

# ANNEXURES

**Annexure-1**  
*(Referred to in paragraph 2.4.1)*  
**Financial Performance of TANGEDCO during the years 2015-16 to 2019-20**  
(₹ in crore)

Particulars	2015-16	2016-17	2017-18	2018-19	2019-20
<b>Revenue</b>					
Revenue from Operations	49,210.85	54,449.31	56,191.74	54,945.03	56,295.39
Other Income	494.54	1,562.81	2,389.34	6,721.70	8,881.71
<b>Total Revenue</b>	<b>49,705.39</b>	<b>56,012.12</b>	<b>58,581.08</b>	<b>61,666.73</b>	<b>65,177.10</b>
<b>Expenses</b>					
(a) Cost of Power Purchase	31,617.63	37,384.59	41,071.77	44,178.31	47,145.89
(b) Cost of Power Generation	8,744.22	8,036.98	7,291.64	9,431.70	8,267.41
(c) Employee Benefit Expenses	5,008.70	5,628.04	7,535.60	8,905.47	8,887.33
(d) Finance Cost	8,821.85	8,432.49	7,263.84	8,248.19	9,356.48
(e) Depreciation and Amortization Expenses	1,608.21	1,857.42	2,062.17	2,416.37	2,765.17
(f) Other Expenses	1,135.30	814.14	938.63	1,110.12	719.76
<b>Total Expenses</b>	<b>56,935.91</b>	<b>62,153.66</b>	<b>66,163.65</b>	<b>74,290.15</b>	<b>77,142.04</b>
<b>Loss for the year</b>	<b>-7,230.52</b>	<b>-6,141.54</b>	<b>-7,582.57</b>	<b>-12,623.41</b>	<b>-11,964.94</b>
Prior Period Charge/Credit	1443.71	1,792.78	-178.21	0.00	0.00
<b>Net Loss</b>	<b>-5786.81</b>	<b>-4,348.76</b>	<b>-7,760.78</b>	<b>-12,623.41</b>	<b>-11,964.94</b>

(Source: Annual Reports of TANGEDCO for the respective years)

**Annexure-2 (a)**

*(Referred to in paragraph 2.4.6.(i))*

**Details of short claim of subsidy on agricultural consumption**

Year	Subsidy claimed and approved by TNERC based on connected load			Subsidy Receivable based on the consumption reported in annual accounts			Differential subsidy (₹ in crore)
	Connection Load in HP	Rate per HP (Amount in ₹)	Subsidy approved by TNERC (₹ in crore)	Consumption in MUs as reported in annual accounts	Rate per unit (Amount in ₹)	Subsidy receivable (₹ in crore)	
1	2	3	4(2x3)	5	6	7(5x6)	8(7-4)
2015-16	1,15,06,184	2,875	3,308.03	11,542	3.22	3,716.52	408.49
2016-17	1,16,04,638	2,875	3,336.33	11,727	3.22	3,776.09	439.76
2017-18	1,19,35,536	2,875	3,431.46	11,250	3.22	3,622.50	191.04
2018-19	1,42,30,410	2,875	4,091.25	13,064	3.22	4,206.61	115.36
2019-20	1,45,12,810	2,875	4,172.43	13,812	3.22	4,447.46	275.03
<b>Total</b>			<b>18,339.50</b>			<b>19,769.18</b>	<b>1,429.68</b>

**Annexure-2 (b)**

*(Referred to in paragraph 2.4.6.(ii))*

**Details of short claim of subsidy for hut connections**

Year	Number of hut Consumers	Subsidy Received based on fixed rate per month i.e., ₹145 per month (₹ in crore)	Consumption in MUs	Subsidy receivable based on consumption i.e., ₹4.95 per unit (₹ in crore)	Short claimed Subsidy (₹ in crore)
1	2	3(2 x ₹145 x 12)	4	5(4 x ₹4.95)	6
2015-16	11,37,086	197.85	440	217.80	19.95
2016-17	11,25,482	195.83	452	223.74	27.91
2017-18	11,21,026	195.06	391	193.55	(-) 1.51
2018-19	11,21,198	195.09	427	211.37	16.28
2019-20	11,14,214	193.87	491	243.05	49.18
<b>Total</b>					<b>111.81</b>

(Source: TNERC subsidy orders and annual accounts of the respective year)

## Annexure-3

(Referred to in paragraph 2.4.18.1)

## Statement showing the actual AT&amp;C and consequent loss

Particulars	Reference	2015-16	2016-17	2017-18	2018-19	2019-20
<b>Net Input Energy (in MUs)</b>						
As per CEA Method	<b>A</b>	82,214	83,597	83,695	90,458	90,650
As reported by TANGEDCO	<b>B</b>	92,613	98,183	99,702	1,07,629	1,07,615
<b>AT&amp;C Loss (per cent)</b>						
As per CEA Method	<b>C</b>	16.93	18.78	19.37	17.32	15.31
As reported by TANGEDCO	<b>D</b>	14.58	15.39	15.96	15.08	12.39
As per MoU	<b>E</b>	14.58	14.06	13.79	13.50	13.50
Difference between AT&C loss as per CEA method and AT&C loss reported TANGEDCO)	<b>F = (C-D)</b>	2.35	3.39	3.41	2.24	2.92
Excess of AT&C Loss over the targets fixed in the MoU.	<b>G = (C-E)</b>	2.35	4.72	5.58	3.82	1.81
<b>Loss of power for not meeting MoU targets</b>						
Loss of power for not meeting MOU Target (in MUs) as per CEA method	<b>H= A x G</b>	1,930	3,945	4,669	3,456	1640
Loss of power for not meeting MOU Target (in MUs) as per TANGEDCO method	<b>I=B x (D-E)</b>	0	1,306	2,164	1,704	-1195
Average Cost per Unit (₹)	<b>J</b>	3.74	3.96	4.29	4.42	4.46
Value of power lost for not meeting MOU Target as per CEA method (₹ in crore)	<b>K = H X J</b>	721.57	1,562.98	2,002.27	1,529.20	731.23
<b>Total loss</b>						<b>6,547.25</b>

(Source: Annual Reports of TANGEDCO and TANTRANSCO, MOU and CEA Circulars.)

**Annexure-4**

*(Referred to in paragraph 2.4.18.3)*

**Details of activity-wise target and achievements for operational turnaround**

Sl. No.	Brief Description of activities	Status as on 31 March 2016	Target for the activities		Achievement up to March 2020		Expenditure up to March 2020 (₹ in crore)	Status of beneficial use
			Quantity	Completion Date	Quantity	Percentage		
1	Feeder Metering	7266	7383	30 September 2016	7994	108.3	5.15	Not being effectively used for energy accounting
2	DT Metering							
	Urban areas	48373	66073	30 September 2017	69261	104.8	183.69	Not being used for energy accounting
Rural areas	0	180748	30 September 2018	18035	9.98			
3	11/22 KV Feeder Audit in rural areas	0	2558	31 March 2019	2484	97.1	---	--
4	Feeder Improvement Programs (Numbers)	0	42250	31 March 2019	3470	8.2	288.37	work is in progress
6	Feeder Separation i.e. separation of agriculture load on feeder.	0	1920	31 March 2020	22	1.15	95.60	Initial stage
7	Installation of smart Meters for non-agricultural consumers consuming							
	More than 500 units	0	1552000	31 March 2019	0	0	7.45	Only IT hardware procured.
More than 200 units	0	8256000	31 March 2020	0	0			
8	24 x 7 power for Domestic connections	TANGEDCO was already providing 100 per cent 24 x 7 power for domestic connections					---	Completed
9	Implementation of ERP	ERP shall go live by March 2019.			Under implementation		68.00	---
10	Providing of LED bulbs	0	65 lakh	31 March 2020	35.21 lakh	54.20	--	Partial achievement
11	Consumer Indexing and GIS mapping of losses	Under implementation. No time limit provided in MOU					0.37	---
12	Energy efficient agricultural pumps	0	94420	31 March 2019	0	0	--	Not started
<b>Total</b>							<b>648.63</b>	

(Source: As per the MoU and data provided by TANGEDCO)

## Annexure-5

(Referred to in paragraph 2.4.19)

Statement showing excess transmission loss over the targeted level

Year	Energy injected (MU)	Energy fed to EHT / HT and receipt at Substation (MU)	Actual Transmission loss (per cent)	Transmission Loss trajectory as per MoU (per cent)	Excess Transmission loss over targeted loss as per MoU (per cent)	Excess Transmission loss over targeted loss as per MoU (MU)	Average cost of Power purchased (in ₹)	Value Excess loss incurred (₹ in crore)	
1	2	3	4	5	6 (4-5)	7 [(2)*(6)/100]	8	9[(7)*(8)/10]	
2015-16 (base year)	92,526	88,727	4.11	4.110	0.000	0.00	3.74	0	
2016-17	97,329	93,362	4.08	4.055	0.025	24.33	3.96	9.64	
2017-18	10,272	98,594	4.02	4.000	0.020	20.54	4.29	8.81	
2018-19	10,957	1,05,233	3.97	3.945	0.025	27.39	4.42	12.12	
2019-20	10,945	1,05,153	3.93	3.890	0.040	43.78	4.46	19.52	
<b>Total</b>							<b>116.05</b>		<b>50.09</b>

(Source: Annual Accounts of TANGEDCO and TANTRANSCO)