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**SOUTHERN POWER DISTRIBUTION COMPANY OF  
TELANGANA LIMITED**

(Distribution and Retail Supply of Electricity Licensee)



**Summary of Filing of ARR & Proposed Tariffs  
for  
Retail Supply Business including Cross Subsidy  
Surcharge & Additional Surcharge for Open Access  
Consumers FY 2016-17**



**8<sup>th</sup> March, 2016**

## SUMMARY OF ARR & FPT FOR RETAIL SUPPLY BUSINESS FOR FY 2016-17

This filing is made by the Southern Power Distribution Company Of Telangana Limited (TSSPDCL) under Section 64 of the Electricity Act 2003 for determination of the ARR and Tariff for the Retail Supply Business for the year 2016-17.

### Key Projections for Ensuing Year 2016-17

i) **Sales Forecast:** The Licensee submits the following forecast of energy sales (in million units) as part of the current application to the Hon'ble Commission:

<b>Sales / Forecast Sales (MU)</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>
<b>LT Category</b>	<b>16495.19</b>	<b>17574.97</b>	<b>18966.06</b>
LT-I(A&B): Domestic	6159.07	6950.91	7676.08
LT-II(A,B&C): Non-Domestic/ Commercial	1893.01	2087.35	2315.06
LT-III- Industry	757.33	802.84	858.55
LT-IV(A&B): Cottage Industries	8.92	9.33	9.66
LT-V(A,B&C): Agricultural	6932.86	6931.23	7185.25
LT-VI(A&B): Street Lighting & PWS Schemes	688.48	732.40	855.23
LT-VII(A&B): General Purpose	54.70	60.33	65.63
LT-VIII: Temporary Supply	0.82	0.58	0.58
<b>HT Category</b>	<b>11583.36</b>	<b>12860.25</b>	<b>14699.14</b>
<b>HT Category at 11 KV</b>	<b>4065.83</b>	<b>4623.50</b>	<b>5181.42</b>
HT-I(A): Industry (General)	2662.92	3057.73	3449.17
HT-I(B): Ferro Alloy Units	0.00	0.00	0.00
HT-II: Others	1199.89	1353.00	1500.60
HT-III: Airports, Bus Stations and Railway Stations	5.31	6.03	6.64
HT-IV(A): Lift Irrigation & Agriculture	39.08	34.01	34.01
HT-IV(B): CPWS	43.98	49.76	58.33
HT-VI: Townships & Residential Colonies	76.00	84.66	93.60
HT Temporary Supply	38.66	38.32	39.08
<b>HT Category at 33 KV</b>	<b>4634.04</b>	<b>5086.49</b>	<b>5586.45</b>
HT-I(A): Industry (General)	3978.24	4397.79	4847.10
HT-I(B): Ferro Alloy Units	71.53	57.35	58.48
HT-II: Others	517.72	554.36	596.87
HT-III Airports, Bus Stations and Railway Stations	0.00	0.00	0.00
HT-IV(A): Lift Irrigation & Agriculture	19.10	22.69	24.89
HT-IV(B): CPWS	3.86	3.31	3.64
HT-VI: Townships & Residential Colonies	35.72	39.78	44.03
HT Temporary Supply	7.88	11.22	11.44
<b>HT Category at 132 KV</b>	<b>2883.48</b>	<b>3150.25</b>	<b>3931.27</b>
HT-I(A): Industry (General)	2069.01	2322.47	2470.56
HT-I(B): Ferro Alloy Units	135.38	158.55	179.78
HT-II: Others	47.37	56.67	61.16
HT-III Airports, Bus Stations and Railway Stations	57.98	59.83	77.53
HT-IV(A): Lift Irrigation & Agriculture	406.82	391.72	792.07
HT-IV(B): CPWS	0.00	0.00	103.68
HT-V: Railway Traction	166.92	161.02	246.49
HT-VI: Townships & Residential Colonies	0.00	0.00	0.00
HT Temporary Supply	0.00	0.00	0.00
<b>Total</b>	<b>28078.54</b>	<b>30435.22</b>	<b>33665.20</b>

ii) **Losses**

a) **Discom's Losses**

The table below provides the Discom's distribution losses including and excluding EHT sales for years 2014-15, 2015-16 and 2016-17.

Particulars	2014-15	2015-16	2016-17
	Actual	Proj.	Proj.
Discom Losses (incl EHT) (%)	12.92	10.81	9.72
Discom Losses (Excl EHT) (%)	14.19	11.91	10.87

For the FY 2015-16 & 2016-17 the licensee has arrived the Distribution losses by assuming the voltage wise loss levels, at the same level as approved by the Honble TSERC in its Distribution tariff Order dated 27<sup>th</sup> March, 2015.

b) **Transco & PGCIL Losses**

The licensee has considered the approved loss figures for the years 2015-16 and 2016-17 as per the Transmission Tariff Order dated 09<sup>th</sup> May 2014 approved by the then APERC which are 4.02% and 4.01% respectively. The external losses (PGCIL) are estimated to be 3.44%.

ii) **Power Purchase requirement and Expenditure Projections**

a) **Power Purchase requirement and Cost:**

As per the sales forecast and projected losses, TSSPDCL would require to purchase a quantum of energy of 36009 MU for 2015-16 and 39292 MU for 2016-17 for sale of power to various categories aggregated by energy losses and the cost of this energy would be Rs.16427.32 Cr. and Rs. 16906.14 Cr. respectively after considering net of Pool transactions.

Details	2015-16	2016-17
Power Purchase (MU)	36009.11	39292.03
Power Purchase / Procurement Cost (Rs. Cr.)	16427.32	16906.14

b) **TS Transco Charges**

The licensee has considered the approved transmission costs for 2015-16 and 2016-17 as approved in the Transmission Tariff Order dated 9<sup>th</sup> May 2014 by the APERC after excluding the expenses pertaining to Ananthapur and Kurnool circles to arrive at transmission cost pertaining to TSSPDCL. Accordingly, the Transmission charges expected for 2015-16 and 2016-17 are Rs. 820.55 Cr. and Rs.1037.09 Cr. respectively.

Year	Transmission contracted Capacity (MW)		Approved Transmission rate (Rs. KW/month)	Transmission Charges (Rs. Crores)
	Transmission Tariff Order (2014-15 to 2018-19)	Revised		
2015-16	10806	8919	76.66	820.55
2016-17	11460	9459	91.36	1037.09

c) **Power Grid & ULDC Charges**

Presently, the projection of PGCIL, POSOCO & ULDC were made for FYH2 15 and FY16 based on the Sep'15 monthly bill as shown below:

Details	FY2015-16	FY2016-17
PGCIL POC Charges to be paid for CGS plants	405	433
PGCIL POC and STOA & MTOA charges to be paid for other plants connected to CTU	248	454
<b>Total</b>	<b>653</b>	<b>887</b>

d) **SLDC Charges**

The SLDC charges for FY 2015-16 and FY 2016-17 are arrived based on the approved values in the SLDC MYT Order for FY 2014-15 to FY 2018-19 by APERC after excluding the expenses pertaining to Ananthapur and Kurnool circles. The contracted capacities considered for Transmission cost has been considered for the SLDC charges calculations too. The charges are expected to be Rs. 26.41 Cr. for 2015-16 and Rs. 28.86 Cr for 2016-17.

Year	contracted Capacity (MW)		Approved Annual SLDC fees (Rs. MW/Year)	Annual SLDC Fees (Rs. Crs) (a)	Approved Operating charges (Rs. MW/Month)	Operating charges (Rs. Crs) (b)	Total SLDC charges (Rs. Crs) (a)+(b)
	SLDC Tariff Order (2014-15 to 2018-19)	Revised					
2015-16	10806	8919	3092.78	2.76	2209.34	23.65	26.41
2016-17	11460	9459	3533.18	3.34	2247.62	25.51	28.86

**e) Distribution Cost**

The Licensee has considered the Distribution costs for 2015-16 and 2016-17 as approved in the Distribution business Tariff order for 3rd MYT control period 2014-15 to 2018-19 by TSERC. The distribution costs for 2015-16 and 2016-17 are Rs. 1830.65 Cr and Rs 2267.98 Cr respectively.

<b>Distribution Cost Breakup Particulars</b>	<b>2015-16</b>	<b>2016-17</b>
Operation & Maintenance Charges	1270.43	1505.78
Return on capital employed	376.00	490.17
Depreciation	561.63	634.64
Taxes on income & Special Appropriations & Other Expenditure	54.98	65.92
Less: IDC/Expenses capitalized	106.23	107.98
<b>Distribution Cost</b>	<b>2156.81</b>	<b>2588.53</b>
Less: Wheeling Revenue	0.00	0.00
Less: NTI	326.16	320.55
<b>Net Distribution Cost</b>	<b>1830.65</b>	<b>2267.98</b>

**f) Interest on Consumer Security Deposits**

The licensee has adopted 7.75% p.a. as interest rate which is prevailing bank rate of RBI on security deposit for FY 2015-16 and FY 2016-17 in these filings. The interest on consumer security deposit for 2015-16 is estimated at Rs.187.80 Cr. and Rs. 224.40 Cr. for 2016-17.

	<b>Particulars</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>
(a)	Opening Balance	2058.94	2256.11	2590.22
(b)	Additions during the Year	197.17	334.11	610.49
(c)	Deductions during the Year			
(d)	Closing Balance	2256.11	2590.22	3200.72
(e)	Average Balance ((Opening + Closing)/2)	2157.52	2423.17	2895.47
(f)	Interest @ % p.a.	7.60	7.75	7.75
(g)	Interest Cost (e * f)	<b>163.97</b>	<b>187.80</b>	<b>224.40</b>

**g) Supply Margin**

The Supply Margin is arrived based on the approved RRB by TSERC in the Distribution Tariff order dated 27<sup>th</sup> March, 2015.

<b>(*In Rs. Crs)</b>	<b>2015-16</b>	<b>2016-17</b>
Supply Margin Amount	8.61	19.61

**h) Other Costs**

The Licensee has not considered any other cost ( i.e Reactive charges) for FY 2015-16 and FY 2016-17.

iii) **Aggregate Revenue Requirement for Retail Supply Business**

The Aggregate Revenue Requirement for the Retail Supply Business is provided below for 2015-16 and 2016-17.

<b>Expenditure Item</b>	<b>2015-16</b>	<b>2016-17</b>
Power Purchase and procurement cost	16,427.32	16,906.14
Transmission Cost	820.55	1037.09
PGCIL & ULDC Cost	659.09	892.78
SLDC Charges	26.41	28.86
Distribution Cost	1830.64	2267.98
Interest on Consumer Security Deposits	187.80	224.40
Supply Margin	8.61	19.61
Other Costs	0.00	0.00
<b>Aggregate Revenue requirement</b>	<b>19,960.41</b>	<b>21,376.86</b>

iv) **Revenue Projections**

a) **Revenue from Sale of Power at Current Tariffs for FY 2016-17:**

Revenue from sale of power is arrived at Rs.17164.80 Cr. for 2016-17. The Category-wise revenue from sale of power for FY 2016-17 at current tariffs are provided in the table below.

<b>Revenue from Current Tariffs (Rs.Crs.)</b>	<b>2016-17</b>
<b>LT Category</b>	<b>6564.94</b>
LT-I: Domestic	3138.30
LT-II: Non-Domestic/Commercial	2215.20
LT-III: Industry	613.21
LT-IV: Cottage Industries	3.87
LT-V: Agricultural	42.3
LT-VI: Street Lightning & PWS Schemes	505.38
LT-VII: General Purpose	46.08
LT-VIII: Temporary Supply	0.60
<b>HT Category</b>	<b>10599.88</b>
HT-I(A): Industry (General)	7532.86
HT-I(B): Ferro-Alloy Units	117.30
HT-II: Others	1995.47
HT-III: Airports, Bus Stations and Railway Stations	63.59
HT-IV: Irrigation & CPWS	561.20
HT-V: Railway Traction	167.62
HT-VI: Townships & Residential Colonies	86.33
HT Temporary	75.51
<b>Total</b>	<b>17164.8</b>

b) **Revenue from Sale of Power at Proposed Tariffs for FY 2016-17:**

The revenue from sale of power for the FY 2016-17 is expected to be Rs.18,738.17 crores at proposed tariffs. The Category-wise revenue from sale of power for year 2016-17 are provided in the table below.

<b>Revenue from Proposed Tariffs (Rs.Crs.)</b>	<b>2016-17</b>
<b>LT Category</b>	<b>7287.77</b>
LT-I: Domestic	3572.31
LT-II: Non-Domestic/Commercial	2416.73
LT-III: Industry	646.69
LT-IV: Cottage Industries	3.87
LT-V: Agricultural	42.30
LT-VI: Street Lightning & PWS Schemes	554.74

<b>Revenue from Proposed Tariffs (Rs.Crs.)</b>	<b>2016-17</b>
LT-VII: General Purpose	50.47
LT-VIII: Temporary Supply	0.66
<b>HT Category</b>	<b>11450.40</b>
HT-I(A): Industry (General)	8080.64
HT-I(B): Ferro-Alloy Units	117.30
HT-II: Others	2191.81
HT-III: Airports, Bus Stations and Railway Stations	69.86
HT-IV: Irrigation & CPWS	632.19
HT-V: Railway Traction	183.71
HT-VI: Townships & Residential Colonies	95.00
HT Temporary	79.91
<b>Total</b>	<b>18738.17</b>

**c) Non-tariff Income at Current Charges**

The non-tariff income is estimated as Rs.41.67 Cr. in 2015-16 & Rs.43.34 Cr. in 2016-17.

<b>Particulars</b>	<b>2015-16</b>	<b>2016-17</b>
Interest Income from Bank Deposits / Investments etc.	1.29	1.32
Miscellaneous / Other Receipts	30.56	32.00
Others	9.82	10.02
<b>Total Non-Tariff Income</b>	<b>41.67</b>	<b>43.34</b>

**v) Revenue Gap at Current Tariff and Charges**

<b>Revenue Deficit / Surplus (Rs.Crs.)</b>	<b>2015-16</b>	<b>2016-17</b>
Aggregate Revenue Requirement	19960.41	21376.86
Revenue from Current Tariffs	15299.25	17164.83
Non - Tariff Income	41.67	43.34
<b>Revenue Deficit(-) / Surplus(+) at Current Tariffs</b>	<b>(4619.49)</b>	<b>(4168.69)</b>
Subsidy	723.79	
<b>Net gap- Deficit(-) / Surplus</b>	<b>(3895.70)</b>	<b>(4168.69)</b>

**vi) Tariff Proposals:** – The licensee proposes to introduce following changes in the tariff structure:

**a. Cost to Serve for FY 2016-17**

In the Tariff Order for FY 2015-16, the average Cost to Serve (CoS) as approved by the Hon'ble Commission for the Telangana was **Rs 5.64/Unit**. Since then, there has been a significant increase in the average CoS during the year and the licensee expects the trend to continue for the ensuing year. The Licensee estimates the state level CoS for the year FY 2016-17 to be at **Rs. 6.35/Unit**. This implies that an increase of Rs.0.71/ Unit (12.59 % increase)

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

**Increase in Network Cost:** The distribution cost approved for FY 16-17 is Rs.437 Crore higher compared to approved cost of FY 15-16 considering the Capital Investment and expenses of the licensee. In order to cater to current deficit scenario, new long term PPAs which are connecting to central transmission utility and short term purchases, results in considerable increase in PGCIL costs from Rs 653 Crores to Rs 887 Crores.

**Increase in Power purchase Cost:** The estimated Power Purchase cost in FY2016-17 is higher due to increase in energy requirement resulting from domestic growth and

addition of new loads such as water grid and HMR. New PPAs have been signed to meet projected deficit scenario, which have higher fixed costs. This, results in additional power purchase cost of Rs.3364 crore compared to approved cost of FY2015-16. Hence, the Distribution licensee feels that the increased CoS should reflect appropriately in the tariff structure. Hence, the licensee proposes the following tariff revision for various categories

**b. Cost to Serve Methodology**

For the year 2016-17, the licensee would like to propose tariff increase and humbly requests the Hon’ble Commission to adopt average CoS as per the principles specified in revised National Tariff Policy (NTP), dated 28<sup>th</sup> January, 2016 while fixation of tariffs for each category.

Sub-clause 2 of Clause 8.3 of National Tariff Policy states that “*For achieving the objective that the tariff progressively reflects the cost of supply of electricity, the Appropriate Commission would notify a roadmap such that tariffs are brought within ±20% of the average cost of supply. The road map would also have intermediate milestones, based on the approach of a gradual reduction in cross subsidy*”.

Licensee has put all efforts while proposing tariffs to be within ±20 % of the average cost of supply wherever it is possible.

In case, If the Hon’ble Commission determines the tariff based on Category wise CoS, then the licensee humbly requests the Hon’ble Commission not to determine the tariffs based on ‘CoS ±20% limit’ as NTP refers to average CoS and not category wise CoS.

**c. The following are the key points in the Tariff proposals of the Distribution Licensee**

**• LT-I: Domestic**

No change in Tariff for LT-1(A) Domestic consumers with monthly consumption upto 100 units. LT-I(B) Tariff increase in the range of Rs.0.65/kWh to Rs.0.72/kWh for consumers with consumption 101 units - 400 units and Rs.1.00/kWh for consumers above 400 units consumption.

<b>Proposed Slab structure (Unit)</b>	<b>Energy charge (Rs./kWh)</b>
<b>LT I: Domestic</b>	
LT I (A) (i): Upto 50 Units/Month	
0-50	1.45
LT I (A)(ii): Above 50 Units/Month and Upto 100 Units/Month	
0-50 units	1.45
51-100 units	2.60
LT I (B)(i): Above 100 Units/Month and Upto 200 Units/Month	
0-100 units	3.25
101-200 units	4.25
LT I (B)(ii): Above 200 Units/Month	
0-200	4.80
200- 400	8.15
Above 400 units	9.50

**• LT-II: Non Domestic/Commercial**

The Licensee proposes to introduce new sub-category LT-II(D) Haircutting Salons having monthly consumption upto 200 units. The category shall have three (3) slabs viz., 0-50 units, 51-100 units and 101-200 units. The tariff of the Haircutting Salons sub-category is by considering Rs 2/unit subsidy from the government.

The licensee proposes an increase in the energy charges by **10%** on existing tariff for all

sub categories in LT-II.

Sub Category/ Slab Structure (Units)	Fixed charge (Rs/kW/month)	Energy charge (Rs./kVAH or Rs./kWh)
<b>LT II: Non-Domestic</b>		
LT II (A): Upto 50 Units/Month	50	5.94
LT II (B): Above 50 Units/Month		
0-50	50	7.26
51-100	53	8.58
101-300	53	9.46
301-500	53	10.01
>500	53	10.67
LT II (C): Advertisement Hoardings	53	12.87
LT II (D): Haircutting salons consuming less than 200 units/month		
0-50	50	5.26
51-100	53	6.58
101-200	53	7.46

- **LT-III: Industry**

The licensee proposes an increase in Energy Charges by **6%** on existing tariff FY2015-16 for all the sub categories in LT-III. The licensee requests Honble Commission to include R.O processing plants in the LT-III Industries.

Sub Category	Fixed charge (RskW/month)	Energy charge (Rs./kVAh/ or Rs./kWh)
<b>LT-III: Industry</b>		
Industries	53.00	6.79
Seasonal Industries (off season)	53.00	7.53
Pisciculture/Prawn culture	21.00	5.20
Sugarcane crushing	21.00	5.20
Poultry farms	50.00	3.82
Mushroom and Rabbit farms	53.00	6.36
Floriculture in Green House	53.00	6.36

- **LT-IV:Cottage Industries**

The licensee proposes no change in tariff for all the sub categories in LT-IV

- **LT-V: Agriculture**

The licensee proposes no change in tariff for all the sub categories in LT-V

- **LT-VI: Street Lighting & PWS**

The licensee proposes an increase in energy charges by **10%** and **no increase in fixed charges** on existing tariff of FY2015-16 for all the sub categories in LT-VI

Sub Category	Proposed Fixed charges (Rs/kW/month or HP/month)	Proposed Energy charge (Rs./kVAH or Rs./kWh)
<b>LT-VI (A): Street Lighting</b>		
Panchayats	32	6.27
Municipalities	32	6.82
Municipal Corporations	32	7.37
<b>LT-VI (B): PWS Schemes</b>		
Panchayats	32	5.06



Sub Category	Proposed Fixed charges (Rs/kW/month or HP/month)	Proposed Energy charge (Rs./kVAH or Rs./kWh)
Municipalities	32	6.27
Municipal Corporations	32	6.82

- **LT-VII: General Purpose**

The licensee proposes an increase in Energy charges by **10%** and no increase in fixed charges on existing tariff of FY2015-16 for all the sub categories in LT-VII. The licensee proposes to include the following condition of LT- VII(A) General Category definition

“This tariff would be applicable for consumers who are having tax exemption from IT Department under 80 G”

Category	Fixed charges (Rs/kW/month)	Energy charge (Rs./kVAH) or (Rs./kWh)
LT-VII (A): General Purpose	21	7.59
LT-VII (B): Religious Places	21	5.50

- **LT-VIII: Temporary Supply**

The licensee proposes an increase in the Energy charges by **10%** and **no increase in the fixed charges** on existing tariff FY2015-16 for LT-VIII

Category	Fixed charges (Rs/kW/month)	Energy charge (Rs./kVAH) or (Rs./kWh)
LT-VIII: Temporary	21	11.00

The licensee requests Honble Commission to include the following conditions in the Temporary Supply:-

This tariff is applicable to temporary supply for all activities which are temporary in nature such as construction works, exhibitions, circus, functions, public gatherings etc undertaken by Government & Private Agencies.

For Construction Purpose: The initial/ in –principle approval for such construction or to conduct such temporary activity obtained by the applicant from the appropriate authority, wherever necessary, is adequate to effect the supply.

The conversion from temporary supply to permanent supply for residential and commercial buildings above 10 meters in height, shall be done in compliance of required approvals / Regulations/ Orders of Government i.e Production of Occupancy Certificate, CEIG Certificate etc

- **HT Category:**

- **Time of Day Tariffs**

It is proposed to introduce an additional Time of Day (ToD) from 6 am to 10 am and an incentive from 10 pm to 6 am as a measure to reduce the morning peak and make the load curve flat for categories HT-I (A) Industrial, HT-II Others and HT-III Airports, Bus Stations and Railway stations as given below:

Description	During the period	Proposed Tariff over the proposed Energy Charges for FY2016-17
Time of Day (ToD) Tariff	6 am to 10 am and 6 pm to 10 pm	Rs.1/unit
Incentive	10 pm to 6 am	Rs.0.55/unit

- **HT-I: Industry**

The licensee proposes an increase in demand charges by 7.5% and an increase in Energy charges by 7.5% in all the sub-categories of HT-I for all voltage levels (11 kV, 33 kV, 132 kV)

Voltage Level	Sub-Category	Demand charge (Rs/kVA/month)	Energy charge (Rs./kVAH)
HT-I(A)			
11 kV	General	398	6.45
	Lights and Fans	-	6.45
	Industrial Colonies	-	6.45
	Seasonal Industries	398	7.85
	Poultry Farms	398	4.30
33 kV	General	398	6.02
	Lights and Fans	-	6.02
	Industrial Colonies	-	6.45
	Seasonal Industries	398	7.10
	Poultry Farms	398	3.87
132 kV& above	General	398	5.49
	Lights and Fans	-	5.49
	Industrial Colonies	-	6.45
	Seasonal Industries	398	6.88

- **HT-I(B) Ferro Alloy Units**

The licensee proposes no change in tariff for all the sub categories in HT-I(B)

- **HT-II: Others**

The licensee proposes an increase in the Demand charges by **10%** and in Energy charges by **10%** on existing tariff FY2015-16 for HT-II at all voltage levels

Voltage Level	Demand charge (Rs/kVA/month)	Energy charge (Rs./ kVAH)
HT-II: Others		
11 kV	407	8.03
33 kV	407	7.26
132 kV& above	407	7.04

- **HT-III: Airports, Bus Stations and Railway Stations**

The licensee proposes an increase in the Demand charges by **10%** and in Energy charges by **10 %** on existing tariff FY2015-16 for HT-III at all voltage levels

Voltage Level	Demand charge (Rs/kVA/month)	Energy charge (Rs./kVAH)
HT-III: Airport, Rly Station, Bus station		
11 kV	407	7.70
33 kV	407	7.04
132 kV& above	407	6.60

- **HT-IV: Irrigation, Agriculture and CPWS**

The licensee proposes an increase in the Energy charges by **10 %** on existing tariff FY2015-16 for HT-IV(B) CPWS. The licensee proposes an energy charge of INR 6.44, the average Cost of Serve for the category HT-IV (A).

Category	Energy charge(Rs./kVAH)
HT-IV: Irrigation , Agriculture and CPWS	
HT-IV(A): Lift Irrigation & Agriculture	6.44

HT-IV(B): CPWS	5.06
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- **HT-V: Railway Traction**

The licensee proposes an increase in the Energy charges by 10% on existing tariff FY2015-16 for HT-V. The license proposes to introduce sub-category in HT (V)-HT V(B) HMR Traction.

Category	Energy charge(Rs./kVAH)
HT-V(A): Railway Traction	7.48
HT-V(B): HMR Traction	7.30

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

The licensee proposes an increase in the Demand charges by 10% and an increase in Energy charges by 10% on existing tariff FY2015-16 for category HT-VI for all the voltage levels (11 kV, 33 kV, 132 kV)

Category	Demand charge (Rs/kVA/month)	Energy charge (Rs./Unit)
HT-VI: Townships & Residential Colonies	59	6.60

- **HT-VII: Green Power**

The licensee would like to propose 10% tariff increase in Energy charges on existing tariff FY2015-16 for category HT-VII for all the voltage levels (11 kV, 33 kV, 132 kV)

Category	Energy charge(Rs./kVAH)
HT-VII: Green Power	9.35

- **HT-VIII: Temporary**

The licensee proposes to introduce an uniform tariff across categories and across voltages for HT Temporary connection

Category	Proposed Demand charge (Rs/kVA/month)	Proposed Energy charge (Rs./kVAH)
HT-VIII: Temporary	500	12.00

The licensee requests Honble Commission to include the following conditions in the Temporary Supply:-

This tariff is applicable to temporary supply for all activities which are temporary in nature such as construction works, exhibitions, circus, functions, public gatherings etc undertaken by Government & Private Agencies.

For Construction Purpose: The initial/ in –principle approval for such construction or to conduct such temporary activity obtained by the applicant from the appropriate authority, wherever necessary, is adequate to effect the supply.

The conversion from temporary supply to permanent supply for residential and commercial buildings above 10 meters in height, shall be done in compliance of required approvals / Regulations/ Orders of Government i.e Production of Occupancy Certificate, CEIG Certificate etc

**vii) Revenue Deficit / Surplus at Proposed Tariff and Charges**

Revenue Requirement Item (Rs.Cr)	2016-17
Aggregate Revenue Requirement	21376.86
Revenue from Current Tariffs (Net of incentives) (Rs.Crs.)	17164.83
Non - Tariff Income (Rs.Crs.)	43.34
Revenue from Trading	
<b>Revenue Deficit(-) / Surplus(+) at Current Tariff</b>	<b>(4168.69)</b>

<b>Revenue Requirement Item (Rs.Cr)</b>	<b>2016-17</b>
Revenue changed through proposed tariff	1573.35
External subsidy available / contracted	
<b>Net Deficit / Surplus (4-5-6-7)</b>	<b>(2595.35)</b>

**viii) Cross subsidy surcharge determination for FY 2016-17:**

The licensee has adopted for the determination of Cross Subsidy Surcharge based on the methodology as per National Tariff Policy. The Cross Subsidy as computed by the licensee for each category is as shown below:

Categories	Average Realization (Rs./unit)	Weighted PP (Rs./unit) as per Tariff Policy – Jan 2016	Wheeling Charges (Rs./unit)	Applicable Loss%	Cross Subsidy Surcharge (Rs./unit)	20% Limit on the Avg Realization	CSS as per Tariff Policy Jan 16. Limiting CSS to 20% of realization
<b>HIGH TENSION SUPPLY</b>							
<b>HT Category at 11 kV</b>							
HT-I Industry	8.31	4.19	0.52	11.99%	3.03	1.66	1.66
HT-II Others	10.51	4.19	0.52	11.99%	5.23	2.10	2.10
HT-III Airports, Bus Stn and Rly. Stn.	9.63	4.19	0.52	11.99%	4.35	1.93	1.93
HT-IV(A) Lift Irrigation & Agl.	5.61	4.19	0.52	11.99%	0.33	1.12	0.33
HT-VI Townships & Residential colonies	6.89	4.19	0.52	11.99%	1.61	1.38	1.38
HT Temporary	15.00	4.19	0.52	11.99%	9.71	3.00	3.00
<b>HT Category at 33 kV</b>							
HT-I Industry	7.32	4.19	0.19	7.84%	2.58	1.46	1.46
HT-II Others	9.37	4.19	0.19	7.84%	4.64	1.87	1.87
HT-III Airports, Bus Stn and Rly. Stn.	-	4.19	0.19	7.84%	0.00	0.00	0.00
HT-IV(A) Lift Irrigation & Agl.	6.28	4.19	0.19	7.84%	1.55	1.26	1.26
HT-VI Townships & Residential colonies	6.96	4.19	0.19	7.84%	2.22	1.39	1.39
Temporary	18.67	4.19	0.19	7.84%	13.94	3.73	3.73
<b>HT Category at 132 kV and above</b>							
HT-I Industry	6.62	4.19	0.16	4.01%	2.10	1.32	1.32
HT-II Others	9.35	4.19	0.16	4.01%	4.83	1.87	1.87
HT-III Airports, Bus Stn and Rly. Stn.	8.20	4.19	0.16	4.01%	3.68	1.64	1.64
HT-IV(A) Lift Irrigation & Agl.	6.30	4.19	0.16	4.01%	1.78	1.26	1.26
HT-V – Railway Traction	7.46	4.19	0.16	4.01%	2.93	1.49	1.49

**ix) Tariff Schedule**

Consumer Category/ Sub-Category/ Slab Structure (units)	Energy Unit	Existing Tariff		Proposed Tariff	
		Fixed/ Demand Charge (Rs./month)	Energy Charge (Rs./Unit)	Fixed/ Demand Charge (Rs./month)	Energy Charge (Rs./unit)
<b>LT-I Domestic</b>					
LT-I(A)(i): Up to 50 units/month	kWh		1.45		1.45
LT-I(A)(ii): Above 50 units/month					
LT-I(B)(i): More than 50 & up to 100 units/month					
First 50	kWh		1.45		1.45
51-100	kWh		2.60		2.60
LT-I(B)(ii): More than 100 & up to 200 units/month					
First 100	kWh		2.60		3.25
101-200	kWh		3.60		4.25
LT-I(B)(iii): More than 200 units/month					
0-200 @	kWh		4.10		4.80
201-400 @@	kWh		7.43		8.15
Above 400	kWh		8.50		9.50
@ Existing Tariff considered based on weighted average tariff of four slabs					
@@ Existing Tariff considered based on weighted average tariff of three slabs					
<b>LT-II Non-Domestic/Commercial</b>					
LT-II(A): Up to 50 units/month	kWh/kVAh	50/kW	5.40	50/kW	5.94
LT-II(B): Above 50 units/month					
First 50	kWh/kVAh	50/kW	6.60	50/kW	7.26
51-100	kWh/kVAh	53/kW	7.80	53/kW	8.58
101-300	kWh/kVAh	53/kW	8.60	53/kW	9.46
301-500	kWh/kVAh	53/kW	9.10	53/kW	10.01
Above 500	kWh/kVAh	53/kW	9.70	53/kW	10.67
LT-II(C): Advertisement Hoardings	kWh/kVAh	53/kW	11.70	53/kW	12.87
LT-II(D): Haircutting Salons having monthly consumption upto 200 units					
First 50	kWh/kVAh			50/kW	5.26
51-100	kWh/kVAh			53/kW	6.58
101-200	kWh/kVAh			53/kW	7.46
<b>LT-III: Industry</b>					
LT-III(i): Industry (General)	kWh/kVAh	53/kW	6.40	53/kW	6.79
LT-III(ii): Pisciculture/Prawn Culture	kWh/kVAh	21/kW	4.90	21/kW	5.20
LT-III(iii) Sugarcane Crushing	kWh/kVAh	21/kW	4.90	21/kW	5.20
LT-III(iv): Poultry Farms	kWh/kVAh	50/kW	3.60	50/kW	3.82
LT-III(v): Mushroom & Rabbit Farms	kWh/kVAh	53/kW	6.00	53/kW	6.36
LT-III(vi): Floriculture in Green House	kWh/kVAh	53/kW	6.00	53/kW	6.36
LT Seasonal Industries (off season)	kWh/kVAh	53/kW	7.10	53/kW	7.53
<b>LT-IV: Cottage Industries</b>					
LT-IV(A): Cottage Industries	kWh	20/kW	3.75	20/kW	3.75
LT-IV(B): Agro Based Activity	kWh	20/kW	3.75	20/kW	3.75
<b>LT-V: Agricultural</b>					
LT-V(A): Agriculture with DSM Measures					
Corporate Farmers & IT Assesses	kWh		2.50		2.50
Wet Land Farmers (holdings >2.5 acre)	kWh	525/HP*	0.50	525/HP*	0.50
Dry Land Farmers (connections > 3 Nos.)	kWh	525/HP*	0.50	525/HP*	0.50
Wet Land Farmers (holdings<=2.5 acre)	kWh		0.00		0.00
Dry Land Farmers (connections<=3 Nos.)	kWh		0.00		0.00
LT-V(B): Agriculture without DSM Measures					
Corporate Farmers & IT Assesses	kWh		3.50		3.50
Wet Land Farmers (holdings >2.5 acre)	kWh	1050/HP*	1.00	1050/HP*	1.00
Dry Land Farmers (connections > 3 Nos.)	kWh	1050/HP*	1.00	1050/HP*	1.00
Wet Land Farmers (holdings<=2.5 acre)	kWh	525/HP*	0.50	525/HP*	0.50
Dry Land Farmers (connections<=3 Nos.)	kWh	525/HP*	0.50	525/HP*	0.50
* Equivalent flat rate tariff					
LT-V(C): Others					
Rural Horticulture Nurseries upto 15HP	kWh	20/HP	3.70	20/HP	3.70
<b>LT-VI: Street Lighting and PWS Schemes</b>					
LT-VI(A): Street Lighting					

Consumer Category/ Sub-Category/ Slab Structure (units)	Energy Unit	Existing Tariff		Proposed Tariff	
		Fixed/ Demand Charge (Rs./month)	Energy Charge (Rs./Unit)	Fixed/ Demand Charge (Rs./month)	Energy Charge (Rs./unit)
Panchayats	kWh	32/kW	5.70	32/kW	6.27
Municipalities	kWh	32/kW	6.20	32/kW	6.82
Municipal Corporations	kWh	32/kW	6.70	32/kW	7.37
<b>LT-VI(B): PWS Schemes</b>					
Panchayats	kWh/kVAh	32/HP	4.60	32/HP	5.06
Municipalities	kWh/kVAh	32/HP	5.70	32/HP	6.27
Municipal Corporations	kWh/kVAh	32/HP	6.20	32/HP	6.82
<b>LT-VII: General</b>					
LT-VII(A): General Purpose	kWh/kVAh	21/kW	6.90	21/kW	7.59
LT-VII(B): Religious Places	kWh	21/kW	5.00	21/kW	5.50
<b>LT-VIII: Temporary Supply</b>					
	kWh/kVAh	21/kW	10.00	21/kW	11.00
<b>HT-I: Industry</b>					
<b>HT-I(A): Industry-General</b>					
11 kV	kVAh	370/kVA	6.00	398/kVA	6.45
33 kV	kVAh	370/kVA	5.60	398/kVA	6.02
132 kV & above	kVAh	370/kVA	5.10	398/kVA	5.49
<b>Light and Fans</b>					
11 kV	kVAh		6.00		6.45
33 kV	kVAh		5.60		6.02
132 kV & above	kVAh		5.10		5.49
<b>Poultry Farms</b>					
11 kV	kVAh	370/kVA	4.00	398/kVA	4.30
33 kV	kVAh	370/kVA	3.60	398/kVA	3.87
<b>Industrial Colonies</b>					
11 kV	kVAh		6.00		6.45
33 kV	kVAh		6.00		6.45
132 kV & above	kVAh		6.00		6.45
<b>Seasonal Industries</b>					
11 kV	kVAh	370/kVA	7.30	398/kVA	7.85
33 kV	kVAh	370/kVA	6.60	398/kVA	7.10
132 kV & above	kVAh	370/kVA	6.40	398/kVA	6.88
<b>Time of Day Tariffs (6 pm to 10 pm)</b>					
11 kV	kVAh		7.00		7.45
33 kV	kVAh		6.60		7.02
132 kV & above	kVAh		6.10		6.49
<b>Time of Day Tariffs (6 am to 10 am)</b>					
11 kV	kVAh				7.45
33 kV	kVAh				7.02
132 kV & above	kVAh				6.49
<b>Incentive Tariffs (10 pm to 6 am)</b>					
11 kV	kVAh				5.90
33 kV	kVAh				5.47
132 kV & above	kVAh				4.94
<b>HT-I(B): Ferro Alloy Units</b>					
11 kV	kVAh		5.70		5.70
33 kV	kVAh		5.30		5.30
132 kV & above	kVAh		4.80		4.80
<b>HT-II: Others</b>					
11 kV	kVAh	370/kVA	7.30	407/kVA	8.03
33 kV	kVAh	370/kVA	6.60	407/kVA	7.26
132 kV & above	kVAh	370/kVA	6.40	407/kVA	7.04
<b>Time of Day Tariffs (6 pm to 10 pm)</b>					
11 kV	kVAh		8.30		9.03
33 kV	kVAh		7.60		8.26
132 kV & above	kVAh		7.40		8.04

Consumer Category/ Sub-Category/ Slab Structure (units)	Energy Unit	Existing Tariff		Proposed Tariff	
		Fixed/ Demand Charge (Rs./month)	Energy Charge (Rs./Unit)	Fixed/ Demand Charge (Rs./month)	Energy Charge (Rs./unit)
Time of Day Tariffs (6 am to 10 am)					
11 kV	kVAh				9.03
33 kV	kVAh				8.26
132 kV & above	kVAh				8.04
Incentives Tariffs (10 pm to 6 am)					
11 kV	kVAh				7.48
33 kV	kVAh				6.71
132 kV & above	kVAh				6.49
<b>HT-III: Airports, Bus Stations and Railway Stations</b>					
11 kV	kVAh	370/kVA	7.00	407/kVA	7.70
33 kV	kVAh	370/kVA	6.40	407/kVA	7.04
132 kV & above	kVAh	370/kVA	6.00	407/kVA	6.60
Time of Day Tariffs (6 pm to 10 pm)					
11 kV	kVAh		8.00		8.70
33 kV	kVAh		7.40		8.04
132 kV & above	kVAh		7.00		7.60
Time of Day Tariffs (6 am to 10 am)					
11 kV	kVAh				8.70
33 kV	kVAh				8.04
132 kV & above	kVAh				7.60
Incentives Tariffs (10 pm to 6 am)					
11 kV	kVAh				7.15
33 kV	kVAh				6.49
132 kV & above	kVAh				6.05
<b>HT-IV: Irrigation &amp; CPWS</b>					
HT-IV(A): Lift Irrigation & Agriculture	kVAh		5.70		6.44
HT-IV(B): CPWS	kVAh		4.60		5.06
<b>HT-V: Railway Traction</b>					
HT-V(A): Railway Traction	kVAh		6.80		7.48
HT-V(B): HMR Traction	kVAh				7.30
<b>HT-VI: Townships &amp; Residential Colonies</b>	kVAh	53/kVA	6.00	59/kVA	6.60
<b>HT-VII: Green Power</b>	kVAh		8.50		9.35
<b>HT-VIII: Temporary</b>	kVAh	1.5 times of corresponding HT category		500/kVA	12.00

Other than the changes/modifications in tariff for the consumer categories mentioned above, the other aspects of tariff/charges such as applicability, terms & conditions, general conditions, category-wise specific conditions, additional charges for belated payment, customer charges, other charges are proposed to remain the same as mentioned in Retail Supply Tariff Order for FY2015-16.