/o. G. Narayanswamy Naidu, Gobbillamitta (Village), Penumuru (Post & Mandal), Chittoor District - 517 126.	APSPDCL
127	Sri. B. Dharma Reddy, Gantavaripalle, Jakkidona (Post), Penumuru (Mandal), Chittoor Dist-517 126.	APSPDCL

S. No.	Name and address of the Objector	Objection related to
128	Sri. P.Nagaraju, B.Tech., Managing Director, The Kuppam Rural Electric Co-Op. Society Ltd., #14-308, Palace Road, Kuppam-517 425, Chittoor District.	APSPDCL
129	Sri. Raavi Ranganath Babu, Devarapalli Village, Parchuru (Mandal), Prakasam District.	APSPDCL
130	Sri. Addagada Satish Kumar, S/o. Addagada Venkatarao, Nagulapalem Village, Parchuru (Mandal), Prakasam District - 523 169.	APSPDCL
131	Sri. Gadagottu Srirambabu, S/o. G.Kotaiah, Poluru (Post), Yaddanapudi (Mandal), Prakasam District - 523 171.	APSPDCL
132	Sri. C. V. Mohan Rao, Secretary, Repalle Pattanabhivrudhi Sangham (Regd. No.6/1983), Repalle - 522 265, Guntur Dist.	APSPDCL
133	Sri. G.V.Jayachandra Chowdary, S/o. G.Venkatappa Naidu, G.Gollapalle (Village & Post), Thavanampalle (Mandal), Chittoor District.	APSPDCL
134	Sri. M.Venkaiah, S/o. Late M. Ramanaiah, Secretary, Tirumala Tirupati Lodge & Hotel Owners Association and Executive Secretary, Andhra Pradesh Hotels Association.	APSPDCL
135	Managing Director, M/s. Upputuramma Hotels & Resorts (P) Ltd. (Hotel Sindhuri Park), Tirupati.	APSPDCL
136	Sri. H. S. Asharoor, S/o. H. S. Sabeer, Downstreet, 5-125, Kallur (Post), Chittoor District -517 113.	APSPDCL
137	Sri. Pacharla Ramachandra, S/o. Gangaiah, Pacharlavaripalli, Mathukuvaripalle (Post), (Via) Kalluru - 517113, Chittoor District.	APSPDCL
138	Sri. K.Venkatrama Reddy, President, Nyaya Samkshema Seva Samithi, Srnivasapuram, (Via) Kalluru-517 113, Chittoor District.	APSPDCL
139	Sri. Palakuri Subrahmanyam, S/o. P. Changaiah, Surinenivaripalle, Pakala (Mandal) - 517112, Chittoor District.	APSPDCL
140	Sri. D. Narasimhulu Naidu, S/o.Doraswamy Naidu, Srinivasapuram, Adenapalli, Sankampalli (Post), Paakala (Mandal), Chittoor District-517 112.	APSPDCL
141	Sri. C.Chinnaswamy, S/o. C. Kondaiah, Bharathammita, D.No. 5/179, Paakala (Post & Mandal), Chittoor District.	APSPDCL
142	Sri. R.Kishore, Sr. Engineer (Electrical), Amara Raja Batteries Ltd., Karakambadi, Tirupati - 517 520.	APSPDCL
143	Er. Ch.Venkateswarlu, BE., FIE., FICA, Chairman, Rythu Samaikhya, Plot No. 302, 33-10-14, Seethampuram, Vijayawada - 520 002.	APEPDCL & APSPDCL
144	Federation of Farmers Associations, Andhra Pradesh, H.No. 1-191, Railway Wagon Work Shop Road, Guntupalli - 521 241, Ibrahimpatam (Mandal), Krishna District.	APEPDCL & APSPDCL
145	Sri. Y.Sambasiva Rao, Communist Party of India (ML) New Democracy, D.No. 53-4-40/1, Ramanarsaiah Bhavan, Krithurajapuram, Vijayawada- 8	APEPDCL & APSPDCL
146	Smt. M.Lakshmi, Pragathiseela Mahila Sangam, Andhra Pradesh, D.No. 53-4-40/1, Ramanarsaiah Bhavan, Krithurajapuram, Vijayawada - 8.	APEPDCL & APSPDCL
147	Sri. M.Durgaprasad, Akhila Bharatha Rythu Coolie Sangham, Andhra Pradesh, D.No. 53-4-40/1, Ramanarsaiah Bhavan, Krithurajapuram, Vijayawada - 8.	APEPDCL & APSPDCL
148	Sri. A. Ravichandra, State President, Pragathiseela Prajaswamy Vidyarthi Sangham, Andhra Pradesh, D.No. 53-4-40/1, Ramanarsaya Bhavan, Krithurajapuram, Vijayawada - 8.	APEPDCL & APSPDCL

S. No.	Name and address of the Objector	Objection related to
149	Sri. Sariyam Rammohan, State Chief Secretary, Pragathiseela Prajaswamy Vidyarthi Sangham, Andhra Pradesh, D.No. 53-4-40/1, Ramanarsaya Bhavan, Krithurajapuram, Vijayawada - 8.	APEPDCL & APSPDCL
150	Sri. M.A.Gafoor, Secretariat Member, CPI (M), Andhra Pradesh Committee, 1-1-60/2, M.B.Bhavan, RTC 'X' Roads, Hyderabad - 20.	APEPDCL & APSPDCL
151	Sri. Yarlagadda Venkateswara Rao, Secretariat Member, CPI (M), Andhra Pradesh Committee, 1-1-60/2, M.B.Bhavan, RTC 'X' Roads, Hyderabad- 20.	APEPDCL & APSPDCL
152	Sri. Sidhartha Das, Vice President-Commercial, Hinduja National Power Corporation Ltd.	APEPDCL & APSPDCL
153	M/s. Viom Networks Limited, 4th Floor, Gowra Plaza, D.No. 1-8-304-307/381/444, Sardar Patel Road, Begumpet, Secunderabad - 500 003.	APEPDCL & APSPDCL
154	Sri. Sandeep Ramesh, Executive Director, NILE Limited, Plot No. 149 A, Old MLA Colony, Road No. 12, Banjara Hills, Hyderabad - 500 034.	APEPDCL & APSPDCL
155	Sri. K.Kumara Reddy, Communist Party of India (Marxist), M.B. Bhavan, Yasodha Nagar, Tirupati - 500 501.	APEPDCL & APSPDCL
156	Dr. Divakar Babu, Secretary, Consumer's Guidance Society, D.No.57-14-16, Church Road, P&T Colony, 2nd Lane, Vijayawada, Krishna District-520 010.	APEPDCL & APSPDCL
157	Sri. A. Bhaskar Reddy, S/o. A. C. Bontha Reddy, Karinapalle, P.Kothakota (Post), Pakala (SO), Chittoor District-517 112.	APSPDCL
158	Sri. S. Narasimhulu Naidu, S/o. Chengaiah Naidu, Kalluru - 571 113, Pulicharla (Mandal), Chittoor District.	APSPDCL
159	Sri. N. Muni Ratnam Reddy, S/o. N. Anna Reddy, Ganugapenta, P.R.Puram (P.O.), Pakala (Mandal), Chittoor District.	APSPDCL
160	Sri. S. Changelraya Reddy, Cherlopalle, Swathantra Rythu Sanghala Adhyakshulu, P.Kothakota (Post), Puthalapattu (Mandal), Chittoor District.	APSPDCL
161	Sri. R. Kesavulu Naidu, Konapareddypalle, Paakala, Chittoor District.	APSPDCL
162	Sri. G.V.D. Prasadchary, Rajulakandiga (Village), Mathibaka Gramapanchayathi, Erpedu (Mandal), Chittoor District.	APSPDCL
163	Dr.V.Sundar Naidu, President, Andhra Pradesh Poultry Federation(Regd.No.392/1975), 3-5-823, 2nd Floor, Hyderabad Business Centre, Hyderguda, Hyderabad-500029.	APEPDCL & APSPDCL
164	President, East Godavari District Branch, Andhra Pradesh State Poultry Federation, Kakinada.	APEPDCL
165	Sri. Pulla Anjaneyulu, Sir Arthur Cotton Nursery Farmers Association Kadiyam, Kadiyapulanka, Kadiyam, East Godavari District.	APEPDCL
166	Sri. K. Polari, Chief Secretary, IFTU, Andhra Pradesh, Besides BSNL Office, Chittivalasapakalu, GNT Road, Eluru - 2.	APEPDCL
167	Sri. Chiriki Satyanarayana, Member, State Level Farmer's Advisory Committee (ATMA), Yedla Street, Chodavaram.	APEPDCL
168	Sri. U. Narayana Raju, B.E, FIE, Dy. Chief Engineer (Retd), 202, Jyothi Residency, Daspalla Hills, Visakhapatnam - 530 003.	APEPDCL
169	Sri. B. Hume Sastry, Chief Engineer (Retd), President-Pensioners Association, 1RA, JK Modern Homes, Maharanieta, Visakhapatnam - 530 002.	APEPDCL

S. No.	Name and address of the Objector	Objection related to
170	Sri. Danda Prasad, Deputy Chairman, Andhra Pradesh Spinning Mills Association, "Sai Plaza", 1st Floor, Above Bank of India, 1st Line, Chandramouli Nagar, Guntur - 522 007.	APEPDCL & APSPDCL
171	Dr. B. Ganga Rao, M.A., M.A., Ph.D., Secretary, Visakha City Committee Communist Party of India (Marxist), 9-33-4, Pithapuramcolony, Maddilapalam, Visakhapatnam - 530 003.	APEPDCL & APSPDCL
172	Sri. K.Lokanadham, Secretary, Visakha District Committee, CPI (M), 28-6-8, N.P.R.Bhavan, Jagadamba, Visakhapatnam- 520 020.	APEPDCL & APSPDCL
173	Sri. D. Venkanna, Secretary, Visakha District Committee, Andhra Pradesh Agriculture Workers Union, 28-6-8, N.P.R.Bhavan, Jagadamba, Visakhapatnam - 520 020.	APEPDCL & APSPDCL
174	Sri. P. Narendranath Chowdary, Managing Director, The Andhra Sugars Limited, and Chemicals & Fertilisers Division, Kovvur - 534 350, West Godavari District.	APEPDCL
175	Sri. B.V.Narasimham, Factory Manager, ITC Limited, Agri Business Division Ltd., Chirala - 523 157.	APSPDCL
176	Sri. M. Prasada Rao, D.No. 23-80, Srinivasanagar, Simhachalam Road, Visakhapatnam - 530 028.	APEPDCL
177	Sri. O.Satyanarayana Reddy.	APSPDCL
178	M/s. Teamec Chlorates Limited, Plots 558 & 559, APIIC Growth Centre, Gundlapalli (V), Maddipadu (M), Prakasam District, Ongole - 523 211.	APSPDCL
179	Sri. A. Ramakrishna Reddy, President, East Godavari Rice Millers Association (Regd.), Kakinada - 533 001.	APEPDCL
180	Smt. Kancharla Satya Kumari, 8-49, Peddaveedhi, Ambajipeta - 533 214.	APEPDCL
181	Sri. S. Veerreddy, Secretary, All India Shrimp Hatcheries Association, Kakinada Regional Chapter, #3-43, Vijaya Gardens, A.P.S.P. Post, Kakinada-533 005.	APEPDCL
182	Sri. P. Subba Reddy, Chairman, National Egg Co-ordination Committee, East Godavari Zone, Anaparthi Region Poultry Farmers Welfare Society Building, Near Railway Station, Anaparthi - 533 342, East Godavari District.	APEPDCL
183	Sri. M.Sriramulu Reddy, G.Gollapalli.	APSPDCL
184	Sri. Y. Siddaiah Naidu, President, Chittoor District Farmers Association (Regd. No. 833/96), Diguvamagham (Village), Tavanampalli (Mandal), Chittoor District-517 129.	APSPDCL
185	Sri. W. Raja Naidu.	APEPDCL & APSPDCL
186	Sri. Jangam Naidu.	APEPDCL & APSPDCL
187	Sri. J.V.Mallam.	APEPDCL & APSPDCL
188	Sri. Sandeep, Sr. General Manager, Anjaneya Ferro Alloys.	APEPDCL & APSPDCL
189	Sri Vijay Gopal Reddy.	APEPDCL & APSPDCL

ANNEXURE - 05
Energy Availability as per Filings for FY2015-16 (MU)

Generating Station	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Total
APGENCO/TSGENCO													
Thermal													
Dr. NTPPS Stage-I,II&III	302.90	312.96	303.16	312.96	260.54	253.80	288.01	253.80	286.36	312.96	282.69	312.96	3483.08
Dr.NTPPS Stage-IV	120.10	123.80	120.10	124.10	124.17	120.10	124.17	120.10	64.05	124.17	112.09	124.17	1401.11
RTPP Stage-I	99.25	102.55	99.25	52.94	102.55	99.25	102.55	99.25	102.55	102.55	92.63	102.55	1157.85
RTPP Stage-II	101.28	104.64	101.28	104.64	104.64	101.28	54.00	77.65	104.64	104.64	94.52	104.64	1157.85
RTPP Stage-III	49.76	51.41	49.76	51.41	51.41	23.36	51.41	49.76	51.41	51.41	46.44	51.41	578.92
KTPS-ABC	183.47	189.59	168.18	181.94	166.14	145.76	174.30	175.83	159.01	189.59	177.36	189.59	2100.74
KTPS-V	135.95	140.48	135.95	140.48	106.49	135.95	70.24	101.96	140.48	140.48	131.42	140.48	1520.38
KTPS-VI	138.19	142.80	138.19	73.70	142.80	138.19	142.80	138.19	142.80	142.80	133.59	142.80	1616.84
KTPP-I	138.19	142.80	138.19	142.80	142.80	138.19	142.80	69.10	142.80	142.80	133.59	142.80	1616.84
RTS-B	16.05	16.58	16.05	16.58	16.58	16.05	16.58	8.02	16.58	16.58	15.51	16.58	187.78
Damodaram Sanjeevaiah Thermal Power Plant - I	403.92	417.38	403.92	417.38	417.38	403.92	417.38	403.92	417.38	417.38	376.99	417.38	4914.36
Damodaram Sanjeevaiah Thermal Power Plant - II	403.92	417.38	403.92	417.38	417.38	403.92	417.38	403.92	417.38	417.38	376.99	417.38	4914.36
Total Thermal	2092.97	2162.37	2077.95	2036.32	2052.89	1979.77	2001.63	1901.49	2045.45	2162.74	1973.80	2162.74	24650.13
Hydel													
Machkund HES AP Share	13.69	13.22	10.63	12.59	12.97	13.93	14.23	12.73	12.43	13.38	12.19	12.70	154.68
Tungabhadra HES AP Share	1.20	0.24	0.07	3.62	10.28	9.91	9.39	7.83	6.35	6.60	4.97	4.75	65.20
USL HES	36.55	30.45	28.88	37.32	36.41	30.92	31.32	29.15	35.28	43.77	46.12	55.85	442.03
LSR HES	97.18	82.27	70.54	87.68	92.40	89.24	90.19	78.36	84.43	101.91	103.15	116.27	1093.60
Donkarayi Canal PH	7.95	6.12	4.46	5.93	7.67	7.61	8.39	7.49	8.68	10.41	10.42	11.39	96.53
SRBHES	75.94	24.21	15.46	30.04	293.22	275.79	133.34	81.55	43.61	66.09	76.33	105.99	1221.57
NSRCPH	1.67	0.00	0.00	0.61	13.87	26.24	32.09	28.68	20.91	13.26	6.92	4.28	148.52
Small hydel	0.03	0.09	0.08	0.09	1.45	1.18	1.00	0.77	0.22	0.13	0.27	0.18	5.47

Generating Station	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Total
Mini Hydel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N'sagar Tail Pond Dam PH	3.96	1.98	4.95	10.89	17.82	20.79	18.81	24.75	24.75	24.75	14.85	4.95	173.25
Total Hydro	238.17	158.57	135.07	188.78	486.09	475.60	338.76	271.30	236.66	280.30	275.22	316.34	3400.87
Total APGENCO	2331.14	2320.94	2213.02	2225.10	2538.98	2455.37	2340.38	2172.79	2282.10	2443.04	2249.02	2479.09	28050.99
	NTPC												
NTPC (SR) Stage I & II	183.78	189.90	168.14	189.90	157.89	140.11	198.01	155.19	162.45	179.23	177.10	198.01	2099.71
NTPC (SR) Stage III	50.35	51.97	50.35	10.07	51.97	50.35	54.24	52.46	54.24	54.24	49.05	54.24	583.54
Talcher Stage 2	103.56	108.06	88.11	77.24	86.90	100.02	109.69	106.15	109.69	110.90	100.11	110.90	1211.32
NTPC Simhadri Stage I	277.74	287.00	277.74	287.00	287.00	277.74	287.00	277.74	287.00	287.00	268.49	287.00	3388.48
NTPC Simhadri Stage II	143.48	148.26	143.48	148.26	148.26	143.48	148.26	143.48	148.26	148.26	138.70	148.26	1750.46
Total NTPC	758.92	785.19	727.82	712.47	732.04	711.71	797.21	735.02	761.64	779.64	733.44	798.41	9033.51
	NLC TS-II												
NLC Stage-I	24.83	25.75	24.99	25.52	25.06	20.25	12.45	14.67	9.17	24.07	23.76	25.52	256.05
NLC Stage-II	44.13	45.64	44.33	29.96	32.67	30.56	39.31	31.57	38.40	45.24	42.73	45.12	469.66
Total NLC	68.97	71.39	69.32	55.48	57.73	50.81	51.76	46.24	47.57	69.31	66.49	70.64	725.71
	NPC												
NPC-MAPS	8.92	9.23	8.92	9.23	9.23	8.92	4.62	7.35	9.23	9.23	8.29	9.23	102.41
NPC-Kaiga unit I & II	30.18	31.15	30.18	31.15	31.15	30.18	31.15	15.09	31.15	31.15	27.99	31.15	351.68
NPC-Kaiga unit III & IV	31.96	32.99	31.96	32.99	32.99	31.96	32.99	31.96	16.49	32.99	29.64	32.99	371.88
NPC-Kudamkulam	0.00	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 NPC	71.05	73.37	71.05	73.37	73.37	71.05	68.75	54.40	56.88	73.37	65.92	73.37	825.96
	CGS- New												
Vallur Thermal Power Plant	48.20	48.20	47.54	47.54	42.84	48.20	50.21	48.20	52.22	50.21	44.19	50.21	577.75
Tuticorin plant	55.02	56.86	55.02	56.86	56.86	55.02	56.86	55.02	56.86	56.86	51.35	56.86	669.45
Total CGS	1002.15	1035.01	970.75	945.72	962.84	936.79	1024.79	938.88	975.17	1029.39	961.39	1049.50	11832.38
	APGPCL												
APGPCL I	1.57	1.62	1.57	1.62	1.13	1.57	1.62	1.57	1.62	1.62	1.52	1.62	18.64
APGPCL II	5.30	5.47	5.30	5.47	5.47	5.29	5.47	5.29	5.47	5.47	4.59	5.47	64.06
Total APGPCL	6.87	7.09	6.87	7.09	6.60	6.86	7.09	6.86	7.09	7.09	6.11	7.09	82.69

Generating Station	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Total
IPPs													
GVK	34.16	34.04	40.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.65
Spectrum	38.58	34.29	37.71	35.52	33.85	30.73	34.09	44.68	59.22	49.31	45.46	43.62	487.07
Lanco	51.65	53.37	51.65	53.37	53.37	51.65	53.37	51.65	53.37	0.00	0.00	0.00	473.41
Reliance	17.98	17.98	17.98	17.98	17.98	17.98	17.98	17.98	17.98	17.98	17.98	17.98	215.78
Total IPPS	142.37	139.68	147.78	106.87	105.20	100.35	105.44	114.31	130.57	67.29	63.44	61.60	1284.91
NCE													
NCE - Bio-Mass	9.41	15.48	16.78	18.88	16.89	16.09	19.21	19.43	15.76	16.53	16.00	19.63	200.09
NCE - Bagasse	7.48	3.82	2.45	0.08	11.36	9.82	6.58	6.75	11.99	17.00	13.28	14.41	105.02
NCE - Industrial & Municipal Waste based power	1.40	2.10	1.61	1.71	1.84	1.71	1.95	2.77	1.45	2.11	1.74	1.70	22.09
NCE - Wind Power	0.00	197.95	395.91	395.91	395.91	395.91	197.95	0.00	0.00	0.00	0.00	0.00	1979.54
NCE - Mini Hydel	1.78	3.87	6.35	5.29	9.77	21.58	21.59	9.87	1.70	1.47	1.21	1.52	86.00
NCE-NCL Energy	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	7.44
NCE-Solar	29.22	29.22	29.22	33.37	33.37	33.37	36.14	36.14	36.14	36.14	36.14	36.14	404.61
Total NCE	49.91	253.06	452.94	455.86	469.76	479.10	284.04	75.58	67.66	73.87	68.99	74.02	2804.79
Others													
Srivathsa	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	44.23
KSK Mahanadi	122.84	122.84	122.84	122.84	122.84	122.84	122.84	122.84	122.84	122.84	122.84	122.84	1474.04
Hinduja Thermal Power Plant	269.17	278.16	269.17	556.32	556.32	538.35	556.32	538.35	556.32	556.32	520.37	556.32	5751.51
Thermal Powertech Plant	132.44	136.85	132.44	136.85	136.85	132.44	136.85	132.44	136.85	136.85	128.02	136.85	1615.69
Total others	528.13	541.53	528.13	819.69	819.69	797.31	819.69	797.31	819.69	819.69	774.91	819.69	8885.48
Short term including Jhajjar	1140.21	1178.22	1385.01	1431.18	1431.18	1385.01	1431.18	1385.01	1431.18	1431.18	1298.04	1431.18	16358.59
Total (From All Sources)	5200.78	5475.54	5704.50	5991.51	6334.25	6160.79	6012.62	5490.74	5713.47	5871.55	5421.90	5922.17	69299.83

ANNEXURE - 06

Energy Availability as per Approval of APERC for FY2015-16 (MU)

Generating Station	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Total
	APGENCO/TSGENCO												
Thermal													
Dr. NTPPS Stage-I,II&III	343.54	354.95	343.84	354.95	295.81	288.17	326.33	288.17	324.43	354.95	320.61	354.95	3950.69
Dr.NTPPS Stage-IV	138.19	142.46	138.19	142.80	142.88	138.19	142.88	138.19	73.70	142.88	128.98	142.88	1612.24
RTPP Stage-I	114.20	117.99	114.20	60.91	117.99	114.20	117.99	114.20	117.99	117.99	106.58	117.99	1332.23
RTPP Stage-II	114.20	117.99	114.20	117.99	117.99	114.20	60.88	87.55	117.99	117.99	106.58	117.99	1305.56
RTPP Stage-III	57.10	59.00	57.10	59.00	59.00	26.81	59.00	57.10	59.00	59.00	53.29	59.00	664.37
KTPS-ABC	183.47	189.59	168.18	181.94	166.14	145.76	174.30	175.83	159.01	189.59	177.36	189.59	2100.74
KTPS-V	135.95	140.48	135.95	140.48	106.49	135.95	70.24	101.96	140.48	140.48	131.42	140.48	1520.38
KTPS-VI	138.19	142.80	138.19	73.70	142.80	138.19	142.80	138.19	142.80	142.80	133.59	142.80	1616.84
KTPP-I	138.19	142.80	138.19	142.80	142.80	138.19	142.80	69.10	142.80	142.80	133.59	142.80	1616.84
RTS-B	16.05	16.58	16.05	16.58	16.58	16.05	16.58	8.02	16.58	16.58	15.51	16.58	187.78
Damodaram Sanjeevaiah Thermal Power Plant - I	430.85	445.21	430.85	445.21	445.21	430.85	445.21	430.85	445.21	445.21	402.12	445.21	5241.98
Damodaram Sanjeevaiah Thermal Power Plant - II	430.85	445.21	430.85	445.21	445.21	430.85	445.21	430.85	445.21	445.21	402.12	445.21	5241.98
Total Thermal	2240.78	2315.05	2225.79	2181.57	2198.91	2117.41	2144.22	2040.02	2185.20	2315.48	2111.75	2315.48	26391.65
Hydel													
Machkund HES AP Share	13.69	13.22	10.63	12.59	12.97	13.93	14.23	12.73	12.43	13.38	12.19	12.70	154.68
Tungabadra HES AP Share	1.20	0.24	0.07	3.62	10.28	9.91	9.39	7.83	6.35	6.60	4.97	4.75	65.20
USL HES	36.55	30.45	28.88	37.32	36.41	30.92	31.32	29.15	35.28	43.77	46.12	55.85	442.03
LSR HES	97.18	82.27	70.54	87.68	92.40	89.24	90.19	78.36	84.43	101.91	103.15	116.27	1093.60
Donkarayi Canal PH	7.95	6.12	4.46	5.93	7.67	7.61	8.39	7.49	8.68	10.41	10.42	11.39	96.53
SRBHES	75.94	24.21	15.46	30.04	293.22	275.79	133.34	81.55	43.61	66.09	76.33	105.99	1221.57

Generating Station	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Total
NSRCPH	1.67	0.00	0.00	0.61	13.87	26.24	32.09	28.68	20.91	13.26	6.92	4.28	148.52
Small hydel	0.03	0.09	0.08	0.09	1.45	1.18	1.00	0.77	0.22	0.13	0.27	0.18	5.47
Mini Hydel	0.13	0.00	0.07	0.38	0.30	0.33	0.07	0.05	0.28	0.39	0.28	0.37	2.62
N'sagar Tail Pond Dam PH	3.96	1.98	4.95	10.89	17.82	20.79	18.81	24.75	24.75	24.75	14.85	4.95	173.25
Total Hydro	238.29	158.57	135.14	189.16	486.39	475.93	338.83	271.35	236.94	280.69	275.50	316.71	3403.49
Total APGENCO	2479.07	2473.62	2360.93	2370.73	2685.29	2593.34	2483.05	2311.37	2422.13	2596.17	2387.25	2632.19	29795.14
	NTPC												
NTPC (SR) Stage I & II	208.68	173.25	170.16	176.56	193.86	150.48	170.06	204.06	211.56	202.59	190.09	190.09	2241.43
NTPC (SR) Stage III	53.47	53.57	52.35	39.24	19.90	48.02	54.16	52.17	52.68	50.68	52.14	52.14	580.51
Talcher Stage 2	121.93	125.12	92.72	91.22	108.53	116.58	123.77	120.75	129.16	122.85	121.09	121.09	1394.81
NTPC Simhadri Stage I	317.75	317.03	307.68	313.72	249.84	308.55	204.4	182.18	241.25	297.53	294.17	294.17	3328.27
NTPC Simhadri Stage II	143.77	142.32	131.38	128.99	84.24	65.51	78.07	128.79	131.51	133.71	134.35	134.35	1436.98
Total NTPC	845.59	811.28	754.29	749.73	656.37	689.14	630.46	687.96	766.16	807.36	791.83	791.83	8982.00
	NLC TS-II												
NLC Stage-I	29.61	30.70	29.79	30.43	29.88	24.14	14.85	17.49	10.93	28.70	28.33	30.43	305.28
NLC Stage-II	52.07	53.84	52.30	35.34	38.55	36.05	46.37	37.24	45.31	53.37	50.41	53.49	554.34
Total NLC	81.67	84.55	82.09	65.77	68.43	60.20	61.22	54.73	56.24	82.07	78.74	83.92	859.61
	NPC												
NPC-MAPS	9.45	8.43	9.41	9.91	9.89	9.28	5.50	6.72	2.45	8.59	9.28	9.28	98.20
NPC-Kaiga unit I & II	31.21	32.23	31.21	32.23	32.23	31.21	32.23	31.21	16.11	32.23	30.18	32.23	364.49
NPC-Kaiga unit III & IV	16.56	34.01	33.11	34.01	34.01	33.11	34.01	33.11	34.01	34.01	31.91	34.01	385.88
NPC-Kudamkulam	21.06	21.06	21.06	21.06	21.06	21.06	21.06	21.06	21.06	21.06	21.06	21.06	252.72
Total NPC	78.27	95.73	94.79	97.21	97.19	94.66	92.80	92.10	73.64	95.89	92.43	96.58	1101.29
	CGS- New												
Vallur Thermal Power Plant	44.58	44.58	43.96	43.96	39.63	44.58	46.44	44.58	48.30	46.44	40.87	46.44	534.39
Tuticorin Thermal Plant	31.79	63.58	63.58	63.58	63.58	63.58	63.58	63.58	63.58	63.58	63.58	63.58	731.19

Generating Station	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Total
Total CGS	1081.91	1099.72	1038.71	1020.26	925.19	952.15	894.51	942.96	1007.92	1095.34	1067.45	1082.35	12208.48
	APGPCL												
APGPCL I	1.96	2.03	1.96	2.03	2.03	1.96	2.03	1.96	2.03	2.03	1.76	2.03	23.79
APGPCL II	6.62	6.84	6.62	6.84	6.84	6.62	6.84	6.62	6.84	6.84	5.95	6.84	80.27
Total APGPCL	8.58	8.86	8.58	8.86	8.86	8.58	8.86	8.58	8.86	8.86	7.72	8.86	104.06
	IPPs												
GVK	34.17	34.04	40.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.65
Spectrum	38.58	34.30	37.71	35.53	33.85	30.73	34.09	44.69	59.23	49.31	45.46	43.62	487.10
Lanco	51.65	53.37	51.65	53.37	53.37	51.65	53.37	51.65	53.37	0.00	0.00	0.00	473.44
Reliance	17.98	17.98	17.98	17.98	17.98	17.98	17.98	17.98	17.98	17.98	17.98	17.98	215.79
Total IPPS	142.38	139.69	147.79	106.88	105.20	100.36	105.44	114.32	130.58	67.29	63.45	61.60	1284.99
	NCE												
NCE - Bio-Mass	9.41	15.48	16.78	18.88	16.89	16.09	19.21	19.43	15.76	16.53	16	19.63	200.09
NCE - Bagasse	7.48	3.82	2.45	0.08	11.36	9.82	6.58	6.75	11.99	17	13.28	14.41	105.02
NCE - Industrial & Muncipal Waste based power	1.4	2.1	1.61	1.71	1.84	1.71	1.95	2.77	1.45	2.11	1.74	1.7	22.09
NCE - Wind Power	0	197.95	395.91	395.91	395.91	395.91	197.95	0	0	0	0	0	1979.54
NCE - Mini Hydel	1.78	3.87	6.35	5.29	9.77	21.58	21.59	9.87	1.7	1.47	1.21	1.52	86.00
NCE-NCL Energy	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	7.44
NCE-Solar	29.22	29.22	29.22	33.37	33.37	33.37	36.14	36.14	36.14	36.14	36.14	36.14	404.61
Total NCE	49.91	253.06	452.94	455.86	469.76	479.10	284.04	75.58	67.66	73.87	68.99	74.02	2804.79
	Others												
Srivathsa	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	44.23
KSK Mahanadi	98.27	95.35	19.67	132.87	90.33	131.04	126.84	111.37	112.30	112.30	112.30	112.30	1254.92
Hinduja Thermal Plant	280.05	280.05	280.05	560.10	560.10	560.10	560.10	560.10	560.10	560.10	560.10	560.10	5881.08
Thermal Powertech Plant	124.17	124.17	124.17	124.17	124.17	124.17	124.17	124.17	124.17	124.17	124.17	124.17	1489.98
Total others	506.17	503.25	427.57	820.82	778.28	818.99	814.79	799.32	800.25	800.25	800.25	800.25	8670.21
Short term Sources	78.08	0.00	0.00	0.00	0.00	0.00	0.00	13.42	0.00	106.11	266.13	292.85	756.60
Total (From All Sources)	4346.10	4478.22	4436.52	4783.41	4972.60	4952.53	4590.70	4265.54	4437.41	4747.89	4661.23	4952.13	55624.27

ANNEXURE - 07

Energy Despatch as per Approval of APERC for FY2015-16 (MU)

Generating Station	Variable Rate (Rs/KWh)	Energy Despatch (MU)												
		Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Total
NCE - Bio-Mass	5.85	9.41	15.48	16.78	18.88	16.89	16.09	19.21	19.43	15.76	16.53	16	19.63	200.09
NCE - Bagasse	4.11	7.48	3.82	2.45	0.08	11.36	9.82	6.58	6.75	11.99	17	13.28	14.41	105.02
NCE - Industrial Waste	4.54	1.33	2.03	1.54	1.64	1.77	1.64	1.88	2.7	1.38	2.04	1.67	1.64	21.26
NCE-Municipal waste	4.94	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.83
NCE - Wind Power	4.32	0.00	197.95	395.91	395.91	395.91	395.91	197.95	0.00	0.00	0.00	0.00	0.00	1979.54
NCE - Mini Hydel	2.22	1.78	3.87	6.35	5.29	9.77	21.58	21.59	9.87	1.7	1.47	1.21	1.52	86.00
NCE-NCL Energy	2.22	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	7.44
NCE-Solar	4.69	29.22	29.22	29.22	33.37	33.37	33.37	36.14	36.14	36.14	36.14	36.14	36.14	404.61
NPC-MAPS	2.01	9.45	8.43	9.41	9.91	9.89	9.28	5.50	6.72	2.45	8.59	9.28	9.28	98.20
NPC-Kaiga unit I & II	3.03	31.21	32.23	31.21	32.23	32.23	31.21	32.23	31.21	16.11	32.23	30.18	32.23	364.49
NPC-Kaiga unit III & IV	3.03	16.56	34.01	33.11	34.01	34.01	33.11	34.01	33.11	34.01	34.01	31.91	34.01	385.88
NPC-Kudamkulam	3.50	21.06	21.06	21.06	21.06	21.06	21.06	21.06	21.06	21.06	21.06	21.06	21.06	252.72
MACHKUND HES AP Share	0.00	13.69	13.22	10.63	12.59	12.97	13.93	14.23	12.73	12.43	13.38	12.19	12.70	154.68
TUNGBHADRA HES AP Share	0.00	1.20	0.24	0.07	3.62	10.28	9.91	9.39	7.83	6.35	6.60	4.97	4.75	65.20
USL HES	0.00	36.55	30.45	28.88	37.32	36.41	30.92	31.32	29.15	35.28	43.77	46.12	55.85	442.03
LSR HES	0.00	97.18	82.27	70.54	87.68	92.40	89.24	90.19	78.36	84.43	101.91	103.15	116.27	1093.60
DONKARAYI Canal PH	0.00	7.95	6.12	4.46	5.93	7.67	7.61	8.39	7.49	8.68	10.41	10.42	11.39	96.53
SRBHES	0.00	75.94	24.21	15.46	30.04	293.22	275.79	133.34	81.55	43.61	66.09	76.33	105.99	1221.57
NSRCPH	0.00	1.67	0.00	0.00	0.61	13.87	26.24	32.09	28.68	20.91	13.26	6.92	4.28	148.52

Generating Station	Variable Rate (Rs/KWh)	Energy Despatch (MU)												
		Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Total
PABH HES	0.00	0.03	0.09	0.08	0.09	1.45	1.18	1.00	0.77	0.22	0.13	0.27	0.18	5.47
MINI HYDRO PLANTS	0.00	0.13	0.00	0.07	0.38	0.30	0.33	0.07	0.05	0.28	0.39	0.28	0.37	2.62
N'sagar Tail pond	0.00	3.96	1.98	4.95	10.89	17.82	20.79	18.81	24.75	24.75	24.75	14.85	4.95	173.25
NLC Stage-I	1.40	29.61	30.70	29.79	30.43	29.88	24.14	14.85	17.49	10.93	28.70	28.33	30.43	305.28
NLC Stage-II	1.47	52.07	53.84	52.30	35.34	38.55	36.05	46.37	37.24	45.31	53.37	50.41	53.49	554.34
Talcher Stage 2	1.50	121.93	125.12	92.72	91.22	108.53	116.58	123.77	120.75	129.16	122.85	121.09	121.09	1394.81
KTPS-V	1.58	135.95	140.48	135.95	140.48	106.49	135.95	70.24	101.96	140.48	140.48	131.42	140.48	1520.38
Thermal Powertech plant	1.76	124.17	124.17	124.17	124.17	124.17	124.17	124.17	124.17	124.17	124.17	124.17	124.17	1489.98
Hinduja Thermal Plant	1.86	280.05	280.05	280.05	560.10	560.10	560.10	560.10	560.10	560.10	560.10	560.10	560.10	5881.08
KTPS-ABC	2.03	183.47	189.59	168.18	181.94	166.14	145.76	174.30	175.83	159.01	189.59	177.36	189.59	2100.74
Vallur Thermal Power Plant	2.03	44.58	44.58	43.96	43.96	39.63	44.58	46.44	44.58	48.30	46.44	40.87	46.44	534.39
KTPP-I	2.13	138.19	142.80	138.19	142.80	142.80	138.19	142.80	69.10	142.80	142.80	133.59	142.80	1616.84
Lanco Kondapalli	2.28	51.65	53.37	51.65	53.37	53.37	51.65	53.37	51.65	53.37	0.00	0.00	0.00	473.44
KSK Mahanadi	2.30	98.27	95.35	19.67	132.87	90.33	131.04	126.84	111.37	112.30	112.30	112.30	112.30	1254.92
Damodaram Sanjeevaiah Thermal Power Plant - I	2.35	430.85	445.21	430.85	445.21	445.21	430.85	445.21	430.85	445.21	445.21	402.12	445.21	5241.98
Damodaram Sanjeevaiah Thermal Power Plant - II	2.35	430.85	445.21	430.85	445.21	445.21	430.85	445.21	430.85	445.21	445.21	402.12	445.21	5241.98
RTS-B	2.37	16.05	16.58	16.05	16.58	16.58	16.05	16.58	8.02	16.58	16.58	15.51	16.58	187.78
NTPC (SR) Stage I & II	2.51	208.68	173.25	170.16	176.56	193.86	150.48	170.06	204.06	211.56	202.59	190.09	190.09	2241.43
Dr.NTTPS Stage-IV	2.56	138.19	142.46	138.19	142.80	142.88	138.19	142.88	138.19	73.70	142.88	128.98	142.88	1612.24

Generating Station	Variable Rate (Rs/KWh)	Energy Despatch (MU)												
		Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Total
NTPC (SR) Stage III	2.58	53.47	53.57	52.35	39.24	19.90	48.02	54.16	52.17	52.68	50.68	52.14	52.14	580.51
Tuticorin plant	2.59	31.79	63.58	63.58	63.58	63.58	63.58	63.58	63.58	63.58	63.58	63.58	63.58	731.19
NTPC Simhadri Stage II	2.59	143.77	142.32	131.38	128.99	84.24	65.51	78.07	128.79	131.51	133.71	134.35	134.35	1436.98
NTPC Simhadri Stage I	2.60	317.75	317.03	307.68	313.72	249.84	308.55	204.40	182.18	241.25	297.53	294.17	294.17	3328.27
GVK	2.62	34.17	34.04	40.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.65
KTPS-VI	2.69	138.19	142.80	138.19	73.70	142.80	138.19	142.80	138.19	142.80	142.80	133.59	142.80	1616.84
Spectrum	2.76	38.58	34.30	37.71	35.53	33.85	30.73	34.09	44.69	59.23	49.31	45.46	43.62	487.10
APGPCL I	2.78	1.96	2.03	1.96	2.03	2.03	1.96	2.03	1.96	2.03	2.03	1.76	2.03	23.79
Dr. NTPS Stage-I,II&III	2.79	343.54	354.95	343.84	320.06	295.81	208.39	268.43	288.17	324.43	354.95	320.61	354.95	3778.12
APGPCL II	2.79	6.62	6.84	6.62	0.00	6.84	0.00	0.00	6.62	6.84	6.84	5.95	6.84	59.98
Srivathsa	2.93	3.69	3.69	3.69	0.00	3.69	0.00	0.00	3.69	3.69	3.69	3.69	3.69	33.17
Reliance	2.93	17.98	17.98	17.98	0.00	17.98	0.00	0.00	17.98	17.98	17.98	17.98	17.98	161.85
RTPP Stage-I	3.33	114.20	117.99	114.20	0.00	70.06	0.00	0.00	114.20	117.99	117.99	106.58	117.99	991.20
RTPP Stage-II	3.33	114.20	104.21	62.56	0.00	0.00	0.00	0.00	87.55	117.99	117.99	106.58	117.99	829.08
RTPP Stage-III	3.33	57.10	0.00	0.00	0.00	0.00	0.00	0.00	57.10	54.71	59.00	53.29	59.00	340.19
Short term Sources	5.70	78.08	0.00	0.00	0.00	0.00	0.00	0.00	13.42	0.00	106.11	266.13	292.85	756.60
Total (From All Sources)		4346.10	4405.44	4327.78	4482.12	4747.68	4589.25	4266.43	4265.54	4433.12	4747.89	4661.23	4952.13	54224.70

ANNEXURE - 08

Station-wise Power Purchase Cost for SPDCL for FY2015-16

Generating Station	Energy (MU)	Fixed cost (₹ Crs)	Variable cost (₹ Crs)	Incentive (₹ Crs)	IT (₹ Crs)	Total cost (₹ Crs)	Per unit cost (₹/kWh)
NCE-Wind	1979.54	0.00	855.16	0.00	0.00	855.16	4.32
NCE-Mini Hydel	70.06	0.00	15.55	0.00	0.00	15.55	2.22
NCE-Biomass	166.75	0.00	97.55	0.00	0.00	97.55	5.85
NCE-Bagasse	66.01	0.00	27.13	0.00	0.00	27.13	4.11
NCE-Municipal waste to energy	0.83	0.00	0.41	0.00	0.00	0.41	4.94
NCE-Industrial waste to energy	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NCE-NCL Energy	4.32	0.00	0.96	0.00	0.00	0.96	2.22
NCE-Solar bundled	265.97	0.00	124.74	0.00	0.00	124.74	4.69
NPC-MAPS	64.55	0.00	12.97	0.00	0.00	12.97	2.01
NPC-Kaiga unit I &II	239.58	0.00	72.59	0.00	0.00	72.59	3.03
NPC-Kaiga unit III&IV	253.64	0.00	76.85	0.00	0.00	76.85	3.03
NPC-Kudamkulam	166.11	0.00	58.14	0.00	0.00	58.14	3.50
Machkund HES AP Share	101.67	7.75	0.00	0.00	0.00	7.75	0.54
Tungabadra HES AP Share	42.86						
USL HES	290.54	79.38	0.00	0.00	0.00	79.38	0.74
LSR HES	718.83						
Donkarayi Canal PH	63.45						
SRBHES	802.94	95.64	0.00	0.00	0.00	95.64	1.19
NSRCPH	97.62	8.85	0.00	0.00	0.00	8.85	0.91
Small hydel	3.60	5.23	0.00	0.00	0.00	5.23	14.54
Mini Hydel	1.72	0.33	0.00	0.00	0.00	0.33	1.91
N'sagar Tail Pond Dam PH	113.88	32.21	0.00	0.00	0.00	32.21	2.83
Dr.NTTPS-I,II &III	2483.36	138.53	635.74	0.87	0.00	775.14	3.12
Dr. NTTPS-IV	1059.72	148.37	295.66	1.87	0.00	445.90	4.21
RTPP Stage-I	651.52	68.01	216.96	0.00	0.00	284.96	4.37
RTPP Stage-II	544.95	125.52	181.47	0.00	0.00	306.99	5.63
RTPP Stage-III	223.60	84.93	74.46	0.00	0.00	159.39	7.13
KTPS ABC	1380.82	100.23	280.31	1.20	0.00	381.74	2.76
KTPS D	999.35	62.65	157.90	0.76	0.00	221.30	2.21
KTPS Stage VI	1062.75	178.63	285.88	1.94	0.00	466.45	4.39
RTS B	123.43	12.01	29.25	0.17	0.00	41.43	3.36
Kakatiya Thermal Power Plant Stage I	1062.75	179.28	226.37	1.94	0.00	407.59	3.84
Damodaram Sanjeevaiah Thermal Power Plant - I	3445.56	676.57	809.71	0.00	0.00	1486.28	4.31

Generating Station	Energy (MU)	Fixed cost (₹ Crs)	Variable cost (₹ Crs)	Incentive (₹ Crs)	IT (₹ Crs)	Total cost (₹ Crs)	Per unit cost (₹/kWh)
Damodaram Sanjeevaiah Thermal Power Plant - II	3445.56	676.57	809.71	0.00	0.00	1486.28	4.31
NTPC (SR) Stage I & II	1473.29	84.17	369.80	0.00	0.00	453.97	3.08
NTPC (SR) Stage III	381.57	33.57	98.45	0.00	0.00	132.02	3.46
NTPC Talcher Stage 2	916.81	67.00	137.52	0.00	0.00	204.53	2.23
NLC Stage-I	200.66	12.83	28.09	0.00	0.00	40.92	2.04
NLC Stage-II	364.37	23.20	53.56	0.00	0.00	76.76	2.11
NTPC Simhadri Stage I	2187.67	215.91	568.79	0.00	0.00	784.70	3.59
NTPC Simhadri Stage II	944.53	159.95	244.63	0.00	0.00	404.59	4.28
Vallur Thermal Power Plant	351.25	80.58	71.30	0.00	0.00	151.88	4.32
Tuticorin Thermal Power Plant	480.61	92.84	124.48	0.00	0.00	217.32	4.52
APGPCL I	15.64	1.14	4.35	0.00	0.00	5.49	3.51
APGPCL II	39.43	2.43	11.00	0.00	0.00	13.44	3.41
GVK	71.42	8.08	18.71	0.00	0.00	26.80	3.75
Spectrum	320.17	34.67	88.37	0.00	0.00	123.03	3.84
Lanco Kondapalli	311.19	28.03	70.95	0.00	12.12	111.11	3.57
BSES	106.38	9.91	31.20	0.00	3.86	44.97	4.23
Srivathsa	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KSK Mahanadi	824.86	98.16	189.72	0.00	0.00	287.88	3.49
Hinduja Thermal Power Plant	3865.63	675.61	719.01	0.00	0.00	1394.62	3.61
Thermal powertech plant	979.36	178.54	172.37	0.00	0.00	350.91	3.58
Other Short Term Sources	497.31	0.00	283.47	0.00	0.00	283.47	5.70
D to D Purchases	266.63	0.00	151.98	0.00	0.00	151.98	5.70
D to D Sales	-1093.56	0.00	-623.33	0.00	0.00	-623.33	5.70
Total	35503.06	4487.33	8159.89	8.75	15.98	12671.94	3.57

ANNEXURE - 09

Station-wise Power Purchase Cost for EPDCL for FY2015-16

Generating Station	Energy (MU)	Fixed cost (₹ Crs)	Variable cost (₹ Crs)	Incentive (₹ Crs)	IT (₹ Crs)	Total cost (₹ Crs)	Per unit cost (₹/kWh)
NCE-Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NCE-Mini Hydel	15.94	0.00	3.54	0.00	0.00	3.54	2.22
NCE-Biomass	33.34	0.00	19.50	0.00	0.00	19.50	5.85
NCE-Bagasse	39.01	0.00	16.03	0.00	0.00	16.03	4.11
NCE-Municipal waste to energy	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NCE-Industrial waste to energy	21.26	0.00	9.65	0.00	0.00	9.65	4.54
NCE-NCL Energy	3.12	0.00	0.69	0.00	0.00	0.69	2.22
NCE-Solar bundled	138.64	0.00	65.02	0.00	0.00	65.02	4.69
NPC-MAPS	33.65	0.00	6.76	0.00	0.00	6.76	2.01
NPC-Kaiga unit I &II	124.91	0.00	37.85	0.00	0.00	37.85	3.03
NPC-Kaiga unit III&IV	132.24	0.00	40.07	0.00	0.00	40.07	3.03
NPC-Kudamkulam	86.61	0.00	30.31	0.00	0.00	30.31	3.50
Machkund HES AP Share	53.01	4.04	0.00	0.00	0.00	4.04	0.54
Tungabhadra HES AP Share	22.35						
USL HES	151.48	41.39	0.00	0.00	0.00	41.39	0.74
LSR HES	374.78						
Donkarayi Canal PH	33.08						
SRBHES	418.63	49.87	0.00	0.00	0.00	49.87	1.19
NSRCPH	50.90	4.62	0.00	0.00	0.00	4.62	0.91
Small hydel	1.88	2.73	0.00	0.00	0.00	2.73	14.54
Mini Hydel	0.90	0.17	0.00	0.00	0.00	0.17	1.91
N'sagar Tail Pond Dam PH	59.37	16.79	0.00	0.00	0.00	16.79	2.83
Dr.NTTPS-I,II &III	1294.76	72.23	331.46	0.45	0.00	404.14	3.12
Dr. NTTPS-IV	552.51	77.36	154.15	0.97	0.00	232.48	4.21
RTPP Stage-I	339.69	35.46	113.12	0.00	0.00	148.57	4.37
RTPP Stage-II	284.12	65.45	94.61	0.00	0.00	160.06	5.63
RTPP Stage-III	116.58	44.28	38.82	0.00	0.00	83.10	7.13
KTPS ABC	719.92	52.26	146.14	0.63	0.00	199.03	2.76
KTPS D	521.04	32.66	82.32	0.39	0.00	115.38	2.21
KTPS Stage VI	554.09	93.13	149.05	1.01	0.00	243.20	4.39
RTS B	64.35	6.26	15.25	0.09	0.00	21.60	3.36
Kakatiya Thermal Power Plant Stage I	554.09	93.47	118.02	1.01	0.00	212.51	3.84

Generating Station	Energy (MU)	Fixed cost (₹ Crs)	Variable cost (₹ Crs)	Incentive (₹ Crs)	IT (₹ Crs)	Total cost (₹ Crs)	Per unit cost (₹/ kWh)
Damodaram Sanjeevaiah Thermal Power Plant - I	1796.43	352.75	422.16	0.00	0.00	774.91	4.31
Damodaram Sanjeevaiah Thermal Power Plant - II	1796.43	352.75	422.16	0.00	0.00	774.91	4.31
NTPC (SR) Stage I & II	768.14	43.88	192.80	0.00	0.00	236.69	3.08
NTPC (SR) Stage III	198.94	17.50	51.33	0.00	0.00	68.83	3.46
NTPC Talcher Stage 2	478.00	34.93	71.70	0.00	0.00	106.63	2.23
NLC Stage-I	104.62	6.69	14.65	0.00	0.00	21.34	2.04
NLC Stage-II	189.97	12.10	27.93	0.00	0.00	40.02	2.11
NTPC Simhadri Stage I	1140.60	112.57	296.56	0.00	0.00	409.12	3.59
NTPC Simhadri Stage II	492.45	83.40	127.55	0.00	0.00	210.94	4.28
Vallur Thermal Power Plant	183.14	42.01	37.18	0.00	0.00	79.19	4.32
Tuticorin Thermal Power Plant	250.58	48.41	64.90	0.00	0.00	113.31	4.52
APGPCL I	8.15	0.59	2.27	0.00	0.00	2.86	3.51
APGPCL II	20.56	1.27	5.74	0.00	0.00	7.01	3.41
GVK	37.24	4.22	9.76	0.00	0.00	13.97	3.75
Spectrum	166.93	18.07	46.07	0.00	0.00	64.15	3.84
Lanco Kondapalli	162.25	14.62	36.99	0.00	6.32	57.93	3.57
BSES	55.46	5.17	16.27	0.00	2.01	23.45	4.23
Srivathsa	33.17	2.24	9.73	0.00	0.59	12.56	3.79
KSK Mahanadi	430.06	51.18	98.91	0.00	0.00	150.09	3.49
Hinduja Thermal Power Plant	2015.44	352.25	374.87	0.00	0.00	727.12	3.61
Thermal powertech plant	510.62	93.09	89.87	0.00	0.00	182.95	3.58
Other Short Term Sources	259.29	0.00	147.79	0.00	0.00	147.79	5.70
D to D purchases	1093.56	0.00	623.33	0.00	0.00	623.33	5.70
D to D sales	-266.63	0.00	-151.98	0.00	0.00	-151.98	5.70
Total	18721.65	2341.82	4510.91	4.56	8.92	6866.22	3.67

ANNEXURE - 10

Station-wise Power Purchase Cost for Licensees for FY2015-16

Generating Station	Energy (MU)	Fixed cost (₹ Crs)	Variable cost (₹ Crs)	Incentive (₹ Crs)	IT (₹ Crs)	Total cost (₹ Crs)	Per unit cost (₹/kWh)
NCE-Wind	1979.54	0.00	855.16	0.00	0.00	855.16	4.32
NCE-Mini Hydel	86.00	0.00	19.09	0.00	0.00	19.09	2.22
NCE-Biomass	200.09	0.00	117.05	0.00	0.00	117.05	5.85
NCE-Bagasse	105.02	0.00	43.16	0.00	0.00	43.16	4.11
NCE-Municipal waste to energy	0.83	0.00	0.41	0.00	0.00	0.41	4.94
NCE-Industrial waste to energy	21.26	0.00	9.65	0.00	0.00	9.65	4.54
NCE-NCL Energy	7.44	0.00	1.65	0.00	0.00	1.65	2.22
NCE-Solar bundled	404.61	0.00	189.76	0.00	0.00	189.76	4.69
NPC-MAPS	98.20	0.00	19.74	0.00	0.00	19.74	2.01
NPC-Kaiga unit I &II	364.49	0.00	110.44	0.00	0.00	110.44	3.03
NPC-Kaiga unit III&IV	385.88	0.00	116.92	0.00	0.00	116.92	3.03
NPC-Kudamkulam	252.72	0.00	88.45	0.00	0.00	88.45	3.50
Machkund HES AP Share	154.68	11.79	0.00	0.00	0.00	11.79	0.54
Tungabhadra HES AP Share	65.20						
USL HES	442.03	120.77	0.00	0.00	0.00	120.77	0.74
LSR HES	1093.60						
Donkarayi Canal PH	96.53						
SRBHES	1221.57	145.51	0.00	0.00	0.00	145.51	1.19
NSRCPH	148.52	13.47	0.00	0.00	0.00	13.47	0.91
Small hydel	5.47	7.96	0.00	0.00	0.00	7.96	14.54
Mini Hydel	2.62	0.50	0.00	0.00	0.00	0.50	1.91
N'sagar Tail Pond Dam PH	173.25	49.00	0.00	0.00	0.00	49.00	2.83
Dr.NTTPS-I,II &III	3778.12	210.76	967.20	1.32	0.00	1179.27	3.12
Dr. NTTPS-IV	1612.24	225.73	449.81	2.84	0.00	678.38	4.21
RTPP Stage-I	991.20	103.47	330.07	0.00	0.00	433.54	4.37
RTPP Stage-II	829.08	190.97	276.08	0.00	0.00	467.05	5.63
RTPP Stage-III	340.19	129.20	113.28	0.00	0.00	242.49	7.13
KTPS ABC	2100.74	152.49	426.45	1.83	0.00	580.76	2.76
KTPS D	1520.38	95.31	240.22	1.15	0.00	336.69	2.21
KTPS Stage VI	1616.84	271.76	434.93	2.96	0.00	709.65	4.39
RTS B	187.78	18.27	44.50	0.26	0.00	63.04	3.36
Kakatiya Thermal Power Plant Stage I	1616.84	272.75	344.39	2.96	0.00	620.09	3.84

Generating Station	Energy (MU)	Fixed cost (₹ Crs)	Variable cost (₹ Crs)	Incentive (₹ Crs)	IT (₹ Crs)	Total cost (₹ Crs)	Per unit cost (₹/kWh)
Damodaram Sanjeevaiah Thermal Power Plant - I	5241.98	1029.32	1231.87	0.00	0.00	2261.19	4.31
Damodaram Sanjeevaiah Thermal Power Plant - II	5241.98	1029.32	1231.87	0.00	0.00	2261.19	4.31
NTPC (SR) Stage I & II	2241.43	128.05	562.60	0.00	0.00	690.65	3.08
NTPC (SR) Stage III	580.51	51.07	149.77	0.00	0.00	200.84	3.46
NTPC Talcher Stage 2	1394.81	101.94	209.22	0.00	0.00	311.16	2.23
NLC Stage-I	305.28	19.52	42.74	0.00	0.00	62.26	2.04
NLC Stage-II	554.34	35.30	81.49	0.00	0.00	116.78	2.11
NTPC Simhadri Stage I	3328.27	328.47	865.35	0.00	0.00	1193.82	3.59
NTPC Simhadri Stage II	1436.98	243.35	372.18	0.00	0.00	615.53	4.28
Vallur Thermal Power Plant	534.39	122.59	108.48	0.00	0.00	231.07	4.32
Tuticorin Thermal Power Plant	731.19	141.25	189.38	0.00	0.00	330.63	4.52
APGPCL I	23.79	1.73	6.62	0.00	0.00	8.35	3.51
APGPCL II	59.98	3.70	16.74	0.00	0.00	20.44	3.41
GVK	108.65	12.30	28.47	0.00	0.00	40.77	3.75
Spectrum	487.10	52.74	134.44	0.00	0.00	187.18	3.84
Lanco Kondapalli	473.44	42.65	107.95	0.00	18.44	169.04	3.57
BSES	161.85	15.08	47.47	0.00	5.87	68.42	4.23
Srivathsa	33.17	2.24	9.73	0.00	0.59	12.56	3.79
KSK Mahanadi	1254.92	149.34	288.63	0.00	0.00	437.97	3.49
Hinduja Thermal Power Plant	5881.08	1027.86	1093.88	0.00	0.00	2121.74	3.61
Thermal powertech plant	1489.98	271.62	262.24	0.00	0.00	533.86	3.58
Other Short Term Sources	756.60	0.00	431.26	0.00	0.00	431.26	5.70
D to D purchases	1360.19	0.00	775.31	0.00	0.00	775.31	5.70
D to D sales	-1360.19	0.00	-775.31	0.00	0.00	-775.31	5.70
Total	54224.70	6829.15	12670.80	13.31	24.90	19538.16	3.60

ANNEXURE - 11
Station-wise Genco Fixed Costs for FY2015-16 (₹ Cr.)

Station Name	Fixed Charges
Sileru complex	120.77
NSRCPH	13.47
SRBHES	145.51
Small Hydel	7.96
Mini Hydel	0.50
KTPS-ABC	152.49
KTPS-V	95.31
RTS-B	18.27
Dr.NTTPS-I, II &III	210.76
RTPP-I	103.47
RTPP-II	190.97
Dr.NTTPS-IV	225.73
KTPP-I	272.75
RTPP-III	129.20
KTPS-VI	271.76
DSTPP-I *	1029.32
DSTPP-II*	1029.32
N'Sagar Tail pond*	49.00
Interstate Power	11.79
Total	4078.35

*Availability considered for full FY2015-16. If the plants are available for part of the year, the fixed charges shall be paid proportionately.

ACRONYMS

Agl	Agriculture/Agricultural AP Andhra Pradesh
APEPDCL/EPDCL	Eastern Power Distribution Company of Andhra Pradesh Limited
APERC	Andhra Pradesh Electricity Regulatory Commission APGENCO Andhra Pradesh Power Generation Corporation Limited
APGPCL	Andhra Pradesh Gas Power Corporation Limited
APPCC	Andhra Pradesh Power Coordination Committee
APSPDCL/SPDCL	Southern Power Distribution Company of Andhra Pradesh Limited
APTRANSCO/TRANSCO	Transmission Corporation of Andhra Pradesh Limited
ARR	Aggregate Revenue Requirement
ATE/APTEL	Appellate Tribunal for Electricity
BPL	Below the Poverty Line
BST	Bulk Supply Tariff
CAG	Comptroller and Auditor General of India
CC	Current Consumption
CCITI	Consultative Committee on Information Technology Industry
CERC	Central Electricity Regulatory Commission
CGRF	Consumer Grievance Redressal Forum
CGS	Central Generating Station
CL	Connected Load/Contracted Load
CMD	Contracted Maximum Load/Chairman & Managing Director
CoD	Commercial Operation Date
CoS	Cost of Service /Cost of Supply
CPWS	Composite Protected Water Supply
Cr	Crore
CSC	Customer Service Centre
CWSS	Composite Water Supply Schemes
D-D	Discom to Discom
DISCOMs	Distribution Companies, Distribution Licensees, Licensees
DPS	Delayed Payment Surcharge
DSM	Demand Side Management
DSTPP	Damodar Sanjeevaiah Thermal Power Project
DTR	Distribution Transformer
EHT	Extra High Tension
ERC	Expected Revenue from Charges
FAPCCI	The Federation of Telangana & Andhra Pradesh Chamber of Commerce and Industry (Formerly the Federation of Andhra Pradesh Chamber of Commerce and Industry)

FCRTS	Full Cost Recovery Tariff Schedule
FPT	Filing for Proposed Tariff
FRP	Financial Restructuring Plan
FSA	Fuel Surcharge Adjustment
FY	Financial Year
GCV	Gross Calorific Value
GoAP	Government of Andhra Pradesh
GOI	Government of India
GTCS	General Terms & Conditions of Supply
HDPE	High-Density Polyethylene
HG	Horn Gap
HNPCL	Hinduja National Power Corporation Limited
HP	Horse Power
HT/HV	High Tension/High Voltage
HVDS	High Voltage Distribution System
IPPs	Independent Power Producers
ISI	Indian Standards Institute / Indian Statistical Institute
IT	Information Technology
KG	Krishna Godavari
Kg	Kilogram
kV	Kilo Volt
kVAh	Kilo-Volt-Ampere-hour
kWh	Kilo Watt hour
LED	Light-Emitting Diode
LI	Lift Irrigation
LT/LV	Low Tension/Low Voltage
LR	Load Relief
MMBTU	Million Metric British Thermal Unit
MoP	Ministry of Power
MOU	Memorandum of Understanding
MU	Million Units
MW	Mega Watt
MYT	Multi Year Tariff
NCE	Non Conventional Energy
NEW	North-East-West
NGOs	Non-Government Organisations
NTP	National Tariff Policy
NTPC	National Thermal Power Corporation Limited
PGCIL	Power Grid Corporation of India Limited
PLF	Plant Load Factor
PPA	Power Purchase Agreement

PSC	Production Sharing Contract
PWS	Protected Water Supply
R&C	Restriction and Control
REC	Renewable Energy Certificate/Rural Electrification Corporation Limited
RESCOs	Rural Electricity Cooperative Societies
RIL	Reliance Industries Limited
RMD	Recorded Maximum Demand
RTC	Round the Clock
RTPP	Rayalaseema Thermal Power Project
SAC	State Advisory Committee
SAO	Senior Accounts Officer
SLDC	State Load Despatch Centre
SOP	Standards of Performance
T&D	Transmission and Distribution
ToD	Time of the Day
ULDC	Unified Load Despatch Centre
UMPP	Ultra Mega Power Project
VTPS	Vijayawada Thermal Power Station

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