

**NORTHERN POWER DISTRIBUTION COMPANY OF T.S. LIMITED,  
CORPORATE OFFICE: WARANGAL**

**Additional Information on filing of ARR for  
Retail Supply Business for FY 2017-18**

1. Details of power purchase cost variation for FY 2014-15, FY 2015-16 and FY 2016-17, Regulation No. 1 of 2014 stipulates that the Distribution Licensee shall include the power purchase cost variation relating to previous years in the filings of ARR for Retail Supply Business. This information was not furnished in the additional information submitted vide the reference 2<sup>nd</sup> to 4<sup>th</sup> cited above. In this regard, please furnish the power purchase quantity and its cost separately for FY 2014-15, FY 2015-16 and FY 2016-17 in the prescribed format (along with soft form in MS Excel) as specified in the Regulation No.1 of 2014.

**Reply:-** The power purchase quantity and power purchase cost separately for FY 2014-15, FY 2015-16 and FY 2016-17 prescribed format as specified in the regulation No.1 of 2014 are here with enclosed as **Annexure-I**.

2. Month wise and voltage wise actual distribution losses (in%) for FY 2014-15 FY 2015-16 and FY 2016-17 (up to January, 2017).

**Reply:-** Month wise and voltage wise actual distribution losses (in%) for FY 2014-15 FY 2015-16 and FY 2016-17 (up to January, 2017) are here with enclosed as **Annexure-II**.

3. Month wise actual transmission losses (in%) for FY 2014-15, FY 2015-16 and FY 2016-17(up to January,2017).

**Reply:-** Month wise actual transmission losses (in%) for FY 2014-15, FY 2015-16 and FY 2016-17(up to January,2017) are furnished in below table:

	<b>FY 2014-15</b>	<b>FY 2015-16</b>	<b>FY 2016-17</b>
<b>April</b>	4.30%	2.86%	3.32%
<b>May</b>	3.50%	3.24%	3.36%
<b>June</b>	3.53%	3.14%	3.36%
<b>July</b>	3.56%	3.09%	3.53%
<b>August</b>	3.40%	3.17%	3.55%
<b>September</b>	3.33%	3.03%	3.19%
<b>October</b>	3.13%	2.93%	3.32%
<b>November</b>	2.90%	2.94%	3.47%
<b>December</b>	2.80%	3.14%	3.17%
<b>January</b>	2.96%	3.07%	3.25%
<b>February</b>	2.86%	3.29%	
<b>March</b>	3.26%	3.24%	

4. Month wise actual ISTS losses for FY 2014-15, FY 2015-16 and FY 2016-17(up to January,2017).

**Reply:-** Month wise actual ISTS losses for each source for FY 2014-15, FY 2015-16 and FY 2016-17(up to January,2017) are furnished in below table:

	<b>FY 2014-15</b>	<b>FY 2015-16</b>	<b>FY 2016-17</b>
<b>April</b>	3.07%	3.40%	2.87%
<b>May</b>	3.73%	3.52%	2.79%
<b>June</b>	3.52%	3.22%	2.58%
<b>July</b>	3.56%	2.95%	2.43%
<b>August</b>	3.66%	3.03%	2.30%
<b>September</b>	4.01%	2.95%	2.27%
<b>October</b>	3.97%	2.88%	2.35%
<b>November</b>	4.10%	3.12%	2.32%
<b>December</b>	3.97%	3.36%	2.49%
<b>January</b>	3.77%	2.73%	2.25%
<b>February</b>	3.61%	3.19%	
<b>March</b>	3.48%	3.14%	

5. Revised Excel Format -3 (Sales Forecast) for FY 2016-17 considering the actual consumer category wise sales till January, 2017 and estimated sales for February and March, 2017.

**Reply:-** :- The revised sales for FY 2016-17 considering the actual consumer category wise sales till January 2017 and estimated sales for February and March, 2017 is here with enclosed as **Annexure-III**.

6. As per the copy of UDAY MoU, the Government of Telangana is to take over 75% of the outstanding debt of the Discoms as on 30 September, 2015 by the end of FY 2016-17. In this regard,

i) Furnish the impact of debt take over on the finances of the Distribution Business and Retail Supply Business of the Discom.

**Reply:-** The implementation of UDAY scheme will affect the finances of DISCOMs in two ways:

**1. Reduction in Depreciation:**

a. Overall loans pertaining to Capex with the Discoms till 30.09.2015 are calculated as

(Overall residual loans till 30th September 2015 – FRP loans and bonds)

b. Savings: Savings are computed as:

(Approved Depreciation as per the Distribution MYT order - The Debt

Servicing (repayment) of Capex loans as calculated in last step)

- c. Overall, the savings are INR 208 Crores for TSNPDCL
- d. These savings pertains to distribution business as only CAPEX loans are considered

**2. Reduction in interest payout:**

a. Cost of Debt for the Discoms is computed as  
(Debt portion (assumed 75%) of Approved RRB (Regulated Rate Base) for DISCOM)

\* 12% (rate of interest)

- b. Savings are computed as (Cost of debts as calculated above – Actual interest payout of the residual loans)
- c. Overall, the value of this saving is coming to be INR 50 Crores for Distribution line of business of TSNPDCL.
- d. Loans taken for funding power purchase cost is not considered under regulated account of TSNPDCL

**Overall savings for Distribution Line of Business- INR 258 Crores**

*(Please note that loans taken after 30.09.2015 are not considered to compute UDAY benefits)*

ii) It is to be clarified as to whether the interest payment of the debt taken over by the State Government shall be paid by the State Government or the Discoms.

**Reply:-** As per the UDAY MOU signed by the TS Discoms with the State Government and Government of India, the State to discharge Discom debt through mix of grant, loan or equity as described in the table below :

**(Rs. In Crores)**

Year	Total Debt taken over	Transfer to the DISCOMs in the form of Grants	Transfer to the DISCOMs in the form of Loans	Transfer to the DISCOMs in the form of Equity	Outstanding State Loan of the DISCOMs
Year-1 (By 31.03.2017)	75% of the total debt i.e. Rs. 8923 Crs.	50% of Rs. 8,923 Cr – Rs.4,462 Crs to be taken over in 2016-17	25% of Rs. 8923 Crs – Rs. 2230Crs	25% of Rs. 8,923 Crs – Rs. 2,231Crs will be issued in 2016-17	Rs.2230Crs

As can be seen from the above table, Discoms to pay the interest on the loan amount i.e INR **2,230** crore till take-over by the State Government.

# Annexure -I





89	KSK Mahanadi (MT)	0.00	452.27	0.00	68.29	0.00	104.02	0.00		0.00				0	172.31	68.29	104.02	0.00	0.00	0.00	172.31
90	Hinduja	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00				0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	Singareni	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00				0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	Thermal Power Tech	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00				0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>TOTAL OTHERS</b>	<b>0.00</b>	<b>452.27</b>	<b>0.00</b>	<b>68.29</b>	<b>0.00</b>	<b>104.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>172.31</b>	<b>68.29</b>	<b>104.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>172.31</b>
	MARKET																				
95	Bilateral Sales	1602.08	2240.14	0.00	52.49	961.25	1159.50	0.00		0.00				961.25017	1211.98	52.49	198.25	0.00	0.00	0.00	250.73
96	Jhajar	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00				0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	D-D Sales					-687.63								-687.63	0.00	0.00	687.63	0.00	0.00	0.00	687.63
	Purchase of REC					-19.51								-19.51	0.00	0.00	19.51	0.00	0.00	0.00	19.51
	<b>TOTAL MARKET</b>	<b>1602.08</b>	<b>2240.14</b>	<b>0.00</b>	<b>52.49</b>	<b>254.11</b>	<b>1159.50</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>254.11</b>	<b>1211.98</b>	<b>52.49</b>	<b>905.39</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>957.87</b>
	<b>TOTAL (From All Sources)</b>	<b>13921.07</b>	<b>13445.73</b>	<b>1303.41</b>	<b>1344.61</b>	<b>3088.72</b>	<b>3964.69</b>	<b>16.91</b>	<b>0.00</b>	<b>20.95</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>4430.00</b>	<b>5309.30</b>	<b>41.21</b>	<b>875.97</b>	<b>-16.91</b>	<b>-20.95</b>	<b>0.00</b>	<b>879.31</b>



FY 2015-16		2	6	7	8	10	13	14	16	17	18	19	20	21	22	23	20	21	22	23	24	25
Plant Code	Generating Station	Energy Purchased (MU) by DISCOM		Cost Components (Rs. Crs.)												Cost Variance Claim (Rs. Crs.)						
				Fixed Cost		Variable Cost		Incentive		Income Tax		Others		Total		Fixed	Variable	Incentives	Income Tax	Others	Total	
				As per TO	Actual	As per TO	Actual	As per TO	Actual	As per TO	Actual	As per TO	Actual	As per TO	Actual	As per TO	Actual	Variance	Variance	Variance	Variance	Variance
	GENCO																					
	Thermal																					
1	VTSP I	310.18213	445.73	27.24714	24.18	96.47	142.72		0.00		0.00		0.00	123.71378	166.90	-3.07	46.25	0.00	0.00	0.00	0.00	43.18
2	VTSP II	306.21227	445.73	27.24714	24.18	95.23	142.72		0.00		0.00		0.00	122.47915	166.90	-3.07	47.48	0.00	0.00	0.00	0.00	44.42
3	VTSP III	273.33723	445.73	27.24714	24.18	85.01	142.72		0.00		0.00		0.00	112.25502	166.90	-3.07	57.71	0.00	0.00	0.00	0.00	54.64
4	VTSP IV	570.93243	466.87	74.52617	77.69	171.85	140.68		0.00		0.00		0.00	246.37683	218.37	3.17	-31.17	0.00	0.00	0.00	0.00	-28.01
5	RTPP I	0	435.36	38.382185	35.61	0.00	151.95		0.00		0.00		0.00	38.382185	187.56	-2.77	151.95	0.00	0.00	0.00	0.00	149.18
6	RTPP Stage-II	95.4769	447.45	62.872805	65.73	32.65	150.35		0.00		0.00		0.00	95.525905	216.08	2.86	117.70	0.00	0.00	0.00	0.00	120.55
7	RTPP Stage-III	0	214.97	42.28431	44.47	0.00	73.22		0.00		0.00		0.00	42.28431	117.69	2.19	73.22	0.00	0.00	0.00	0.00	75.41
8	KTPS A	242.67684	206.79	20.64445	20.64	67.71	52.17		0.00		0.00		0.00	88.351287	72.81	0.00	-15.54	0.00	0.00	0.00	0.00	-15.54
9	KTPS B	232.29571	206.79	20.64445	20.64	64.81	52.17		0.00		0.00		0.00	85.454953	72.81	0.00	-12.64	0.00	0.00	0.00	0.00	-12.64
10	KTPS C	245.27433	206.79	20.64445	20.64	68.43	52.17		0.00		0.00		0.00	89.075987	72.81	0.00	-16.27	0.00	0.00	0.00	0.00	-16.27
11	KTPS D	520.37267	502.70	37.47807	37.48	118.12	104.24		0.00		0.00		0.00	155.60266	141.71	0.00	-13.89	0.00	0.00	0.00	0.00	-13.89
12	KTPS Stage VI	460.92195	344.19	91.898725	91.90	142.89	90.49		0.00		0.00		0.00	234.78453	182.38	0.00	-52.40	0.00	0.00	0.00	0.00	-52.40
13	RTS B	64.60741	57.72	7.636385	7.64	15.12	15.58		0.00		0.00		0.00	22.754519	23.21	0.00	0.46	0.00	0.00	0.00	0.00	0.46
14	NTS	0	0.00	0	0.00	0.00	0.00		0.00		0.00		0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Kakatiya Thermal Power Plant Stage I	562.49795	408.13	91.863385	91.86	132.75	100.50		0.00		0.00		0.00	224.6129	192.36	0.00	-32.25	0.00	0.00	0.00	0.00	-32.25
16	Kakatiya Thermal Power Plant Stage II	668.31769	95.61	80.860865	31.48	157.05	0.00		0.00		0.00		0.00	237.91552	31.48	-49.38	-157.05	0.00	0.00	0.00	0.00	-206.44
17	Damodaram Sanjeevaiah Thermal power plant - I	831.936	0.00	171.1958	0.00	249.58	0.00		0.00		0.00		0.00	420.77659	0.00	-171.20	-249.58	0.00	0.00	0.00	0.00	-420.78
18	Damodaram Sanjeevaiah Thermal power plant - II	831.936	0.00	171.1958	0.00	249.58	0.00		0.00		0.00		0.00	420.77659	0.00	-171.20	-249.58	0.00	0.00	0.00	0.00	-420.78
0	Thermal Incentive				0.113069									0	0.11	0.11	0.00	0.00	0.00	0.00	0.00	0.11
0	TSGENCO Thermal stations True Up 15-16				-4.11711									0	-4.12	-4.12	0.00	0.00	0.00	0.00	0.00	-4.12
0	TSGENCO Hydrel Stations True Up 14-15				-14.8988									0	-14.90	-14.90	0.00	0.00	0.00	0.00	0.00	-14.90
0	TOTAL THERMAL	6216.98	4930.54	1013.87	599.43	1747.25	1411.65	0.00	0.00	0.00	0.00	0.00	0.00	2761.12	2011.08	-414.44	-335.61	0.00	0.00	0.00	0.00	-750.05
0	Hydel																					
19	MACHKUND PH Telangana Share	53.64023	26.35	1.66098	2.41		0.00		0.00		0.00		0.00	1.66098	2.41	0.74	0.00	0.00	0.00	0.00	0.00	0.74
20	TUNGBHADRA PH Telangana Share	22.750125	4.45	1.139715	1.65		0.00		0.00		0.00		0.00	1.139715	1.65	0.51	0.00	0.00	0.00	0.00	0.00	0.51
21	USL	70.459125	0.00	6.90308	0.00		0.00		0.00		0.00		0.00	6.90308	0.00	-6.90	0.00	0.00	0.00	0.00	0.00	-6.90
22	LSR	172.01156	0.00	13.23483	0.00		0.00		0.00		0.00		0.00	13.23483	0.00	-13.23	0.00	0.00	0.00	0.00	0.00	-13.23
23	DONKARAYI	15.42002	0.00	0.71858	0.00		0.00		0.00		0.00		0.00	0.71858	0.00	-0.72	0.00	0.00	0.00	0.00	0.00	-0.72
24	SSLM	215.78015	43.29	24.263855	139.38		0.00		0.00		0.00		0.00	24.263855	139.38	115.12	0.00	0.00	0.00	0.00	0.00	115.12
25	NSPH	193.35692	25.93	22.18174	41.16		0.00		0.00		0.00		0.00	22.18174	41.16	18.98	0.00	0.00	0.00	0.00	0.00	18.98
26	NSRCPH	23.83683	0.00	2.10862	0.00		0.00		0.00		0.00		0.00	2.10862	0.00	-2.11	0.00	0.00	0.00	0.00	0.00	-2.11
27	NSLCPH	10.86116	0.00	1.63153	3.03		0.00		0.00		0.00		0.00	1.63153	3.03	1.40	0.00	0.00	0.00	0.00	0.00	1.40
28	POCHAMPAD PH	11.753495	-0.05	2.08506	3.41		0.00		0.00		0.00		0.00	2.08506	3.41	1.32	0.00	0.00	0.00	0.00	0.00	1.32
29	NIZAMSAGAR PH	1.917195	-0.06	0.580165	1.26		0.00		0.00		0.00		0.00	0.580165	1.26	0.68	0.00	0.00	0.00	0.00	0.00	0.68
30	PABM	1.10143	0.00	1.310525	0.00		0.00		0.00		0.00		0.00	1.310525	0.00	-1.31	0.00	0.00	0.00	0.00	0.00	-1.31
31	MINI HYDRO&OTHERS (Chettipeta)	1.834735	0.00	1.01897	0.00		0.00		0.00		0.00		0.00	1.01897	0.00	-1.02	0.00	0.00	0.00	0.00	0.00	-1.02
32	SINGUR	1.30169	-0.08	0.868775	1.89		0.00		0.00		0.00		0.00	0.868775	1.89	1.02	0.00	0.00	0.00	0.00	0.00	1.02
33	SSLM LCPH	260.69729	0.00	75.11517	0.00		0.00		0.00		0.00		0.00	75.11517	0.00	-75.12	0.00	0.00	0.00	0.00	0.00	-75.12
34	Nagarjunasagar Tail Pond Dam Power House	34.070705	0.00	7.78069	0.00		0.00		0.00		0.00		0.00	7.78069	0.00	-7.78	0.00	0.00	0.00	0.00	0.00	-7.78
35	Priyadarshini Jurala Hydro Electric Project- Telangana Shar	45.249925	5.95	19.49001	18.08		0.00		0.00		0.00		0.00	19.49001	18.08	-1.41	0.00	0.00	0.00	0.00	0.00	-1.41
36	Lower Jurala Hydro Electric Project	17.955665	2.54	25.913055	12.32		0.00		0.00		0.00		0.00	25.913055	12.32	-13.59	0.00	0.00	0.00	0.00	0.00	-13.59
37	POCHAMPAD Stage-II	3.642965	0.00	0.93651	0.00		0.00		0.00		0.00		0.00	0.93651	0.00	-0.94	0.00	0.00	0.00	0.00	0.00	-0.94
38	PULICHINTAL(New Project)	31.443765	0.00	10.67857	0.00		0.00		0.00		0.00		0.00	10.67857	0.00	-10.68	0.00	0.00	0.00	0.00	0.00	-10.68
39	Mini Hydro & Others (Peddapalli, Palair)	0	0.00	0	1.74		0.00		0.00		0.00		0.00	1.74	1.74	0.00	0.00	0.00	0.00	0.00	0.00	1.74
40	Ramagiri Wind Mills (AP)	0	0.00	0	0.00		0.00		0.00		0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	Pochampad Stage-IV	0	0.00	0	1.58		0.00		0.00		0.00		0.00	1.58	1.58	0.00	0.00	0.00	0.00	0.00	0.00	1.58
0	TOTAL HYDRO	1189.08	108.32	219.62	227.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	219.62	227.91	8.29	0.00	0.00	0.00	0.00	0.00	8.29
0	TOTAL GENCO	7406.06	5038.87	1233.49	827.34	1747.25	1411.65	0.00	0.00	0.00	0.00	0.00	0.00	2980.74	2238.98	-406.15	-335.61	0.00	0.00	0.00	0.00	-741.76
0	Central Generating Stations																					
0	NTPC																					
0	NTPC (SR)																					
42	NTPC (SR)	642.99952	699.52	43.102014	34.06	156.89	155.94		0.00		0.00		0.00	199.9939	190.00	-9.05	-0.95	0.00	0.00	0.00	0.00	-10.00



88	NB Ferro Alloys													0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
89	Corporate Power (MT)													0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
90	KSK Mahanadi (MT)	462.5417	0.00	79.00869	0.00	108.70	0.00			0.00				0.00	187.70599	0.00	-79.01	-108.70	0.00	0.00	0.00	-187.71
91	Hinduja	1075.7319	0.00	183.75029	0.00	246.34	0.00			0.00				0.00	430.0929	0.00	-183.75	-246.34	0.00	0.00	0.00	-430.09
92	Singareni Unit I	0	0.00	0	0.00	0.00	0.00			0.00				0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93	Thermal Power Tech	586.34656	592.14	100.15632	117.93	106.72	105.46			0.00				0.00	206.87139	223.40	17.78	-1.25	0.00	0.00	0.00	16.53
94	DBFOO		0.00		0.00		0.00			0.00				0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	Thermal Power Tech Unit II		0.00		0.00		0.00			0.00				0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96	Manuguru Thermal Power Plant		0.00		0.00		0.00			0.00				0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0																						
0																						
0	TOTAL OTHERS	2124.62	592.14	362.92	117.93	461.75	105.46	0.00	0.00	0.00	0.00	0.00	0.00	824.67	223.40	-244.98	-356.29	0.00	0.00	0.00	0.00	-601.27
0															0.00							
0	MARKET														0.00							
97	Bi-lateral Sales( PTC etc.)	0	3660.38	0	0.00		2011.96	0.00	0.00	0.00	0.00	0.00	0	2011.96	0.00	2011.96	0.00	0.00	0.00	0.00	0.00	2011.96
98	Jhajar	0	505.45	0	106.21	0.00	179.68	0.00	0.00	0.00	0.00	0	285.89	106.21	179.68	0.00	0.00	0.00	0.00	0.00	0.00	285.89
	D-to-D (Pool) Sales	-653.25	0.00	0	0.00	-242.65	0.00							-242.65	0.00	242.65	0.00	0.00	0.00	0.00	0.00	242.65
	TOTAL MARKET	-653.25	4165.82	0.00	106.21	-242.65	2191.64	0.00	0.00	0.00	0.00	0.00	-242.65	2297.85	106.21	2434.29	0.00	0.00	0.00	0.00	0.00	2540.50
	TOTAL (From All Sources)	13645.01	14061.10	2018.65	1416.86	3290.56	4789.55	0.00	0.00	0.00	0.00	0.00	0.00	5309.21	6206.40	-601.79	1498.98	0.00	0.00	0.00	0.00	897.20

Plant Code	Generating Station	Cost Components (Rs. Crs.)														Cost Variance Claim (Rs. Crs)					
		Energy Purchased (MU) by DISCOM		Fixed Cost		Variable Cost		Incentive		Income Tax		Others		Total		Fixed	Variable	Incentives	Income Tax	Others	Total
		As per TO	Actual	As per TO	Actual	As per TO	Actual	As per TO	Actual	As per TO	Actual	As per TO	Actual	As per TO	Actual	Variance	Variance	Variance	Variance	Variance	Variance
	GENCO																				
	Thermal																				
1	VTPS I	299.42	423.19	34.71	34.71	97.91	135.42	0.00	0.00		0.00		0.00	132.62	170.13	0.00	37.51	0.00	0.00	0.00	37.51
2	VTPS II	274.24	419.59	34.71	34.71	89.68	134.27	0.00	0.00		0.00		0.00	124.38	168.97	0.00	44.59	0.00	0.00	0.00	44.59
3	VTPS III	206.27	385.33	34.71	34.71	67.45	123.30	0.00	0.00		0.00		0.00	102.16	158.01	0.00	55.85	0.00	0.00	0.00	55.85
4	VTPS IV	450.96	571.26	74.74	74.74	69.13	137.99	0.00	0.00		0.00		0.00	212.73	241.66	-5.61	34.53	0.00	0.00	0.00	28.92
5	RTPP I	131.51	330.45	42.48	42.48	50.50	125.24	0.00	0.00		0.00		0.00	92.99	167.72	0.00	74.74	0.00	0.00	0.00	74.74
6	RTPP Stage-II	97.28	440.17	67.45	67.45	37.35	138.00	0.00	0.00		0.00		0.00	104.80	205.45	0.00	100.64	0.00	0.00	0.00	100.64
7	RTPP Stage-III	35.72	180.28	45.21	45.21	13.72	68.32	0.00	0.00		0.00		0.00	58.92	113.53	0.00	54.61	0.00	0.00	0.00	54.61
8	KTPS A	228.21	206.67	24.48	27.91	62.30	57.87	0.00	0.00		0.93		9.99	86.78	96.70	3.43	-4.43	0.00	0.93	9.99	9.92
9	KTPS B	204.09	206.67	24.48	27.91	55.72	57.87	0.00	0.00		0.93		9.99	80.20	96.70	3.43	2.16	0.00	0.93	9.99	16.50
10	KTPS C	214.13	215.79	24.48	27.91	58.46	60.43	0.00	0.00		0.93		9.99	82.94	99.25	3.43	1.97	0.00	0.93	9.99	16.31
11	KTPS D	467.02	471.72	36.05	42.29	94.34	100.27	0.00	0.00		1.94		20.80	130.39	165.31	6.24	5.94	0.00	1.94	20.80	34.92
12	KTPS Stage VI	493.23	496.60	86.74	89.65	132.68	140.59	0.00	0.00		1.94		20.80	219.42	252.98	2.92	7.91	0.00	1.94	20.80	33.57
13	RTS B	52.95	57.61	8.06	7.92	16.41	19.16	0.00	0.00		0.24		2.60	24.48	29.92	-0.14	2.74	0.00	0.24	2.60	5.44
14	NTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Kakatiya Thermal Power Plant Stage I	493.23	479.94	86.68	89.76	128.73	127.97	0.00	0.00		1.94		20.80	215.41	240.46	3.08	-0.77	0.00	1.94	20.80	25.05
16	Kakatiya Thermal Power Plant Stage II	1098.33	901.53	288.62	275.42	286.67	239.07	0.00	0.00		0.00		0.00	575.28	514.49	-13.20	-47.60	0.00	0.00	0.00	-60.80
17	Damodaram Sanjeevaiah Thermal power plant - I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Damodaram Sanjeevaiah Thermal power plant - II	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	TOTAL THERMAL	4746.59	5786.79	913.59	917.18	1329.91	1700.29	0.00	0.00	0.00	8.83	0.00	94.97	2243.50	2721.28	3.58	370.39	0.00	8.83	94.97	477.77
0	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	0.00	0.00	0.00	0.00	0.00
19	MACHKUND PH Telangana Share	50.11	20.99	3.20	4.69	0.00	0.00	0.00	0.00		0.00		0.00	3.20	4.69	1.49	0.00	0.00	0.00	0.00	1.49
20	TUNGBHADRA PH Telangana Share	21.62	2.04	2.19	3.20	0.00	0.00	0.00	0.00		0.00		0.00	2.19	3.20	1.00	0.00	0.00	0.00	0.00	1.00
21	USL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	LSR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	DONKARAYI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	SSLM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	NSPH	329.55	73.32	38.92	55.35	0.00	0.00	0.00	0.00		0.00		0.00	38.92	55.35	16.43	0.00	0.00	0.00	0.00	16.43
26	NSRCPH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	NSLCPH	19.31	3.75	2.86	4.07	0.00	0.00	0.00	0.00		0.00		0.00	2.86	4.07	1.21	0.00	0.00	0.00	0.00	1.21
28	POCHAMPAD PH	26.80	7.35	4.84	5.15	0.00	0.00	0.00	0.00		0.00		0.00	4.84	5.15	0.31	0.00	0.00	0.00	0.00	0.31
29	NIZAMSAGAR PH	8.84	1.62	1.79	1.91	0.00	0.00	0.00	0.00		0.00		0.00	1.79	1.91	0.12	0.00	0.00	0.00	0.00	0.12
30	PABM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	MINI HYDRO&OTHERS (Chettipeta)	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32	SINGUR	14.43	1.41	2.69	2.86	0.00	0.00	0.00	0.00		0.00		0.00	2.69	2.86	0.18	0.00	0.00	0.00	0.00	0.18
33	SSLM LCPH	397.58	115.51	135.81	140.59	0.00	0.00	0.00	0.00		0.00		0.00	135.81	140.59	4.78	0.00	0.00	0.00	0.00	4.78
34	Nagarjunasagar Tail Pond Dam Power House	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	Priyadarshini Jurala Hydro Electric Project- Telangana Sha	32.38	22.00	17.36	18.21	0.00	0.00	0.00	0.00		0.00		0.00	17.36	18.21	0.85	0.00	0.00	0.00	0.00	0.85
36	Lower Jurala Hydro Electric Project	157.39	41.57	79.22	63.31	0.00	0.00	0.00	0.00		0.00		0.00	79.22	63.31	-15.91	0.00	0.00	0.00	0.00	-15.91
37	POCHAMPAD Stage-II	11.14	2.33	2.85	2.06	0.00	0.00	0.00	0.00		0.00		0.00	2.85	2.06	-0.79	0.00	0.00	0.00	0.00	-0.79
38	PULICHINTAL(New Project)	58.22	8.34	14.01	6.29	0.00	0.00	0.00	0.00		0.00		0.00	14.01	6.29	-7.72	0.00	0.00	0.00	0.00	-7.72
39	Mini Hydel & Others (Peddapalli, Palair)	2.96	0.45	3.63	1.63	0.00	0.00	0.00	0.00		0.00		0.00	3.63	1.63	-2.00	0.00	0.00	0.00	0.00	-2.00
40	Ramagiri Wind Mills (AP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	Pochampad Stage-IV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	TOTAL HYDRO	1131.04	300.67	309.38	309.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	309.38	309.33	-0.05	0.00	0.00	0.00	0.00	-0.05
0	TOTAL GENCO	5877.64	6087.46	1222.98	1226.51	1329.91	1700.29	0.00	0.00	0.00	8.83	0.00	94.97	2552.89	3030.61	3.53	370.39	0.00	8.83	94.97	477.77
0	Central Generating Stations					0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00						
0	NTPC					0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00						
0	NTPC (SR)					0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00						
42	NTPC (SR)	815.75	733.86	39.35	35.84	189.25	153.73	2.14	1.47		0.00		0.00	230.75	191.03	-3.51	-35.53	-0.67	0.00	0.00	-39.72
43	NTPC (SR) Stage III	194.54	176.62	14.22	15.06	44.55	37.66	0.51	0.00		0.00		0.00	59.28	52.73	0.85	-6.89	-0.51	0.00	0.00	-6.55
0	Total NTPC(SR)	1010.29	910.48	53.57	50.90	233.80	191.39	2.65	1.47	0.00	0.00	0.00	0.00	290.02	243.76	-2.67	-42.42	-1.18	0.00	0.00	-46.27
0	NTPC (ER)					0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00						
44	Farakka		0.00		0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00						
45	Kahalgaon		0.00		0.00	0.00	0.02	0.00	0.00		0.00		0.00	0.00	0.02						
46	Talcher - Stage 1		0.00		0.01	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.01						
47	Talcher Stage 2	504.22	469.04	33.35	35.29	66.05	75.13	1.47	0.65		0.00		0.00	100.87	111.06	1.93	9.08	-0.82	0.00	0.00	10.18
48	Others		0.00		0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00						
0	Total NTPC(ER)	504.22	469.04	33.35	35.29	66.05	75.13	1.47	0.65	0.00	0.00	0.00	0.00	100.87	111.09	1.93	9.08	-0.82	0.00	0.00	10.18
0					0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00						



92	Singareni Unit I	760.52	682.31	145.01	134.08	163.51	151.06	0.00	0.00		9.21		0.05	308.52	294.40	-10.93	-12.45	0.00	9.21	0.05	-14.12
101	Singareni Unit II	760.52	379.72	145.01	91.35	163.51	77.84	0.00	0.00		6.28		0.05	308.52	175.51	-53.66	-85.67	0.00	6.28	0.05	-133.01
93	Thermal Power Tech	590.86	542.36	112.66	100.73	109.31	99.74	0.00	0.00		0.00		0.00	221.97	200.47	-11.93	-9.57	0.00	0.00	0.00	-21.49
94	CSPGCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	Thermal Power Tech Unit II	1323.43	1168.41	252.34	284.12	203.81	195.15	0.00	0.00		0.00		0.00	456.15	479.27	31.79	-8.66	0.00	0.00	0.00	23.13
96	Manuguru Thermal Power Plant		0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00	0.00						
0					0.00	0.00			0.00												
0	TOTAL OTHERS	3546.31	2772.80	2296.00	610.28	665.00	523.80	0.00	0.00	0.00	15.49	0.00	0.10	1341.17	1149.66	-65.89	-141.20	0.00	15.49	0.10	-191.51
0					0.00	0.00	0.00		0.00		0.00		0.00		0.00						
0	MARKET				0.00	0.00	0.00		0.00		0.00		0.00		0.00						
97	Bi-lateral Sales( PTC etc.)	0.00	863.30	0.00	0.00	0.00	413.52		0.00		0.00		0.00	413.52	0.00	413.52	0.00	0.00	0.00	0.00	413.52
98	Jhajjar	0.00	22.00	0.00	1.94	0.00	6.79		0.00		0.00		0.00	8.73	1.94	6.79	0.00	0.00	0.00	0.00	8.73
0	D to D Sales	-943.00	121.33			-467.73	60.18							-467.73	60.18	0.00	527.91	0.00	0.00	0.00	527.91
0	Pension liabilities of TSGENCO					95.00								95.00	0.00	0.00	-95.00	0.00	0.00	0.00	-95.00
0	Savings from excess energy sale					-65.00								-65.00	0.00	65.00	0.00	0.00	0.00	0.00	65.00
	TOTAL MARKET	-943.00	1006.63	0.00	1.94	-437.73	480.49	0.00	0.00	0.00	0.00	0.00	0.00	-437.73	482.42	1.94	918.21	0.00	0.00	0.00	920.15
	TOTAL (From All Sources)	14378.29	14340.21	3912.98	2227.22	3239.28	3902.68	5.01	2.69	0.00	50.22	0.00	95.09	5537.44	6277.90	-65.94	663.38	-2.32	50.22	95.09	740.43

# Annexure -II

## Annexure-II

### Voltage wise and Month wise actual Distribution Losses of TSNPDCL for FY 2014-15

FY 2014-15

Voltage Level	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	From April-14 to March-15
LT Losses (in %)	9.38%	7.19%	6.01%	6.17%	7.83%	6.37%	7.63%	8.57%	7.96%	8.65%	7.90%	6.88%	7.57%
11kV Losses (in %)	4.00%	4.89%	4.46%	5.27%	4.67%	4.58%	5.26%	4.75%	4.75%	4.46%	4.46%	4.83%	4.70%
33kV Losses (in %)	3.91%	4.59%	4.93%	4.64%	3.47%	4.98%	4.94%	3.12%	4.52%	4.67%	5.38%	4.48%	4.48%
<b>Distribution Losses (in %)</b>	<b>15.00%</b>	<b>14.54%</b>	<b>13.58%</b>	<b>14.25%</b>	<b>14.05%</b>	<b>14.15%</b>	<b>15.82%</b>	<b>14.19%</b>	<b>14.98%</b>	<b>15.44%</b>	<b>15.43%</b>	<b>14.47%</b>	<b>14.69%</b>

### Voltage wise and Month wise actual Distribution Losses of TSNPDCL for FY 2015-16

FY 2015-16

Voltage Level	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	From April-15 to March-16
LT Losses (in %)	7.95%	8.59%	5.75%	4.78%	6.54%	6.00%	5.30%	5.68%	6.68%	8.25%	6.78%	13.69%	7.19%
11kV Losses (in %)	4.58%	4.63%	4.91%	4.78%	4.59%	4.62%	4.74%	4.37%	4.57%	4.45%	4.33%	4.88%	4.62%
33kV Losses (in %)	5.39%	4.54%	2.25%	6.46%	4.98%	3.78%	5.20%	3.61%	4.17%	4.27%	3.72%	3.76%	4.42%
<b>Distribution Losses (in %)</b>	<b>15.59%</b>	<b>15.45%</b>	<b>11.30%</b>	<b>14.53%</b>	<b>14.38%</b>	<b>12.83%</b>	<b>13.83%</b>	<b>12.13%</b>	<b>13.67%</b>	<b>14.87%</b>	<b>13.15%</b>	<b>19.41%</b>	<b>14.35%</b>

### Voltage wise and Month wise actual Distribution Losses of TSNPDCL for FY 2016-17 (up to Jan-2017)

FY 2016-17(up to Jan-17)

Voltage Level	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	From April-16 to Jan-17
LT Losses (in %)	10.99%	9.28%	5.56%	6.43%	8.23%	7.80%	3.83%	6.06%	5.35%	3.30%			6.53%
11kV Losses (in %)	3.81%	3.83%	3.75%	3.88%	3.94%	3.76%	3.84%	3.80%	3.62%	2.93%			3.69%
33kV Losses (in %)	4.53%	4.38%	2.06%	2.42%	4.83%	3.20%	3.94%	3.48%	1.83%	3.40%			3.47%
<b>Distribution Losses (in %)</b>	<b>16.69%</b>	<b>15.28%</b>	<b>10.00%</b>	<b>11.38%</b>	<b>15.15%</b>	<b>12.82%</b>	<b>10.67%</b>	<b>11.78%</b>	<b>9.65%</b>	<b>8.85%</b>			<b>12.17%</b>



# Annexure -III

### Annexure-III

**Form 3 (Sales Forecast)**

**FY 2016-17 (Actuals upto Jan-2017 & Estimated for Feb-17 and Mar-17)**

Sales / Forecast Sales (MU)	April	May	June	July	August	September	October	November	December	January	February	March	Total
<b>LT Category</b>	<b>696.64</b>	<b>575.64</b>	<b>542.96</b>	<b>710.12</b>	<b>970.91</b>	<b>691.31</b>	<b>893.35</b>	<b>704.29</b>	<b>851.40</b>	<b>1037.79</b>	<b>815.15</b>	<b>842.57</b>	<b>9332.13</b>
Category I (A&B) - Domestic	270.98	283.10	289.78	264.59	254.49	261.04	242.13	222.01	196.43	177.30	216.32	240.67	2918.84
Category II (A,B,C & D) - Non-domestic/Commercial	55.59	56.07	57.56	52.84	48.98	50.89	53.36	45.29	43.05	41.78	46.87	51.04	603.32
Category III - Industrial	22.11	20.09	20.30	18.87	17.33	17.49	15.49	16.55	22.44	27.57	23.54	21.36	243.13
Category IV (A,&B) - Cottage Industries & Agrobased Ind.	0.59	0.55	0.56	0.55	0.51	0.52	1.38	0.50	0.50	0.52	0.55	0.53	7.25
Category V (A, B & C) - Irrigation and Agriculture	320.02	189.43	149.55	346.98	623.41	334.30	555.34	393.40	562.00	763.62	500.40	501.44	5239.89
Category VI (A & B) - Local Bodies, St. Lighting & PWS	23.48	23.48	22.58	22.63	22.03	22.99	22.51	23.12	23.60	23.76	24.00	23.38	277.57
Category VII (A & B) - General Purpose	3.87	2.92	2.63	3.66	4.16	4.08	3.15	3.41	3.39	3.24	3.48	4.16	42.14
Category VIII -Temporary Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>HT Category at 11 KV</b>	<b>112.84</b>	<b>83.65</b>	<b>91.47</b>	<b>92.49</b>	<b>110.40</b>	<b>116.53</b>	<b>86.25</b>	<b>107.77</b>	<b>125.07</b>	<b>139.35</b>	<b>124.85</b>	<b>112.70</b>	<b>1303.37</b>
HT-I Industry Segregated	38.86	34.26	35.60	34.16	34.81	34.73	31.12	44.27	48.95	51.43	53.54	41.53	483.27
HT-I (B) Ferro-Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II - Others	10.34	10.08	9.43	8.04	9.28	9.22	8.25	8.46	7.11	6.99	8.56	9.00	104.76
HT-III Airports, Railway and Busstations	0.79	0.77	0.81	0.64	0.68	0.69	0.65	0.59	0.53	0.52	0.62	0.60	7.86
HT -IV A Govt Lift Irrigation	1.26	0.87	0.17	0.27	1.75	2.58	0.84	2.08	1.85	3.15	1.39	1.08	17.30
HT- IV B - CP Water Supply Schemes	1.38	1.11	1.06	1.11	1.30	1.16	1.20	1.42	1.16	1.16	3.22	3.29	18.57
HT-VI Townships and Residential Colonies	1.25	1.09	1.15	0.99	1.02	1.04	0.94	0.91	0.80	0.83	1.00	1.01	12.04
HT -VII - Temporary Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT - RESCOs	58.96	35.48	43.25	47.27	61.55	67.11	43.26	50.04	64.67	75.27	56.51	56.20	659.57
<b>HT Category at 33 KV</b>	<b>21.65</b>	<b>20.15</b>	<b>19.94</b>	<b>18.09</b>	<b>26.55</b>	<b>26.80</b>	<b>30.13</b>	<b>29.08</b>	<b>21.07</b>	<b>22.60</b>	<b>29.01</b>	<b>27.45</b>	<b>292.50</b>
HT-I Industry Segregated	16.11	14.97	14.72	13.27	14.24	13.41	13.53	15.81	14.69	15.33	16.04	14.62	176.74
HT-I (B) Ferro-Alloys	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
HT-II - Others	1.20	1.02	0.91	0.99	1.12	1.07	0.98	1.19	1.15	1.41	1.11	1.14	13.27
HT-III Airports, Railway and Busstations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT -IV A Govt Lift Irrigation	0.22	0.18	0.06	0.04	6.78	8.53	12.12	8.79	0.83	2.75	0.51	0.36	41.17
HT- IV B - CP Water Supply Schemes	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	7.80	7.80	15.64
HT-VI Townships and Residential Colonies	4.11	3.97	4.24	3.78	4.40	3.78	3.50	3.29	4.40	3.09	3.55	3.54	45.65
HT -VII - Temporary Supply													0.00
<b>HT Category at 132 KV</b>	<b>101.75</b>	<b>103.82</b>	<b>109.84</b>	<b>140.67</b>	<b>178.52</b>	<b>184.34</b>	<b>158.73</b>	<b>155.23</b>	<b>106.21</b>	<b>115.30</b>	<b>111.19</b>	<b>103.44</b>	<b>1569.04</b>
HT-I Industry Segregated	54.74	52.34	57.59	53.24	57.39	62.12	57.45	57.40	55.21	57.48	64.95	60.78	690.69
HT-I (B) Ferro-Alloys	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II - Others	2.22	1.14	0.38	0.49	0.41	0.27	0.61	0.14	0.09	0.15	0.20	0.20	6.31
HT-III Airports, Railway and Busstations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT -IV A Govt Lift Irrigation	0.55	7.12	7.47	45.91	76.44	78.54	59.33	55.60	12.25	15.50	0.85	0.64	360.21
HT- IV B - CP Water Supply Schemes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-V (A) Railway Traction	35.23	34.28	35.19	32.95	35.97	34.54	32.64	33.66	31.51	35.03	37.36	33.48	411.85
HT-V (B) HMR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-VI Townships and Residential Colonies	9.00	8.94	9.22	8.09	8.31	8.88	8.69	8.43	7.14	7.13	7.82	8.34	99.99
HT -VII - Temporary Supply													0.00
<b>Total</b>	<b>932.88</b>	<b>783.26</b>	<b>764.21</b>	<b>961.37</b>	<b>1286.37</b>	<b>1018.99</b>	<b>1168.46</b>	<b>996.36</b>	<b>1103.75</b>	<b>1315.04</b>	<b>1080.19</b>	<b>1086.16</b>	<b>12497.04</b>