

Andhra Pradesh Electricity Distribution Companies Monthly Report on Key Performance Indicators November- 2021

Prepared by- Strategic Planning Unit

Disclaimer

This report has been prepared based on the information obtained from power utilities. SPU does not guarantee the accuracy of the data.

Copyright © SPU. Produced 04 February 2022.

This report is subject to copyright. All or part of it can be reproduced for bonafide research or public policy with appropriate acknowledgement of the Andhra Pradesh Transmission Corporation.

Contents

1.	Sales	1
2.	Purchases	2
3.	Sales by Categories	4
	3.1 Energy Sales by Category (MU)	4
	3.2 Energy Sales by Voltage Level (MU)	4
	3.3 Collection by Category (Rs Cr)	4
	3.4 Bills by Category (Nos)	4
	3.5 Average Revenue Realized by Category (Rs/kWh)	5
	3.6 Average Monthly Consumption by Category (kWh/Bill/Month)	5
	3.7 Average Collection per Bill by Category (Rs/Bill/Month)	6
4.	Purchase by Categories	7
	4.1 Energy Purchased by Source (MU)	7
	4.2 Power Purchase Cost by Source (Rs Cr)	7
	4.3 Fixed Cost by Source (Rs Cr)	7
	4.4 Variable Cost by Source (Rs Cr)	7
	4.5 Average Energy Cost per Unit by Source (Rs/kWh)	8
	4.6 Fixed Cost per Unit by Source (Rs/kWh)	8
	4.7 Variable Cost per Unit by Source (Rs/kWh)	8
	4.8 Power Purchase Cost by Voltage Level on Sales basis (Rs Cr)	9
	4.9 Network Cost by Voltage Level on Sales basis (Rs Cr)	9
	4.10 Retail Supply Cost by Voltage Level on Sales basis (Rs Cr)	9
	4.11 Cost of Service by Voltage Level on Sales basis (Rs Cr)	9
	4.12 Losses by Voltage (MU)	9
	4.13 Cost of Service by Voltage Level on Purchase Basis (Rs Cr)	9
	4.14 Average Cost of Service by Voltage Level (Rs Cr)	10
5.	Receivables	11
	5.1 Income Estimates (Rs Cr)	11
	5.2 Receivables during Month (Rs Cr)	11
	5.3 Receivables YTD (Rs Cr)	11
6.	Payables	13
	6.1 Expenditure for FY22 (Rs Cr)	13
	6.2 Payables during the Month (Rs Cr)	13
	6.3 Payables YTD (Rs Cr)	14
7.	Debt Servicing	15
	7.1 Debt Servicing Schedule (Rs Cr)	15
	7.2 Debt Servicing during the month (Rs Cr)	15
	7.3 Debt Servicing YTD (Rs Cr)	15
	7.4 Debt Outstanding (Rs Cr)	15

1. Sales

#	Item	Units	Month			YTD		
			CY	PY	% ↑	CY	PY	% ↑
Energy (MU)								
1.01	Metered Sales	MU	4332 (88%)	3906 (87%)	11%	34304 (84%)	29040 (81%)	18%
3.1.9	Agl Consumption	MU	591 (12%)	600 (13%)	-2%	6615 (16%)	6599 (19%)	0%
3.1.19	Discom Sales	MU	4923	4506	9%	40919	35639	15%
1.02	Private Sales	MU	3847 (78%)	3474 (77%)	11%	29626 (72%)	24947 (70%)	19%
1.03	Government Sales	MU	614 (12%)	447 (10%)	38%	3999 (10%)	3073 (9%)	30%
1.04	Government Subsidy	MU	462 (9%)	585 (13%)	-21%	7294 (18%)	7619 (21%)	-4%
Collection (Rs. Cr)								
1.05	Opening Debtors	Rs Cr	12999	10851	20%	11673	8899	31%
5.2.14	Pvt Sales	Rs Cr	2382	1923	24%	18605	14909	25%
5.2.7	Gov Sales	Rs Cr	1227	197	522%	2345	1074	118%
5.2.1	Gov Subsidy	Rs Cr	443	2071	-79%	5122	3178	61%
1.06	Others	Rs Cr	0	0	-	0	0	-
3.3.19	Discom Collections	Rs Cr	4052	4191	-3%	26072	19162	36%
1.07	Metered Sales	Rs Cr	3830	2447	57%	21210	16276	30%
3.3.10	Agl Consumption	Rs Cr	222	1745	-87%	4860	2885	68%
1.08	Revenue from Sale	Rs Cr	3436	3231	6%	28533	25299	13%
1.09	Adj Revenue from Sale	Rs Cr	2977	3244	-8%	28016	22148	26%
1.10	Closing Debtors	Rs Cr	12570	11577	9%	12570	11577	9%
1.11	Adj Closing Debtors	Rs Cr	12570	11577	9%	12570	11577	9%
KPIs								
3.5.19	ARR	Rs/kWh	8.23	9.30	-12%	6.37	5.38	19%
3.6.19	AMC	kWh/bill/Mth	272	257	6%	314	282	11%
3.7.19	ACPB	Rs/bill/Mth	2241	2390	-6%	1998	1515	32%

2. Purchases

#	Item	Units	Month			YTD		
			CY	PY	% ↑	CY	PY	% ↑
Power Purchase								
3.1.19	Discom Sales	MU	4923 (91%)	4506 (96%)	9%	40919 (89%)	35639 (105%)	15%
2.01	Discom Losses	MU	260 (5%)	289 (6%)	-10%	3229 (7%)	2755 (8%)	17%
2.02	Discom Input	MU	5183 (96%)	4795 (103%)	8%	44148 (96%)	38394 (113%)	15%
2.03	Transmission Loss	MU	132 (2%)	123 (3%)	8%	1262 (3%)	1457 (4%)	-13%
4.1.11	Discom Purchases	MU	5424	4674	16%	46106	33850	20%
4.2.11	Power Purchase Cost	Rs. Cr	2182 (66%)	1869 (65%)	17%	20021 (71%)	14527 (65%)	38%
Contracted Network Capacity (MW)								
2.04	STU	MW	12843	11909	8%	12843	11909	8%
2.05	CTU	MW	1738	2094	-17%	1857	2228	-17%
2.06	Distribution	MW	11334	10365	9%	11334	10365	9%
Capacity Charges								
2.07	STU Charges	Rs. Lacs/MW/Mth	1.3	1.4	-7%	1.8	1.5	20%
2.08	CTU Charges	Rs. Lacs/MW/Mth	3.0	4.5	-33%	4.0	4.3	-7%
2.09	Distribution Charges	Rs. Lacs/MW/Mth	7.9	6.8	16%	7.2	7.9	-9%
Network Cost (Rs. Cr)								
2.10	STU Cost	Rs Cr	162 (5%)	170 (6%)	-5%	1588 (6%)	1231 (5%)	29%
2.11	CTU Cost	Rs Cr	53 (2%)	93 (3%)	-44%	522 (2%)	672 (3%)	-22%
2.12	Distribution Network Cost	Rs Cr	899 (27%)	702 (25%)	28%	5720 (20%)	5762 (26%)	0%
2.13	O&M Cost	Rs Cr	620	482	28%	3714	3978	-7%
2.14	HR Cost	Rs Cr	546	414	32%	3145	3418	-8%
2.15	A&G Cost	Rs Cr	22	25	-11%	153	183	-16%
2.16	R & M Cost	Rs Cr	51	43	19%	416	378	10%
2.17	Depreciation	Rs Cr	110	107	3%	902	875	3%
2.18	ROCE	Rs Cr	121	74	64%	846	566	49%
2.19	Others	Rs Cr	48	39	24%	258	343	-25%
2.20	Network Cost	Rs Cr	1114 (33%)	966 (34%)	15%	7964 (28%)	7666 (34%)	4%
Retail Supply Cost (Rs. Cr)								
2.21	B&C Cost and Supply Margin	Rs Cr	14	14	5%	140	155	-9%
2.22	Interest on Security Deposits	Rs Cr	19	18	9%	145	134	8%
2.23	Retail Supply Cost	Rs Cr	33 (1%)	31 (1%)	7%	285 (1%)	289 (1%)	-1%
Cost of Service (Rs. Cr)								
2.24	Cost of Service	Rs Cr	3329	2866	16%	28270	22481	26%
7.2.2	ERC Disallowed Debt	Rs Cr	1229	2494	-51%	8200	4697	75%
KPIs on Purchase basis								
4.5.11	Energy Cost on Purchase Basis	Rs/kWh	4.02	4.00	1%	4.34	4.29	1%
2.25	STU Cost per Unit	Rs/kWh	0.30	0.36	-18%	0.34	0.36	-5%
2.26	CTU Cost per Unit	Rs/kWh	0.10	0.20	-51%	0.11	0.20	-43%
2.27	CTU Cost Per Unit on CGS purchases	Rs/kWh	0.63	0.81	-23%	0.64	0.95	-32%
2.28	Distribution Network Cost per Unit	Rs/kWh	1.66	1.50	10%	1.25	1.70	-27%
2.29	Network Cost per Unit	Rs/kWh	2.05	2.14	-4%	1.73	2.26	-24%
2.30	Retail Supply Cost per Unit	Rs/kWh	0.06	0.07	-8%	0.06	0.09	-28%
2.31	Cost of Service per Unit	Rs/kWh	6.14	6.13	0%	6.13	6.64	-8%
KPIs on Sales basis								
2.32	Energy Cost on Sales Basis	Rs/kWh	4.43	4.15	7%	4.89	4.08	20%

2.33	STU Cost per Unit	Rs/kWh	0.33	0.45	-27%		0.39	0.35	12%
2.34	CTU Cost per Unit	Rs/kWh	0.11	0.21	-48%		0.13	0.19	-32%
2.35	Distribution Network Cost per Unit	Rs/kWh	1.83	1.56	17%		1.40	1.62	-14%
2.36	Network Cost per Unit	Rs/kWh	2.26	2.14	6%		1.95	2.15	-10%
2.37	Retail Supply Cost per Unit	Rs/kWh	0.07	0.07	-2%		0.07	0.08	-14%
2.38	ACS	Rs/kWh	6.76	6.36	6%		6.91	6.31	10%
2.39	ERC Disallowed Debt per Unit	Rs/kWh	2.50	5.53	-55%		2.00	1.32	52%
AT&C Losses									
2.40	Collection η	%	99%	78%	27%		95%	77%	23%
2.41	Units Realized	MU	4081	3340	22%		37896	26964	41%
2.42	Units Unrealized	MU	250	1228	-80%		5162	10822	-52%
2.43	AT&C Losses	%	6%	27%	-79%		12%	29%	-58%
ARR-ACS Gap									
2.44	GAP	Rs/kWh	1.47	2.94	-50%		-0.54	-0.93	-42%

3. Sales by Categories

3.1 Energy Sales by Category (MU)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.1.1	LT-1A	307 (6%)	321 (7%)	-4%	2443 (6%)	2389 (7%)	2%
3.1.2	LT-1B	819 (17%)	752 (17%)	9%	6736 (16%)	6386 (18%)	5%
3.1.3	LT-1C	313 (6%)	322 (7%)	-3%	3536 (9%)	3327 (9%)	6%
3.1.4	LT-1	1439 (29%)	1395 (31%)	3%	12714 (31%)	12102 (34%)	5%
3.1.5	LT-2	269 (5%)	228 (5%)	18%	2027 (5%)	1620 (5%)	25%
3.1.6	LT-3	117 (2%)	110 (2%)	6%	1021 (2%)	853 (2%)	20%
3.1.7	LT-4	122 (2%)	109 (2%)	12%	937 (2%)	848 (2%)	10%
3.1.8	LT-5	949 (19%)	894 (20%)	6%	9350 (23%)	8830 (25%)	6%
3.1.9	LT-5 A (ii)	591 (12%)	600 (13%)	-2%	6615 (16%)	6599 (19%)	0%
3.1.10	LT-5 excluding A(ii)	358 (7%)	293 (7%)	22%	2734 (7%)	2231 (6%)	23%
3.1.11	LT	2895 (59%)	2735 (61%)	6%	26049 (64%)	24253 (68%)	7%
3.1.12	HT-1	5 (0%)	5 (0%)	-2%	46 (0%)	44 (0%)	4%
3.1.13	HT-2	139 (3%)	106 (2%)	31%	1014 (2%)	771 (2%)	32%
3.1.14	HT-3	1473 (30%)	1220 (27%)	21%	11245 (27%)	8038 (23%)	40%
3.1.15	HT-4	205 (4%)	130 (3%)	58%	1486 (4%)	889 (2%)	67%
3.1.16	HT-5	183 (4%)	251 (6%)	-27%	762 (2%)	1107 (3%)	-31%
3.1.17	Rescos	24 (0%)	59 (1%)	-60%	316 (1%)	537 (2%)	-41%
3.1.18	HT	2027 (41%)	1771 (39%)	14%	14870 (36%)	11387 (32%)	31%
3.1.19	Discom Sales	4923	4506	9%	40919	35639	15%

3.2 Energy Sales by Voltage Level (MU)

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.2.1	LT	2887	2735	6%	26021	24253	7%
3.2.2	11KV	448	431	4%	3643	3319	10%
3.2.3	33KV	568	465	22%	4252	3188	33%
3.2.4	EHT	1019	875	16%	7003	4879	44%
3.1.19	Discom Sales	4923	4506	9%	40919	35639	15%

3.3 Collection by Category (Rs Cr)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.3.1	LT-1A	170 (4%)	72 (2%)	135%	797 (3%)	651 (3%)	22%
3.3.2	LT-1B	459 (11%)	251 (6%)	83%	2520 (10%)	2082 (11%)	21%
3.3.3	LT-1C	208 (5%)	185 (4%)	12%	2146 (8%)	1908 (10%)	12%
3.3.4	LT-1	837 (21%)	508 (12%)	65%	5463 (21%)	4640 (24%)	18%
3.3.5	LT-2	302 (7%)	247 (6%)	22%	2220 (9%)	1777 (9%)	25%
3.3.6	LT-3	99 (2%)	88 (2%)	12%	853 (3%)	706 (4%)	21%
3.3.7	LT-4	1027 (25%)	71 (2%)	1340%	1415 (5%)	343 (2%)	312%
3.3.8	LT-5	326 (8%)	2171 (52%)	-85%	5640 (22%)	3964 (21%)	42%
3.3.9	LT-5 A (ii)	222 (5%)	1745 (42%)	-87%	4860 (19%)	2885 (15%)	68%
3.3.10	LT-5 excluding A(ii)	104 (3%)	426 (10%)	-76%	780 (3%)	1079 (6%)	-28%
3.3.11	LT	2591 (64%)	3086 (74%)	-16%	15591 (60%)	11431 (60%)	36%
3.3.12	HT-1	4 (0%)	4 (0%)	9%	37 (0%)	32 (0%)	16%
3.3.13	HT-2	169 (4%)	119 (3%)	42%	1154 (4%)	887 (5%)	30%
3.3.14	HT-3	1128 (28%)	858 (20%)	31%	8157 (31%)	5971 (31%)	37%
3.3.15	HT-4	154 (4%)	99 (2%)	54%	1045 (4%)	636 (3%)	64%
3.3.16	HT-5	6 (0%)	21 (1%)	-72%	61 (0%)	169 (1%)	-64%
3.3.17	Rescos	1 (0%)	4 (0%)	-76%	25 (0%)	35 (0%)	-28%
3.3.18	HT	1461 (36%)	1106 (26%)	32%	10479 (40%)	7730 (40%)	36%
3.3.19	Discom Collections	4052	4192	-3%	26070	19161	36%

3.4 Bills by Category (Nos)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.4.1	LT-1A	67,50,139(37%)	65,03,481(37%)	4%	71,99,967(39%)	74,14,906(41%)	-3%
3.4.2	LT-1B	64,59,262(36%)	61,68,341(35%)	5%	66,03,886(35%)	64,13,581(36%)	3%
3.4.3	LT-1C	11,22,745(6%)	13,03,053(7%)	-14%	16,27,177(9%)	28,23,593(16%)	-42%
3.4.4	LT-1	1,43,32,146(79%)	1,39,74,875(80%)	3%	1,47,57,591(79%)	1,43,68,690(80%)	3%
3.4.5	LT-2	15,39,706(9%)	14,38,345(8%)	7%	16,13,202(9%)	15,20,687(8%)	6%
3.4.6	LT-3	80,010(0%)	77,916(0%)	3%	95,814(1%)	93,051(1%)	3%
3.4.7	LT-4	3,37,025(2%)	3,24,605(2%)	4%	3,46,350(2%)	3,31,045(2%)	5%
3.4.8	LT-5	17,79,024(10%)	17,14,407(10%)	4%	18,20,622(10%)	17,48,685(10%)	4%
3.4.9	LT-5 A (ii)	16,92,130(9%)	16,35,425(9%)	3%	17,33,262(9%)	16,62,731(9%)	4%
3.4.10	LT-5 excluding A(ii)	86,894(0%)	78,982(0%)	10%	93,626(1%)	93,039(1%)	1%
3.4.11	LT	1,80,67,911(100%)	1,75,30,148(100%)	3%	1,86,32,400(100%)	1,80,51,138(100%)	3%
3.4.12	HT-1	110(0%)	104(0%)	6%	110(0%)	105(0%)	5%
3.4.13	HT-2	4,425(0.02%)	4,154(0.02%)	7%	4,425(0.02%)	4,157(0.02%)	6%
3.4.14	HT-3	6,278(0.03%)	5,816(0.03%)	8%	6,318(0.03%)	5,882(0.03%)	7%
3.4.15	HT-4	675(0%)	606(0%)	11%	675(0%)	611(0%)	10%
3.4.16	HT-5	714(0%)	843(0%)	-15%	714(0%)	950(0.01%)	-25%
3.4.17	Rescos	82(0%)	81(0%)	1%	82(0%)	81(0%)	1%
3.4.18	HT	12,284(0.07%)	11,604(0.07%)	6%	12,324(0.07%)	11,786(0.07%)	5%
3.4.19	Discom Bills	1,80,80,195	1,75,41,752	3%	1,86,44,724	1,80,62,924	3%

3.5 Average Revenue Realized by Category (Rs/kWh)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.5.1	LT-1A	5.53	2.25	145%	3.26	2.73	20%
3.5.2	LT-1B	5.60	3.34	68%	3.74	3.26	15%
3.5.3	LT-1C	6.65	5.74	16%	6.07	5.73	6%
3.5.4	LT-1	5.81	3.64	60%	4.30	3.83	12%
3.5.5	LT-2	11.23	10.82	4%	10.95	10.97	0%
3.5.6	LT-3	8.48	7.97	6%	8.36	8.28	1%
3.5.7	LT-4	84.28	6.57	1182%	15.10	4.05	273%
3.5.8	LT-5	3.43	24.30	-86%	6.03	4.49	34%
3.5.9	LT-5 A (ii)	3.76	29.07	-87%	7.35	4.37	68%
3.5.10	LT-5 excluding A(ii)	2.89	14.53	-80%	2.85	4.84	-41%
3.5.11	LT	8.95	11.28	-21%	5.99	4.71	27%
3.5.12	HT-1	8.19	7.36	11%	7.99	7.16	12%
3.5.13	HT-2	12.19	11.27	8%	11.38	11.50	-1%
3.5.14	HT-3	7.66	7.04	9%	7.25	7.43	-2%
3.5.15	HT-4	7.51	7.66	-2%	7.03	7.15	-2%
3.5.16	HT-5	0.33	0.85	-61%	0.80	1.53	-47%
3.5.17	Rescos	0.40	0.68	-41%	0.80	0.65	22%
3.5.18	HT	7.21	6.25	15%	7.05	6.79	4%
3.5.19	ARR	8.23	9.30	-12%	6.37	5.38	19%

3.6 Average Monthly Consumption by Category (kWh/Bill/Month)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.6.1	LT-1A	45	49	-8%	48	46	5%
3.6.2	LT-1B	127	122	4%	146	142	2%
3.6.3	LT-1C	279	247	13%	310	168	84%
3.6.4	LT-1	100	100	1%	123	120	2%
3.6.5	LT-2	175	159	10%	179	152	18%

3.6.6	LT-3	1457	1416	3%	1522	1309	16%
3.6.7	LT-4	362	334	8%	387	366	6%
3.6.8	LT-5	533	521	2%	734	721	2%
3.6.9	LT-5 A (ii)	349	367	-5%	545	567	-4%
3.6.10	LT-5 excluding A(ii)	4117	3713	11%	4172	3426	22%
3.6.11	LT	160	156	3%	200	192	4%
3.6.12	HT-1	46334	49968	-7%	59616	59934	-1%
3.6.13	HT-2	31310	25461	23%	32751	26501	24%
3.6.14	HT-3	234581	209705	12%	254262	195216	30%
3.6.15	HT-4	303176	214350	41%	314524	207949	51%
3.6.16	HT-5	255678	297941	-14%	152558	166479	-8%
3.6.17	Rescos	290000	731486	-60%	550936	947179	-42%
3.6.18	HT	165037	152612	8%	172372	138016	25%
3.6.19	AMC	272	257	6%	314	282	11%

3.7 Average Collection per Bill by Category (Rs/Bill/Month)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.7.1	LT-1A	251	111	126%	158	125	26%
3.7.2	LT-1B	711	407	75%	545	464	18%
3.7.3	LT-1C	1852	1419	31%	1884	965	95%
3.7.4	LT-1	584	364	61%	529	461	15%
3.7.5	LT-2	1960	1715	14%	1966	1669	18%
3.7.6	LT-3	12352	11277	10%	12722	10843	17%
3.7.7	LT-4	30481	2198	1287%	5837	1482	294%
3.7.8	LT-5	1832	12666	-86%	4425	3239	37%
3.7.9	LT-5 A (ii)	1315	10671	-88%	4006	2479	62%
3.7.10	LT-5 excluding A(ii)	11913	53967	-78%	11894	16572	-28%
3.7.11	LT	1434	1760	-19%	1195	905	32%
3.7.12	HT-1	379278	367701	3%	476101	429015	11%
3.7.13	HT-2	381801	287052	33%	372652	304885	22%
3.7.14	HT-3	1796192	1475906	22%	1844376	1450245	27%
3.7.15	HT-4	2275565	1641512	39%	2211463	1485985	49%
3.7.16	HT-5	84097	252897	-67%	122386	254374	-52%
3.7.17	Rescos	115854	497389	-77%	439746	619183	-29%
3.7.18	HT	1189616	953357	25%	1214727	936920	30%
3.7.19	ACPB	2241	2390	-6%	1998	1515	32%

4. Purchase by Categories

4.1 Energy Purchased by Source (MU)

#	Source	Month					YTD				
		CY	PY	% ↑	ERC	% δ ERC	CY	PY	% ↑	ERC	% δ ERC
4.1.1	State Thermal	1768 (33%)	1285 (27%)	38%	2441 (43%)	-28%	13768 (30%)	7459 (22%)	85%	20135 (45%)	-32%
4.1.2	State Hydel	387 (7%)	332 (7%)	17%	251 (4%)	54%	2704 (6%)	2077 (6%)	30%	2140 (5%)	26%
4.1.3	CGS	842 (16%)	1154 (25%)	-27%	1190 (21%)	-29%	8156 (18%)	7104 (21%)	15%	8733 (20%)	-7%
4.1.4	Gas	49 (1%)	156 (3%)	-68%	94 (2%)	-47%	880 (2%)	1476 (4%)	-40%	639 (1%)	38%
4.1.5	IPPs	123 (2%)	125 (3%)	-1%	137 (2%)	-10%	1166 (3%)	2694 (8%)	-57%	1057 (2%)	10%
4.1.6	VRE-Wind	968 (18%)	307 (7%)	216%	477 (9%)	103%	6851 (15%)	4350 (13%)	57%	5715 (13%)	20%
4.1.7	VRE-Solar	597 (11%)	457 (10%)	31%	510 (9%)	17%	4719 (10%)	3562 (11%)	32%	5157 (12%)	-8%
4.1.8	RE-Others	22 (0%)	31 (1%)	-27%	48 (1%)	-54%	152 (0%)	165 (0%)	-8%	246 (1%)	-38%
4.1.9	Markets	645 (12%)	848 (18%)	-24%	465 (8%)	39%	7576 (16%)	4961 (15%)	53%	764 (2%)	891%
4.1.10	Others	21 (0%)	-19 (0%)	-	0 (0%)	-	134 (0%)	3 (0%)	5181%	0 (0%)	-
4.1.11	Discom Purchases	5424	4674	16%	5613	-3%	46106	33850	36%	44586	3%

4.2 Power Purchase Cost by Source (Rs Cr)

#	Source	Month					YTD				
		CY	PY	% ↑	ERC	% δ ERC	CY	PY	% ↑	ERC	% δ ERC
4.2.1	State Thermal	871 (40%)	613 (33%)	42%	1170 (53%)	-26%	6700 (33%)	4222 (29%)	59%	9579 (56%)	-30%
4.2.2	State Hydel	51 (2%)	50 (3%)	2%	51 (2%)	0%	410 (2%)	351 (2%)	17%	410 (2%)	0%
4.2.3	CGS	351 (16%)	465 (25%)	-25%	476 (21%)	-26%	3132 (16%)	3008 (21%)	4%	3553 (21%)	-12%
4.2.4	Gas	16 (1%)	39 (2%)	-60%	22 (1%)	-31%	222 (1%)	405 (3%)	-45%	154 (1%)	44%
4.2.5	IPPs	49 (2%)	50 (3%)	-1%	55 (2%)	-10%	458 (2%)	1090 (8%)	-58%	433 (3%)	6%
4.2.6	VRE-Wind	344 (16%)	145 (8%)	138%	116 (5%)	197%	3011 (15%)	2050 (14%)	47%	1389 (8%)	117%
4.2.7	VRE-Solar	247 (11%)	207 (11%)	20%	129 (6%)	92%	2016 (10%)	1614 (11%)	25%	1293 (8%)	56%
4.2.8	RE-Others	10 (0%)	12 (1%)	-20%	25 (1%)	-61%	76 (0%)	78 (1%)	-3%	127 (1%)	-40%
4.2.9	Markets	248 (11%)	293 (16%)	-15%	172 (8%)	44%	3881 (19%)	1677 (12%)	131%	285 (2%)	1263%
4.2.10	Others	-5 (0%)	-5 (0%)	-8%	0 (0%)	-	116 (1%)	32 (0%)	267%	0 (0%)	-
4.2.11	Power Purchase Cost	2182	1869	17%	2216	-2%	20021	14527	38%	17221	16%

4.3 Fixed Cost by Source (Rs Cr)

#	Source	Month					YTD				
		CY	PY	% ↑	ERC	% δ ERC	CY	PY	% ↑	ERC	% δ ERC
4.3.1	State Thermal	272	197	38%	352	-23%	2116	1829	16%	2814	-25%
4.3.2	State Hydel	51	50	2%	51	0%	410	351	17%	410	0%
4.3.3	CGS	113	117	-3%	125	-10%	963	809	19%	1001	-4%
4.3.4	Gas	2	3	-37%	2	10%	14	26	-46%	13	6%
4.3.5	IPPs	22	21	7%	23	-4%	194	269	-28%	186	4%
4.3.6	Fixed Cost	461	387	19%	553	-17%	3697	3284	13%	4425	-16%

4.4 Variable Cost by Source (Rs Cr)

#	Source	Month					YTD				
		CY	PY	% ↑	ERC	% δ ERC	CY	PY	% ↑	ERC	% δ ERC
4.4.1	State Thermal	599	417	44%	818	-27%	4584	2393	92%	6765	-32%
4.4.2	CGS	237	348	-32%	350	-32%	2169	2199	-1%	2551	-15%
4.4.3	Gas	14	36	-62%	21	-34%	208	379	-45%	141	48%
4.4.4	IPPs	27	29	-7%	32	-15%	263	821	-68%	246	7%
4.4.5	VRE-Wind	344	145	138%	116	197%	3011	2050	47%	1389	117%
4.4.6	VRE-Solar	247	207	20%	129	92%	2016	1614	25%	1293	56%
4.4.7	RE-Others	9	12	-24%	25	-63%	75	78	-3%	127	-40%
4.4.8	Markets	248	293	-15%	172	44%	3881	1677	131%	285	1263%
4.4.9	Variable Cost	1726	1487	16%	1663	4%	16207	11212	45%	12796	27%

4.5 Average Energy Cost per Unit by Source (Rs/kWh)

#	Source	Month					YTD				
		CY	PY	% ↑	ERC	% δ ERC	CY	PY	% ↑	ERC	% δ ERC
4.5.1	State Thermal	4.92	4.77	3%	4.79	3%	4.87	5.66	-14%	4.76	2%
4.5.2	State Hydel	1.32	1.51	-12%	2.04	-35%	1.51	1.69	-10%	1.91	-21%
4.5.3	CGS	4.16	4.03	3%	4.00	4%	3.84	4.23	-9%	4.07	-6%
4.5.4	Gas	3.14	2.52	25%	2.38	32%	2.52	2.74	-8%	2.41	5%
4.5.5	IPPs	4.02	4.00	1%	4.03	0%	3.93	4.05	-3%	4.09	-4%
4.5.6	VRE-Wind	3.56	4.72	-24%	2.43	47%	4.40	4.71	-7%	2.43	81%
4.5.7	VRE-Solar	4.14	4.52	-8%	2.53	64%	4.27	4.53	-6%	2.51	70%
4.5.8	RE-Others	4.34	3.94	10%	5.14	-16%	5.00	4.73	6%	5.14	-3%
4.5.9	Markets	3.84	3.45	11%	3.70	4%	5.12	3.38	52%	3.73	37%
4.5.10	Others	-2.15	2.57	-183%	0.00	-	8.64	124.51	-93%	0.00	-
4.5.11	Weighted Average	4.02	4.00	1%	3.95	2%	4.34	4.29	1%	3.86	12%

4.6 Fixed Cost per Unit by Source (Rs/kWh)

#	Source	Month					YTD				
		CY	PY	% ↑	ERC	% δ ERC	CY	PY	% ↑	ERC	% δ ERC
4.6.1	State Thermal	1.54	1.53	1%	1.44	7%	1.54	2.45	-37%	1.40	10%
4.6.2	State Hydel	1.32	1.51	-12%	2.04	-35%	1.51	1.69	-10%	1.91	-21%
4.6.3	CGS	1.34	1.01	33%	1.05	28%	1.18	1.14	4%	1.15	3%
4.6.4	Gas	0.37	0.19	97%	0.18	109%	0.16	0.18	-10%	0.21	-23%
4.6.5	IPPs	1.82	1.67	9%	1.70	7%	1.67	1.00	67%	1.76	-6%
4.6.6	Average FC	0.84	0.82	3%	0.99	-15%	0.83	0.98	-16%	0.99	-17%

4.7 Variable Cost per Unit by Source (Rs/kWh)

#	Source	Month					YTD				
		CY	PY	% ↑	ERC	% δ ERC	CY	PY	% ↑	ERC	% δ ERC
4.7.1	State Thermal	3.39	3.24	4%	3.35	1%	3.33	3.21	4%	3.36	-1%
4.7.2	CGS	2.82	3.02	-7%	2.95	-4%	2.66	3.10	-14%	2.92	-9%
4.7.3	Gas	2.77	2.33	19%	2.20	26%	2.36	2.57	-8%	2.20	7%
4.7.4	IPPs	2.21	2.33	-5%	2.33	-5%	2.26	3.05	-26%	2.33	-3%
4.7.5	VRE-Wind	3.56	4.72	-24%	2.43	47%	4.40	4.71	-7%	2.43	81%
4.7.6	VRE-Solar	4.14	4.52	-8%	2.53	64%	4.27	4.53	-6%	2.51	70%
4.7.7	RE-Others	4.34	3.94	10%	5.14	-16%	5.00	4.73	6%	5.14	-3%
4.7.8	Markets	3.84	3.45	11%	3.70	4%	5.12	3.38	52%	3.73	37%
4.7.9	Average VC	3.18	3.18	0%	2.96	7%	3.52	3.31	6%	2.87	22%

4.8 Power Purchase Cost by Voltage Level on Sales basis (Rs Cr)

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.8.1	LT	1280	1134	13%	12732	9886	29%
4.8.2	11KV	199	179	11%	1783	1353	32%
4.8.3	33KV	252	193	31%	2081	1300	60%
4.8.4	EHT	452	363	24%	3426	1989	72%
4.2.11	Power Purchase Cost	2182	1869	17%	20021	14527	38%

4.9 Network Cost by Voltage Level on Sales basis (Rs Cr)

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.9.1	LT	653	586	11%	5064	5217	-3%
4.9.2	11KV	101	92	10%	709	714	-1%
4.9.3	33KV	129	100	29%	828	686	21%
4.9.4	EHT	231	187	23%	1363	1049	30%
2.20	Network Cost	1114	966	15%	7964	7666	4%

4.10 Retail Supply Cost by Voltage Level on Sales basis (Rs Cr)

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.10.1	LT	20	19	4%	181	197	-8%
4.10.2	11KV	3	3	2%	25	27	-6%
4.10.3	33KV	4	3	20%	30	26	15%
4.10.4	EHT	7	6	14%	49	40	23%
2.23	Retail Supply Cost	33	31	7%	285	289	-1%

4.11 Cost of Service by Voltage Level on Sales basis (Rs Cr)

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.11.1	LT	1953	1740	12%	17977	15299	18%
4.11.2	11KV	303	274	11%	2517	2093	20%
4.11.3	33KV	384	296	30%	2938	2011	46%
4.11.4	EHT	689	556	24%	4838	3078	57%
2.24	Cost of Service	3329	2866	16%	28270	22481	26%

4.12 Losses by Voltage (MU)

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.12.1	LT	16	85	1%	809	750	1%
4.12.2	11KV	87	88	10%	1019	890	10%
4.12.3	33KV	158	116	36%	1401	1115	36%
4.12.4	EHT	132	123	-8%	1262	1457	-8%
4.12.5	Loss	393	412	9%	4491	4213	9%

4.13 Cost of Service by Voltage Level on Purchase Basis (Rs Cr)

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.13.1	LT	1988	1784	11%	18451	15620	18%
4.13.2	11KV	307	272	13%	2505	2073	21%
4.13.3	33KV	379	287	32%	2830	1931	47%
4.13.4	EHT	654	523	25%	4484	2857	57%
2.24	Cost of Service	3329	2866	16%	28270	22481	26%

4.14 Average Cost of Service by Voltage Level (Rs Cr)

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.14.1	LT	6.9	6.5	6%	7.1	6.4	10%
4.14.2	11KV	6.8	6.3	8%	6.9	6.2	10%
4.14.3	33KV	6.7	6.2	8%	6.7	6.1	10%
4.14.4	EHT	6.4	6.0	7%	6.4	5.9	9%
2.37	ACS	6.8	6.4	6%	6.9	6.3	10%

5. Receivables

5.1 Income Estimates (Rs Cr)

#	Item	Q1	Q2	Q3	Q4	FY22
5.1.1	Subsidy	2267	2268	2250	2234	9019
5.1.2	Agriculture Subsidy	1824	1824	1824	1824	7297
5.1.3	Aquaculture Subsidy	256	231	213	212	912
5.1.4	SC Colonies Subsidy	125	146	145	133	549
5.1.5	ST Thandas Subsidy	25	30	30	26	112
5.1.6	Other Subsidy	36	37	38	39	149
5.1.7	Govt Agencies	1139	1397	1498	1121	5155
5.1.8	Panchayats	328	370	381	323	1402
5.1.9	WR Dept	334	455	546	304	1639
5.1.10	ULB	139	171	169	125	603
5.1.11	Other Govt Dept	338	402	402	369	1511
5.1.12	Govt serviced debt	361	541	264	15	1181
5.1.13	UDAY Receivables	0	32	0	0	32
5.1.14	Private Customers Receivables	6758	7027	6680	6253	26719
5.1.15	Total	10525	11265	10692	9623	42105
5.1.16	Opex Loans	4819	1246	969	0	7035
5.1.17	Capex Loans	170	69	60	0	299

5.2 Receivables during Month (Rs Cr)

#	Item	ERC-BE	DEMAND	COLLECTIONS		BALANCE	% ↑	% δ ERC
				CY	PY			
5.2.1	Subsidy	736	744	443	2071	301	-79%	-40%
5.2.2	Agriculture Subsidy	608	608	218	1739	390	-87%	-64%
5.2.3	Aquaculture Subsidy	77	84	12	332	72	-97%	-85%
5.2.4	SC Colonies Subsidy	42	42	213	0	-171	-	412%
5.2.5	ST Thandas Subsidy	8	9	0	0	9	-	-100%
5.2.6	Other Subsidy	1	1	0	0	1	-	-100%
5.2.7	Govt Agencies	365	560	1227	197	-667	522%	236%
5.2.8	Panchayats	103	130	972	9	-842	10654%	846%
5.2.9	WR Dept	97	201	3	2	198	88%	-97%
5.2.10	ULB	41	71	112	72	-41	55%	171%
5.2.11	Other Govt Dept	124	158	140	114	18	22%	13%
5.2.12	Govt serviced debt	0	121	337	60	-216	460%	-
5.2.13	UDAY Receivables	0	0	0	0	0	-	-
5.2.14	Private Customers Receivables	2245	2211	2382	1923	-172	24%	6%
5.2.15	Total	3346	3635	4390	4251	-754	3%	31%
5.2.16	Opex Loans	0	0	1322	0	-1322	-	-
5.2.17	Capex Loans	0	0	0	0	0	-	-

5.3 Receivables YTD (Rs Cr)

#	Item	OB	ERC-BE	DEMAND	COLLECTIONS		CB	OD > 180 DAYS	% ↑	% δ ERC
					CY	PY				
5.3.1	Subsidy	14034	5888	5946	5122	3178	14859	6079	61%	-13%
5.3.2	Agriculture Subsidy	12127	4865	4865	4825	2846	12166	4787	70%	-1%
5.3.3	Aquaculture Subsidy	1176	617	651	84	332	1743	763	-75%	-86%
5.3.4	SC Colonies Subsidy	552	333	353	213	0	692	379	-	-36%
5.3.5	ST Thandas Subsidy	167	62	73	0	0	240	139	-	-100%
5.3.6	Other Subsidy	12	10	5	0	0	17	11	-	-100%
5.3.7	Govt Agencies	8109	2919	3305	2345	1074	9069	6452	118%	-20%
5.3.8	Panchayats	3710	822	923	1188	140	3446	3056	748%	45%
5.3.9	WR Dept	3728	777	1073	36	36	4766	2868	1%	-95%

5.3.10	ULB	441	330	414	273	212	582	336	29%	-17%
5.3.11	Other Govt Dept	229	991	894	848	686	275	192	24%	-14%
5.3.12	Govt serviced debt	220	0	1222	875	388	567	0	126%	-
5.3.13	UDAY Receivables	3475	0	32	0	0	3507	3444	-	-
5.3.14	Private Customers Receivables	3059	17883	18786	18605	14909	3240	2612	25%	4%
5.3.15	Total	28897	26690	29291	26946	19549	31242	18586	38%	1%
5.3.16	Opex Loans	0	0	7035	7887	2091	-852	0	277%	-
5.3.17	Capex Loans	0	0	299	250	238	49	0	5%	-

6. Payables

6.1 Expenditure for FY22 (Rs Cr)

#	Item	Q1	Q2	Q3	Q4	FY22
6.1.1	PP Cost	9101	7524	6800	6849	30274
6.1.2	State Thermal	2765	2519	3078	3938	12301
6.1.3	State Hydel	221	154	154	154	682
6.1.4	CGS	1406	1183	1430	1427	5445
6.1.5	IPPs Gas	131	84	62	67	344
6.1.6	IPPs Thermal	217	173	162	166	717
6.1.7	VRE- Wind	1130	1403	577	330	3440
6.1.8	VRE- Solar	1208	726	393	529	2855
6.1.9	RE-Others	38	26	59	88	210
6.1.10	Market	1936	1217	867	150	4170
6.1.11	Other	50	41	19	0	110
6.1.12	Wind @ interim rate	399	602	467	330	1798
6.1.13	Solar @ interim rate	325	280	402	529	1536
6.1.14	CTU Cost	175	242	297	374	1087
6.1.15	STU Cost	614	602	580	600	2396
6.1.16	Distribution Cost	1901	1661	2193	1872	7627
6.1.17	O&M Cost	1368	1263	1668	1444	5743
6.1.18	HR Cost	1127	1099	1435	1189	4850
6.1.19	A&G Cost	79	69	81	94	323
6.1.20	R&M Cost	162	95	151	161	569
6.1.21	Depreciation	343	339	359	354	1395
6.1.22	ROCE	304	324	359	390	1377
6.1.23	Others	189	59	167	75	489
6.1.24	Cost of Service	11790	10029	9870	9696	41384
7.1.1	Capex Debt service (P+I)	392	378	447	402	1618
7.1.2	Opex Debt service (P+I)	3267	3290	1930	1522	10010

6.2 Payables during the Month (Rs Cr)

#	Item	ERC-BE	EXPENDITURE	PAID		BALANCE	% ↑	% δ ERC
				CY	PY			
6.2.1	PP Cost	2200	2188	3024	1955	-836	55%	37%
6.2.2	State Thermal	1202	870	1799	424	-929	324%	50%
6.2.3	State Hydel	51	52	51	51	1	0%	-1%
6.2.4	CGS	476	501	630	1009	-129	-38%	32%
6.2.5	IPPs Gas	23	16	26	87	-10	-70%	14%
6.2.6	IPPs Thermal	55	50	69	72	-19	-4%	26%
6.2.7	VRE- Wind	116	345	183	16	162	1044%	58%
6.2.8	VRE- Solar	128	97	32	17	65	88%	-75%
6.2.9	RE-Others	21	10	10	0	0	-	-53%
6.2.10	Market	127	247	224	279	23	-20%	76%
6.2.11	Other	0	0	0	0	0	-	0%
6.2.12	Wind @ interim rate	116	235	183	16	52	1044%	58%
6.2.13	Solar @ interim rate	128	55	32	17	23	88%	-75%
6.2.14	CTU Cost	108	47	94	3	-47	3033%	-13%
6.2.15	STU Cost	182	162	204	114	-42	79%	12%
6.2.16	Distribution Cost	763	932	701	534	231	31%	-8%
6.2.17	O&M Cost	495	619	619	482	0	28%	25%
6.2.18	HR Cost	407	546	546	414	0	32%	34%
6.2.19	A&G Cost	28	22	22	25	0	-11%	-23%
6.2.20	R&M Cost	60	51	51	43	0	19%	-15%
6.2.21	Depreciation	109	110	0	0	110	-	-100%
6.2.22	ROCE	130	121	0	0	121	-	-100%

6.2.23	Others	28	82	82	52	0	58%	190%
6.2.24	Cost of Service	3253	3329	4023	2606	-694	54%	24%
7.2.1	Capex Debt service (P+I)	143	117	117	109	0	8%	-18%
7.2.2	Opex Debt service (P+I)	0	366	1229	2494	-863	-51%	0%

6.3 Payables YTD (Rs Cr)

#	Item	OB	ERC-BE	EXPENDITURE	PAID		CB	OD > 180 DAYS	% ↑	% δ ERC
					CY	PY				
6.3.1	PP Cost	13327	17195	20027	22771	18233	10584	5246	25%	32%
6.3.2	State Thermal	4748	9637	6699	9966	5933	1482	2694	68%	3%
6.3.3	State Hydel	130	410	410	440	437	100	130	1%	7%
6.3.4	CGS	2137	3555	3282	5568	6942	-148	73	-20%	57%
6.3.5	IPPs Gas	93	155	222	263	536	52	47	-51%	70%
6.3.6	IPPs Thermal	661	432	458	551	1352	569	379	-59%	27%
6.3.7	VRE- Wind	3847	1389	3011	1008	448	5850	1433	125%	-27%
6.3.8	VRE- Solar	1640	1293	1866	292	179	3214	490	63%	-77%
6.3.9	RE-Others	99	123	76	175	118	0	0	48%	43%
6.3.10	Market	-29	201	3880	3341	1992	511	0	68%	1560%
6.3.11	Other	0	0	121	1167	295	-1046	0	296%	-
6.3.12	Wind @ interim rate	251	1389	1429	946	448	735	549	111%	-32%
6.3.13	Solar @ interim rate	108	1293	971	298	179	782	222	66%	-77%
6.3.14	CTU Cost	127	970	516	750	566	-106	0	33%	-23%
6.3.15	STU Cost	1642	1605	1588	1342	821	1888	321	63%	-16%
6.3.16	Distribution Cost	0	6218	6134	4343	4135	1791	0	5%	-30%
6.3.17	O&M Cost	0	3882	3853	3853	3745	0	0	3%	-1%
6.3.18	HR Cost	0	3158	3274	3274	3156	0	0	4%	4%
6.3.19	A&G Cost	0	230	185	185	209	0	0	-12%	-20%
6.3.20	R&M Cost	0	493	394	394	380	0	0	4%	-20%
6.3.21	Depreciation	0	887	888	0	0	888	0	-	-100%
6.3.22	ROCE	0	1062	903	0	0	903	0	-	-100%
6.3.23	Others	0	387	491	490	390	0	0	26%	27%
6.3.24	Cost of Service	15096	25987	28265	29205	23756	14156	5567	23%	12%
7.3.1	Capex Debt service (P+I)	0	1156	967	967	354	0	0	174%	-16%
7.3.2	Opex Debt service (P+I)	1000	0	7158	8200	4697	-42	0	75%	-

7. Debt Servicing

7.1 Debt Servicing Schedule (Rs Cr)

#	Item	Q1	Q2	Q3	Q4	FY22
7.1.1	ERC allowed-Capex Debt	392	378	447	402	1618
7.1.2	ERC disallowable-Opex Debt	3267	3290	1930	1522	10010
7.1.3	Debt Servicing	3659	3668	2377	1924	11628

7.2 Debt Servicing during the month (Rs Cr)

#	Item	ERC-BE	DUE	PAID		Over Due	% ↑	% δ ERC
				CY	PY			
7.2.1	ERC allowed-Capex Debt	143	117	117	109	0	8%	-18%
7.2.2	ERC disallowable-Opex Debt	0	366	1229	2494	-863	-51%	0%
7.2.3	Debt Servicing	143	483	1346	2602	-863	-48%	839%

7.3 Debt Servicing YTD (Rs Cr)

#	Item	OB – OD	ERC-BE	DUE	PAID		CB – OD	OD > 180 DAYS	% ↑	% δ ERC
					CY	PY				
7.3.1	ERC allowed-Capex Debt	0	1156	967	967	354	0	0	174%	-16%
7.3.2	ERC disallowable-Opex Debt	1000	0	7158	8200	4697	-42	0	75%	0%
7.3.3	Debt Servicing	1000	1156	8125	9167	5051	-42	0	81%	693%

7.4 Debt Outstanding (Rs Cr)

#	Item	CAPEX			OPEX			Total		
		CB CY	CB PY	% ↑	CB CY	CB PY	% ↑	CB CY	CB PY	% ↑
7.4.1	REC	5082	5092	0%	5831	3903	49%	10913	8995	21%
7.4.2	PFC	476	480	-1%	5254	4665	13%	5731	5144	11%
7.4.3	APPFCL	0	0	-	11737	9295	26%	11737	9295	26%
7.4.4	BANKS	1583	1720	-8%	852	1218	-30%	2435	2938	-17%
7.4.5	IREDA	0	0	-	874	1388	-37%	874	1388	-37%
7.4.6	ICD	0	0	-	649	663	-2%	649	663	-2%
7.4.7	PTC	0	0	-	124	164	-24%	124	164	-24%
7.4.8	GOAP	9	0	-	0	0	-	9	0	-
7.4.9	OTHERS	690	690	0%	4215	5631	-25%	4905	6321	-22%
7.4.10	Debt Outstanding	7840	7981	-2%	29536	26926	10%	37376	34907	7%

Abbreviations and Acronyms

General	
#	Serial Number
%↑(YoY Growth)	$\frac{(\text{Value of given Category in Current Year} - \text{Value in Last Year for given Category}) * 100}{\text{Value in Last Year for given Category}}$
Apr-April, May-May, Jun-June, Jul-July, Aug-August, Sep-September, Oct- October, Nov- November, Dec- December, Jan- January, Feb-February, Mar- March	
FY	Financial Year Ending with March
Mth	Month
YTD	Year to Date
MU	Million Units (10 ⁶ Units)
Rs Cr	Rupees Crore
KPIs	Key Performance Indicators
KWh	Kilo Watt Hour (1 Unit)
KV	Kilo Volts (10 ³ V)
%δ ERC (Deviation)	$\frac{(\text{Actual Value of given Category in Current Year} - \text{Approved value by APERC for given Category}) * 100}{\text{Approved value by APERC for given Category}}$
Distribution Licensees	Central Power Distribution Corporation of Andhra Pradesh Limited (APCPDCL) Eastern Power Distribution Corporation of Andhra Pradesh Limited (APEPDCL) Southern Power Distribution Corporation of Andhra Pradesh Limited (APSPDCL)
Discoms	Distribution Companies
STU	State Transmission Utility
CTU	Central Transmission Utility
MW	Mega Watt (10 ⁶ Watt)
APERC	Andhra Pradesh Electricity Regulatory Commission
Rs Lacs	Rupees Lacs
APPCC	Andhra Pradesh Power Coordination Committee
APSLDC	State load Dispatch Centre of Andhra Pradesh
Q1- Quarter-1 (Apr-Jun), Q2- Quarter-2 (Jul-Sep), Q3- Quarter-3 (Oct-Dec), Q4- Quarter-4 (Jan-Mar)	
OD	Over Due
OB	Opening Balance
CB	Closing Balance
BE	Budget Estimate
PY	Past Year
CY	Current Year
Tariff Categories	
LT-1A	LT Domestic Consumers with consumption < 75units in the month
LT-1B	LT Domestic Consumers with consumption > 75 units and <225 units in the month
LT-1C	LT Domestic Consumers with consumption > 225units in the month
LT-1	Domestic (LT)
LT-2	Commercial (LT)
LT-3	Industrial (LT)
LT-4	Institutional (LT)
LT-5	Agriculture (LT)
LT-5 A(ii)	Sales incurred for Free Agriculture
HT	High Tension
HT-1	Domestic (HT)
HT-2	Commercial (HT)
HT-3	Industrial (HT)
HT-4	Institutional (HT)
HT-5	Agriculture (HT)
Rescos	Rural Electric Supply Cooperative Societies
Purchases and Payables	
State Thermal	State Owned Thermal Plants
State Hydel	State owned Hydro Plants
CGS	Central Generating Stations (Central owned Thermal)
Gas	Power plants run on Gas as Fuel (Govt+ Private)

IPPs	Independent Power Producers (Private Thermal- Coal)
VRE	Variable Renewable Energy
RE-Others	RE other than Wind and Solar
Markets	Power Procured from Exchanges and Open Markets
Others	Power procured from any other means other than markets
FC	Fixed Cost
VC	Variable Cost
Wind @ interim rate	Power Purchase Cost of Wind at Interim Rate
Solar @ interim rate	Power Purchase Cost of Solar at Interim Rate
CTU Cost	B=Expenditure for using Central Transmission Network for Transmission of Power
STU Cost	A=Expenditure for using State Transmission Network for Transmission of Power
Distribution Cost	C=Expenditure incurred to Discoms for wheeling of Energy through its Network (D+H+I+J)
O&M Cost	D=Operation and Maintenance Cost (E+F+G)
HR Cost	E=Human Resource Cost
A&G Cost	F=Admin and General Cost
R&M Cost	G=Repairs and Maintenance
Depreciation	H=the value of a fixed asset minus all of the accumulated depreciation that has been recorded against it
ROCE	I=Return on Capital Employed
Others	J=Expenditure for Discoms other than O&M, Depreciation and ROCE
Cost of Service	Power Purchase Cost + CTU Cost + STU Cost+ Distribution Cost
Capex Debt service (P+I)	Expenditure incurred for Capex Debt (Principal + Interest)
Opex Debt service (P+I)	Expenditure incurred for Opex Debt (Principal +Interest)
Receivables Categories	
Subsidy	Receivable from Government Collected for Subsidy Sales
Agriculture Subsidy	Subsidy given for Agriculture Consumption
Aquaculture Subsidy	Subsidy given for Aquaculture Consumption
SC Colonies Subsidy	Subsidy given for SC Colonies Consumption
ST Thandas Subsidy	Subsidy given for ST Colonies Consumption
Other Subsidy	Subsidy given for any other Consumption
Govt Agencies	Receivable from Government Utilities
Panchayats	Receivable from Panchayats
WR Dept	Water Resources Department
ULB	Urban Local Bodies
Other Govt Dept	Receivables from other Gov Agencies
Govt serviced debt	Debt in books of the Discoms but servicing is being met by releases from govt due to commitments in UDAY or APPFCL Loans
UDAY Receivables	Ujjwal DISCOM Assurance Yojana-Financial turnaround and revival package for electricity distribution companies of India initiated by the Government of India
Private Customers Receivables	Receivables Collected from Sales Consumed by Private users
Total	Total receivables
Opex Loans	Receivables as part of Opex Loans
Capex Loans	Receivables as part of Capex Loans
REC	Loans taken from Rural Electrification Corporation Limited
PFC	Loans taken from Power Finance Corporation Ltd.
APPFCL	Loans taken from Andhra Pradesh Power Finance Corporation Limited
BANKS	Loans taken from banks
IREDA	Loans taken from Indian Renewable Energy Development Agency Limited
ICD	Loans taken from Interest on Consumer Deposit
PTC	Loans taken from Power Trading Corporation of India Limited
GOAP	Loans taken from Government of Andhra Pradesh
OTHERS	Loans taken from any other sources

Glossary

1. Sales

Energy (MU)		
1.01	Metered Sales	Discom Sales-Agricultural Consumption (Unmetered)
3.1.9	Agl Consumption	Refer 3.1.9
3.1.19	Discom Sales	D =Refer 3.1.19
1.02	Private Sales	Sales against Pvt connections
1.03	Government Sales	Sales against Govt connections
1.04	Government Subsidy	Sales against Subsidy connections
Collection (Rs Cr)		
1.05	Opening Debtors	G = Opening debtors for sale of Energy as shown in Receivable Schedule (Without deducting provisions for doubtful debtors). Unbilled Revenue shall not be considered as Debtors
5.2.14	Pvt Sales	Refer 5.2.14
5.2.7	Gov Sales	Refer 5.2.7
5.2.1	Gov Subsidy	Refer 5.2.1
1.06	Others	Collections from any other category provided above
3.3.19	Discom Collections	Refer 3.3.19
1.07	Metered Sales	Collections from Metered Sales
3.3.10	Agl Consumption	Collection Received against LT-V A(ii)
1.08	Revenue from Sale	E = Revenue from Sale of Energy to all categories of consumers (including Subsidy Booked) but excluding Revenue from Energy Traded /Inter-State Sales.
1.09	Adj Revenue from Sale	F = Revenue from Sale of Energy (same as E above) minus Subsidy Booked plus Subsidy Received against subsidy booked during the year
1.10	Closing Debtors	H = i) Closing debtors for Sale of Energy as shown in Receivable Schedule (Without deducting provisions for doubtful debts). Unbilled Revenue shall not be considered as Debtors ii) Any amount written off during the year directly from(i)
1.11	Adj Closing Debtors	I =H(i+ii)
Key Performance Indicators		
3.5.19	ARR	Refer 3.5.19
3.6.19	AMC	Refer 3.6.19
3.7.19	ACPB	Refer 3.7.19

Note:

- Energy related data (MU) is assumed on Consumption basis provided by Distribution licensees of Andhra Pradesh
- Collection related data (Rs Cr) is assumed on Billing basis provided by Distribution licensees of Andhra Pradesh
- Bills (Nos) is assumed on Consumption basis provided by Distribution licensees of Andhra Pradesh
- Billing Cycle: CPDCL - 1-15 of Every Month; EPDCL - 4-21 of Every Month; SPDCL - 1-12 of Every Month

2. Purchases

Power Purchase		
3.1.19	Discom Sales	D =Refer 3.1.19
2.01	Discom Losses	Losses incurred at Voltage<=33KV
2.02	Discom Input	C =Input at Discom Periphery
2.03	Transmission Loss	B = Losses incurred at Voltage>33KV
4.1.11	Discom Purchases	A =Refer 4.1.11
4.2.11	Power Purchase Cost	Refer 4.2.11
Contracted Network Capacity (MW)		
2.04	STU	Contracted Capacity of State Transmission Utility
2.05	CTU	Contracted Capacity of Contracted Transmission Utility
2.06	Distribution	Contracted Capacity of Distribution Network
Capacity Charges		
2.07	STU Charges	$\frac{\text{STU Cost (Rs Cr)} \times 100}{\text{Total STU Capacity Contracted by Discoms (MW)}} \text{ (Rs Lacs/MW/Month)}$
2.08	CTU Charges	$\frac{\text{CTU Cost (Rs Cr)} \times 100}{\text{Total CTU Capacity Contracted by Discoms (MW)}} \text{ (Rs Lacs/MW/Month)}$

2.09	Distribution Charges	$\frac{\text{Distribution Network Cost (Rs Cr)*100}}{\text{Total Distribution Capacity Contracted by Discoms (MW)}} \text{ (Rs Lacs/MW/Month)}$
Network Cost (Rs Cr)		
2.10	STU Cost	a =Expenditure for using State Transmission Network for Transmission of Power
2.11	CTU Cost	b =Expenditure for using Central Transmission Network for Transmission of Power
2.12	Distribution Network Cost	c =Expenditure incurred to Discoms for wheeling of Energy through its Network (d+h+i+j)
2.13	O&M Cost	d =Operation and Maintenance Cost (e+f+g)
2.14	HR Cost	e =Human Resource Cost
2.15	A&G Cost	f =Admin and General Cost
2.16	R & M Cost	g =Repairs and Maintenance
2.17	Depreciation	h =the value of a fixed asset minus all of the accumulated depreciation that has been recorded against it
2.18	ROCE	i =Return on Capital Employed
2.19	Others	j =Any other Cost
2.20	Network Cost	CTU Cost + STU Cost + Distribution Cost
Retail Supply Cost (Rs Cr)		
2.21	B&C Cost and Supply Margin	k =Billing and Collection Cost and Supply Gain Margin
2.22	Interest on Security Deposits	l =interest on security deposit collected from the consumers
2.23	Retail Supply Cost	k+l
Cost of Service (Rs Cr)		
2.24	Cost of Service	Power Purchase Cost + Network Cost +Retail Supply Cost
7.2.2	ERC Disallowed Debt Service	Refer 7.2.2
KPIs on Purchase basis		
4.5.11	Energy Cost on Purchase Basis	Refer 4.5.11
2.25	STU Cost per Unit	$\frac{\text{STU Cost(Rs Cr)*10}}{\text{Discom Purchase(MU)}} \text{ (Rs /kWh)}$
2.26	CTU Cost per Unit	$\frac{\text{CTU Cost(Rs Cr)*10}}{\text{Discom Purchase(MU)}} \text{ (Rs /kWh)}$
2.27	CTU Cost Per Unit on CGS purchases	$\frac{\text{CTU Cost(Rs Cr)*10}}{\text{CGS Purchases by Discom(MU)}} \text{ (Rs /kWh)}$
2.28	Distribution Network Cost per Unit	$\frac{\text{Distribution Network Cost(Rs Cr)*10}}{\text{Discom Purchase(MU)}} \text{ (Rs /kWh)}$
2.29	Network Cost per Unit	$\frac{\text{Total Network Cost(Rs Cr)*10}}{\text{Discom Purchase(MU)}} \text{ (Rs /kWh)}$
2.30	Retail Supply Cost per Unit	$\frac{\text{Total Supply Cost(Rs Cr)*10}}{\text{Discom Purchase(MU)}} \text{ (Rs /kWh)}$
2.31	Cost of Service per Unit	$\frac{\text{Cost of Service(Rs Cr)*10}}{\text{Discom Purchase(MU)}} \text{ (Rs /kWh)}$
KPIs on Sales basis		
2.32	Energy Cost on Sales Basis	$\frac{\text{Power Purchase Cost(Rs Cr)*10}}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
2.33	STU Cost per Unit	$\frac{\text{STU Cost(Rs Cr)*10}}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
2.34	CTU Cost per Unit	$\frac{\text{CTU Cost(Rs Cr)*10}}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
2.35	Distribution Network Cost per Unit	$\frac{\text{Distribution Network Cost(Rs Cr)*10}}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
2.36	Network Cost per Unit	$\frac{\text{Total Network Cost(Rs Cr)*10}}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
2.37	Retail Supply Cost per Unit	$\frac{\text{Total Supply Cost(Rs Cr)*10}}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
2.38	ACS	$\frac{\text{Cost of Service(Rs. Cr)*10}}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
2.39	ERC Disallowed Debt Service per Unit	$\frac{\text{ERC Disallowed Debt Service(Rs. Cr)*10}}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
AT&C Losses		
2.40	Collection η	$J=(F+G-I)/E*100$
2.41	Units Realized	$K=D*J/100$
2.42	Units Unrealized	$L=C-K$
2.43	AT&C Losses	$M=\text{Aggregate Technical and Commercial Loss} =L/(\text{Discom Input}) *100$
ACS-ARR GAP		
2.44	GAP	=ARR- ACS

Note:

1. Energy Purchased (MU) & Power Purchase Cost (Rs Cr) is obtained from APPCC.

3. Sales by Categories

3.1 Energy Sales by Category (MU) – Consumption Recorded during the Month segregated by Consumer Category

3.2 Energy Sales by Voltage (MU) – Consumption Recorded during the Month segregated by Voltage

3.3 Collection by Category (Rs Cr) – Collection Received during the Month segregated by Consumer Category

3.4 Bills by Category (Rs Cr)- Bills Generated during the Month segregated by Consumer Category

3.5 Average Revenue Realized by Category (Rs/kWh) = $\frac{\text{Consumption During in the Month(Rs.Cr)*10}}{\text{Revenue Collected in the Month (MU)}}$

3.6 Average Monthly Consumption by Category (kWh/bill/Mth) = $\frac{\text{Consumption During in the Month(Rs.Cr)*10^6}}{\text{Bills generated in the Month (MU)}}$

3.7 Average Collection per bill by Category (Rs/bill/Mth) = $\frac{\text{Revenue Collected in the Month (MU)*10^7}}{\text{Total Number of bills Generated in a Month (Nos)}}$

4. Expenditure by Category

4.1 Energy Purchased by Source (MU) – Energy Purchased during the Month segregated by Source

4.2 Power Purchase Cost by Source (Rs Cr) – Expenditure Incurred for Energy Purchase during the month segregated by Source

4.3 Fixed Cost by Source (Rs Cr)- Expenditure Incurred towards Fixed Cost in Energy Purchase during the month segregated by Source

4.4 Variable Cost by Source (Rs Cr) - Expenditure Incurred towards Variable Cost in Energy Purchase during the month segregated by Source

4.5 Average Energy Cost per Unit by Source (Rs/kWh) = $\frac{\text{Power Purchase Cost during the month (Rs. Cr)*10}}{\text{Energy Purchased during the Month(MU)}}$

4.6 Fixed Cost per Unit by Source (Rs/kWh) = $\frac{\text{Fixed Cost during the month (Rs. Cr)*10}}{\text{Energy Purchased during the month(MU)}}$

4.7 Variable Cost per Unit by Source (Rs/kWh) = $\frac{\text{Variable Cost during the month (Rs. Cr)*10}}{\text{Energy Purchased during the month(MU)}}$

4.8 Power Purchase Cost by Voltage Level on Sales basis (Rs Cr) = $\frac{\text{Power Purchase Cost(Rs. Cr)*Discom Sales at Specified Voltage(MU)}}{\text{Discom Sales(MU)}}$

4.9 Network Cost by Voltage Level on Sales basis (Rs Cr) = $\frac{\text{Network Cost(Rs. Cr)*Discom Sales at Specified Voltage(MU)}}{\text{Discom Sales(MU)}}$

4.10 Retail Supply Cost by Voltage Level on Sales basis (Rs Cr) = $\frac{\text{Retail Supply Cost(Rs. Cr)*Discom Sales at Specified Voltage(MU)}}{\text{Discom Sales(MU)}}$

4.11 Cost of Service by Voltage Level on Sales basis (Rs Cr) = $\frac{\text{Cost of Service(Rs. Cr)*Discom Sales at Specified Voltage(MU)}}{\text{Discom Sales(MU)}}$

4.12 Cost of Service by Voltage Level (Rs Cr) = $\frac{\text{Cost of Service(Rs. Cr)*Energy Purchased against sales against specified Voltage (MU)}}{\text{Energy Purchased(MU)}}$

4.13 Average Cost of Service by Voltage Level (Rs/kWh) = $\frac{\text{Cost of Service by voltage level at specified voltage (Rs. Cr)}}{\text{Sales at Same Voltage Level(MU)}}$

Note:

- ERC data is taken from Tariff order published by APERC in the respective year
- Voltage Wise Cost starting from 4.8 is apportioned voltage wise based on the Consumption Share at that voltage level (losses are not considered)
- Data related to CGS-Solar is included in VRE Solar

5. Receivables

5.1 Income Estimates (Rs Cr)- Actuals till reporting month and Estimates for rest of the period

5.2 Receivables during Month (Rs Cr)- Receivables for given Category in Current Month

5.3 Receivables YTD (Rs Cr)- Receivables for given Category in Current financial year (May-Mar)

- Receivables are obtained from APPCC

6. Payables

6.1 Expenditure for FY22 (Rs Cr)- Actuals till reporting month and Estimates for rest of the period

6.2 Receivables during Month (Rs Cr)- Payments made during the period

6.3 Receivables YTD (Rs Cr)- Payables made during given period

- Payables data is obtained from APPCC
- Data related to CGS -Solar is included in VRE Solar

7. Debt Servicing

7.1 Debt Servicing Schedule (Rs Cr)- Actuals till reporting month and Estimates for rest of the period

7.2 Debt Servicing during the month (Rs Cr)- Payments made during the period

7.3 Debt Servicing YTD (Rs Cr)- Payments made during the period

7.4 Debt Outstanding (Rs Cr)- Debt Outstanding as on last day of month for current year and 31st March for previous Year

- Debt servicing data is obtained from APPCC