

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

Prepared by- Strategic Planning Unit

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1. Sales

#	Item	Units	Month			YTD		
			CY	PY	% ↑	CY	PY	% ↑
Energy (MU)								
1.01	Metered Sales	MU	4418 (83%)	3799 (83%)	16%	25629 (83%)	21340 (80%)	20%
3.1.9	Agl Consumption	MU	885 (17%)	759 (17%)	17%	5127 (17%)	5452 (20%)	-6%
3.1.19	Discom Sales	MU	5303	4558	16%	30756	26792	15%
1.02	Private Sales	MU	4023 (76%)	3549 (78%)	13%	21874 (71%)	18125 (68%)	21%
1.03	Government Sales	MU	609 (11%)	441 (10%)	38%	2780 (9%)	2193 (8%)	27%
1.04	Government Subsidy	MU	671 (13%)	568 (12%)	18%	6102 (20%)	6473 (24%)	-6%
Collection (Rs. Cr)								
1.05	Opening Debtors	Rs Cr	12528	10420	20%	11673	8899	31%
5.2.14	Pvt Sales	Rs Cr	2482	1973	26%	13684	11065	24%
5.2.7	Gov Sales	Rs Cr	136	133	2%	733	752	-2%
5.2.1	Gov Subsidy	Rs Cr	500	900	-44%	3971	900	341%
1.06	Others	Rs Cr	0	0	-	0	0	-
3.3.19	Discom Collections	Rs Cr	3117	3005	4%	18388	12716	45%
1.07	Metered Sales	Rs Cr	2613	2101	24%	14461	11787	23%
3.3.10	Agl Consumption	Rs Cr	504	904	-44%	3926	928	323%
1.08	Revenue from Sale	Rs Cr	3848	3181	21%	21597	18390	17%
1.09	Adj Revenue from Sale	Rs Cr	3686	3055	21%	21505	15838	36%
1.10	Closing Debtors	Rs Cr	13247	11214	18%	13247	11214	18%
1.11	Adj Closing Debtors	Rs Cr	13247	11214	18%	13247	11214	18%
KPIs								
3.5.19	ARR	Rs/kWh	5.88	6.59	-11%	5.98	4.75	26%
3.6.19	AMC	kWh/bill/Mth	298	265	13%	276	248	11%
3.7.19	ACPB	Rs/bill/Mth	1754	1747	0%	1649	1179	40%

2. Purchases

#	Item	Units	Month			YTD		
			CY	PY	% ↑	CY	PY	% ↑
Power Purchase								
3.1.19	Discom Sales	MU	5303 (97%)	4558 (94%)	16%	30756 (90%)	26792 (92%)	15%
2.01	Discom Losses	MU	362 (7%)	400 (8%)	-10%	2467 (7%)	2147 (7%)	15%
2.02	Discom Input	MU	5665 (103%)	4958 (103%)	14%	33223 (97%)	28938 (99%)	15%
2.03	Transmission Loss	MU	147 (3%)	182 (4%)	-20%	964 (3%)	1145 (4%)	-16%
4.1.11	Discom Purchases	MU	5489	4836	14%	34151	29176	17%
4.2.11	Power Purchase Cost	Rs. Cr	2457 (72%)	1982 (64%)	24%	14668 (71%)	12658 (68%)	16%
Contracted Network Capacity (MW)								
2.04	STU	MW	12843	11909	8%	12843	11909	8%
2.05	CTU	MW	1731	2228	-22%	1745	2228	-22%
2.06	Distribution	MW	11334	10365	9%	11334	10365	9%
Capacity Charges								
2.07	STU Charges	Rs. Lacs/MW/Mth	1.6	1.2	33%	1.6	1.3	27%
2.08	CTU Charges	Rs. Lacs/MW/Mth	2.7	3.8	-29%	4.0	3.5	13%
2.09	Distribution Charges	Rs. Lacs/MW/Mth	6.0	8.0	-25%	6.1	7.0	-13%
Network Cost (Rs. Cr)								
2.10	STU Cost	Rs Cr	203 (6%)	148 (5%)	37%	1223 (6%)	888 (5%)	38%
2.11	CTU Cost	Rs Cr	47 (1%)	85 (3%)	-44%	413 (2%)	466 (3%)	-11%
2.12	Distribution Network Cost	Rs Cr	684 (20%)	826 (27%)	-17%	4136 (20%)	4357 (23%)	-5%
2.13	O&M Cost	Rs Cr	402	591	-32%	2625	3024	-13%
2.14	HR Cost	Rs Cr	359	518	-31%	2239	2596	-14%
2.15	A&G Cost	Rs Cr	10	24	-59%	97	141	-31%
2.16	R & M Cost	Rs Cr	33	49	-33%	289	287	0%
2.17	Depreciation	Rs Cr	113	107	5%	670	656	2%
2.18	ROCE	Rs Cr	115	73	57%	674	414	63%
2.19	Others	Rs Cr	55	55	0%	168	262	-36%
2.20	Network Cost	Rs Cr	934 (27%)	1058 (34%)	-12%	5772 (28%)	5711 (31%)	1%
Retail Supply Cost (Rs. Cr)								
2.21	B&C Cost and Supply Margin	Rs Cr	21	35	-40%	3405	121	2706%
2.22	Interest on Security Deposits	Rs Cr	18	18	0%	109	100	9%
2.23	Retail Supply Cost	Rs Cr	39 (1%)	53 (2%)	-27%	3514 (17%)	222 (1%)	1486%
Cost of Service (Rs. Cr)								
2.24	Cost of Service	Rs Cr	3430	3093	11%	20662	18591	11%
7.2.2	ERC Disallowed Debt	Rs Cr	127	663	-81%	5019	0	-
KPIs on Purchase basis								
2.25	Energy Cost on Purchase Basis	Rs/kWh	4.48	4.10	9%	4.30	4.34	-1%
2.26	STU Cost per Unit	Rs/kWh	0.37	0.31	21%	0.36	0.30	18%
2.27	CTU Cost per Unit	Rs/kWh	0.09	0.17	-51%	0.12	0.16	-24%
4.5.3	CTU Cost Per Unit on CGS purchases	Rs/kWh	0.49	0.83	-40%	0.66	0.78	-16%
2.28	Distribution Network Cost per Unit	Rs/kWh	1.25	1.71	-27%	1.21	1.49	-19%
2.29	Network Cost per Unit	Rs/kWh	1.70	2.21	-23%	1.69	1.96	-14%
2.30	Retail Supply Cost per Unit	Rs/kWh	0.07	0.11	-36%	1.03	0.08	1255%
2.31	Cost of Service per Unit	Rs/kWh	6.25	6.40	-2%	6.05	6.37	-5%
KPIs on Sales basis								

2.32	Energy Cost on Sales Basis	Rs/kWh	4.63	4.35	7%		4.77	4.72	1%
2.33	STU Cost per Unit	Rs/kWh	0.38	0.35	10%		0.40	0.33	20%
2.34	CTU Cost per Unit	Rs/kWh	0.09	0.19	-52%		0.13	0.17	-23%
2.35	Distribution Network Cost per Unit	Rs/kWh	1.29	1.81	-29%		1.34	1.63	-17%
2.36	Network Cost per Unit	Rs/kWh	1.76	2.32	-24%		1.88	2.13	-12%
2.37	Retail Supply Cost per Unit	Rs/kWh	0.07	0.12	-37%		1.14	0.08	1282%
2.38	ACS	Rs/kWh	6.47	6.79	-5%		6.72	6.94	-3%
2.39	ERC Disallowed Debt per Unit	Rs/kWh	0.24	1.46	-84%		1.63	0.00	-
AT&C Losses									
2.40	Collection η	%	77%	71%	9%		92%	74%	26%
2.41	Units Realized	MU	3881	3087	26%		28288	19408	46%
2.42	Units Unrealized	MU	1499	1644	-9%		4848	9127	-47%
2.43	AT&C Losses	%	28%	35%	-20%		15%	32%	-54%
ACS-ARR GAP									
2.44	GAP	Rs/kWh	-0.59	-0.19	208%		-0.74	-2.19	-66%

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%)	281 (6%)	10%	1827 (6%)	1740 (6%)	5%
3.1.2	LT-1B	865 (16%)	842 (18%)	3%	5080 (17%)	4860 (18%)	5%
3.1.3	LT-1C	400 (8%)	375 (8%)	7%	2868 (9%)	2665 (10%)	8%
3.1.4	LT-1	1572 (30%)	1498 (33%)	5%	9775 (32%)	9265 (35%)	6%
3.1.5	LT-2	273 (5%)	200 (4%)	37%	1497 (5%)	1179 (4%)	27%
3.1.6	LT-3	129 (2%)	128 (3%)	0%	786 (3%)	634 (2%)	24%
3.1.7	LT-4	119 (2%)	107 (2%)	11%	698 (2%)	639 (2%)	9%
3.1.8	LT-5	1230 (23%)	1057 (23%)	16%	7182 (23%)	7097 (26%)	1%
3.1.9	LT-5 A (ii)	885 (17%)	759 (17%)	17%	5127 (17%)	5452 (20%)	-6%
3.1.10	LT-5 excluding A(ii)	346 (7%)	298 (7%)	16%	2055 (7%)	1645 (6%)	25%
3.1.11	LT	3323 (63%)	2990 (66%)	11%	19938 (65%)	18814 (70%)	6%
3.1.12	HT-1	6 (0%)	6 (0%)	2%	35 (0%)	33 (0%)	6%
3.1.13	HT-2	132 (2%)	98 (2%)	34%	736 (2%)	565 (2%)	30%
3.1.14	HT-3	1421 (27%)	1085 (24%)	31%	8316 (27%)	5681 (21%)	46%
3.1.15	HT-4	193 (4%)	108 (2%)	79%	1087 (4%)	647 (2%)	68%
3.1.16	HT-5	184 (3%)	196 (4%)	-6%	386 (1%)	634 (2%)	-39%
3.1.17	Rescos	44 (1%)	76 (2%)	-42%	258 (1%)	417 (2%)	-38%
3.1.18	HT	1980 (37%)	1568 (34%)	26%	10818 (35%)	7978 (30%)	36%
3.1.19	Discom Sales	5303	4558	16%	30756	26792	15%

3.2 Energy Sales by Voltage Level (MU)

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.2.1	LT	3309.87	2990.06	11%	19925	18814	6%
3.2.2	11KV	455.05	441.45	3%	2728	2462	11%
3.2.3	33KV	565.12	439.94	28%	3140	2265	39%
3.2.4	EHT	972.62	686.61	42%	4963	3251	53%
3.1.19	Discom Sales	5302.66	4558.06	16%	30756	26792	15%

3.3 Collection by Category (Rs Cr)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.3.1	LT-1A	103 (3%)	81 (3%)	26%	517 (3%)	486 (4%)	6%
3.3.2	LT-1B	340 (11%)	280 (9%)	22%	1708 (9%)	1569 (12%)	9%
3.3.3	LT-1C	261 (8%)	224 (7%)	16%	1682 (9%)	1533 (12%)	10%
3.3.4	LT-1	704 (23%)	586 (19%)	20%	3907 (21%)	3589 (28%)	9%
3.3.5	LT-2	304 (10%)	230 (8%)	32%	1607 (9%)	1300 (10%)	24%
3.3.6	LT-3	116 (4%)	94 (3%)	23%	644 (4%)	518 (4%)	24%
3.3.7	LT-4	23 (1%)	54 (2%)	-58%	161 (1%)	249 (2%)	-35%
3.3.8	LT-5	588 (19%)	999 (33%)	-41%	4483 (24%)	1488 (12%)	201%
3.3.9	LT-5 A (ii)	504 (16%)	904 (30%)	-44%	3926 (21%)	928 (7%)	323%
3.3.10	LT-5 excluding A(ii)	84 (3%)	94 (3%)	-11%	557 (3%)	561 (4%)	-1%
3.3.11	LT	1735 (56%)	1963 (65%)	-12%	10803 (59%)	7144 (56%)	51%
3.3.12	HT-1	5 (0%)	4 (0%)	21%	28 (0%)	23 (0%)	21%
3.3.13	HT-2	149 (5%)	117 (4%)	28%	811 (4%)	654 (5%)	24%
3.3.14	HT-3	1085 (35%)	831 (28%)	31%	5968 (32%)	4290 (34%)	39%
3.3.15	HT-4	140 (4%)	71 (2%)	96%	731 (4%)	456 (4%)	60%
3.3.16	HT-5	4 (0%)	15 (1%)	-77%	30 (0%)	122 (1%)	-75%
3.3.17	Rescos	0 (0%)	5 (0%)	-100%	17 (0%)	26 (0%)	-33%
3.3.18	HT	1382 (44%)	1043 (35%)	32%	7584 (41%)	5571 (44%)	36%
3.3.19	Discom Collections	3117	3006	4%	18387	12715	45%

3.4 Bills by Category (Nos)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.4.1	LT-1A	63,79,878(36%)	62,83,739(37%)	2%	70,35,353(38%)	74,14,906(41%)	-5%
3.4.2	LT-1B	65,58,282(37%)	63,60,922(37%)	3%	65,98,186(36%)	64,13,581(36%)	3%
3.4.3	LT-1C	13,36,488(8%)	12,52,365(7%)	7%	16,24,348(9%)	28,23,593(16%)	-42%
3.4.4	LT-1	1,42,74,648(80%)	1,38,97,026(81%)	3%	1,47,16,577(79%)	1,43,12,835(80%)	3%
3.4.5	LT-2	15,29,910(9%)	14,22,358(8%)	8%	16,08,185(9%)	15,08,232(8%)	7%
3.4.6	LT-3	79,950(0%)	77,912(0%)	3%	95,814(1%)	92,994(1%)	3%
3.4.7	LT-4	3,30,028(2%)	3,23,770(2%)	2%	3,39,379(2%)	3,30,742(2%)	3%
3.4.8	LT-5	15,41,041(9%)	14,69,660(9%)	5%	18,10,688(10%)	17,33,449(10%)	4%
3.4.9	LT-5 A (ii)	14,54,791(8%)	13,91,602(8%)	5%	17,25,107(9%)	16,48,122(9%)	5%
3.4.10	LT-5 excluding A(ii)	86,250(0%)	78,058(0%)	10%	92,913(1%)	93,039(1%)	0%
3.4.11	LT	1,77,55,577(100%)	1,71,90,726(100%)	3%	1,85,69,976(100%)	1,79,67,008(100%)	3%
3.4.12	HT-1	110(0%)	103(0%)	7%	110(0%)	104(0%)	6%
3.4.13	HT-2	4,378(0.02%)	4,137(0.02%)	6%	4,378(0.02%)	4,142(0.02%)	6%
3.4.14	HT-3	6,253(0.04%)	5,766(0.03%)	8%	6,253(0.03%)	5,850(0.03%)	7%
3.4.15	HT-4	620(0%)	605(0%)	2%	620(0%)	610(0%)	2%
3.4.16	HT-5	710(0%)	843(0%)	-16%	710(0%)	950(0.01%)	-25%
3.4.17	Rescos	82(0%)	80(0%)	3%	82(0%)	80(0%)	3%
3.4.18	HT	12,153(0.07%)	11,534(0.07%)	5%	12,153(0.07%)	11,736(0.07%)	4%
3.4.19	Discom Bills	1,77,67,730	1,72,02,260	3%	1,85,82,129	1,79,78,744	3%

3.5 Average Revenue Realized by Category (Rs/kWh)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.5.1	LT-1A	3.34	2.90	15%	2.83	2.80	1%
3.5.2	LT-1B	3.94	3.32	19%	3.36	3.23	4%
3.5.3	LT-1C	6.54	5.99	9%	5.86	5.75	2%
3.5.4	LT-1	4.48	3.91	15%	4.00	3.87	3%
3.5.5	LT-2	11.14	11.53	-3%	10.73	11.03	-3%
3.5.6	LT-3	9.05	7.37	23%	8.19	8.17	0%
3.5.7	LT-4	1.90	4.99	-62%	2.31	3.90	-41%
3.5.8	LT-5	4.78	9.45	-49%	6.24	2.10	198%
3.5.9	LT-5 A (ii)	5.70	11.91	-52%	7.66	1.70	350%
3.5.10	LT-5 excluding A(ii)	2.43	3.17	-23%	2.71	3.41	-20%
3.5.11	LT	5.22	6.56	-20%	5.42	3.80	43%
3.5.12	HT-1	8.02	6.80	18%	7.86	6.89	14%
3.5.13	HT-2	11.33	11.87	-5%	11.02	11.57	-5%
3.5.14	HT-3	7.63	7.66	0%	7.18	7.55	-5%
3.5.15	HT-4	7.23	6.60	10%	6.72	7.05	-5%
3.5.16	HT-5	0.19	0.77	-75%	0.78	1.93	-59%
3.5.17	Rescos	0.00	0.71	-100%	0.67	0.62	8%
3.5.18	HT	6.98	6.65	5%	7.01	6.98	0%
3.5.19	ARR	5.88	6.59	-11%	5.98	4.75	26%

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

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.6.1	LT-1A	48	45	8%	43	39	11%
3.6.2	LT-1B	132	132	0%	128	126	2%
3.6.3	LT-1C	299	299	0%	294	157	87%
3.6.4	LT-1	110	108	2%	111	108	3%
3.6.5	LT-2	178	141	27%	155	130	19%

3.6.6	LT-3	1608	1643	-2%	1367	1135	20%
3.6.7	LT-4	361	332	9%	343	322	6%
3.6.8	LT-5	798	719	11%	661	682	-3%
3.6.9	LT-5 A (ii)	608	546	11%	495	551	-10%
3.6.10	LT-5 excluding A(ii)	4011	3813	5%	3687	2947	25%
3.6.11	LT	187	174	8%	179	175	3%
3.6.12	HT-1	51455	53689	-4%	53738	53534	0%
3.6.13	HT-2	30078	23727	27%	28009	22736	23%
3.6.14	HT-3	227312	188096	21%	221649	161858	37%
3.6.15	HT-4	311500	178463	75%	292331	176724	65%
3.6.16	HT-5	259563	232301	12%	90535	111292	-19%
3.6.17	Rescos	533293	949625	-44%	523714	868376	-40%
3.6.18	HT	162912	135948	20%	148356	113293	31%
3.6.19	AMC	298	265	13%	276	248	11%

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

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.7.1	LT-1A	161	130	24%	123	109	12%
3.7.2	LT-1B	519	440	18%	432	408	6%
3.7.3	LT-1C	1954	1792	9%	1726	905	91%
3.7.4	LT-1	493	421	17%	443	418	6%
3.7.5	LT-2	1988	1620	23%	1665	1437	16%
3.7.6	LT-3	14552	12102	20%	11206	9280	21%
3.7.7	LT-4	686	1657	-59%	793	1255	-37%
3.7.8	LT-5	3815	6795	-44%	4126	1431	188%
3.7.9	LT-5 A (ii)	3463	6499	-47%	3793	938	304%
3.7.10	LT-5 excluding A(ii)	9762	12074	-19%	9989	10041	-1%
3.7.11	LT	977	1142	-14%	970	663	46%
3.7.12	HT-1	412727	365049	13%	422390	369047	14%
3.7.13	HT-2	340681	281750	21%	308600	263002	17%
3.7.14	HT-3	1734639	1440930	20%	1590700	1222165	30%
3.7.15	HT-4	2253548	1177521	91%	1963778	1246340	58%
3.7.16	HT-5	49296	179004	-72%	70713	214403	-67%
3.7.17	Rescos	0	673750	-100%	349623	538101	-35%
3.7.18	HT	1136822	904179	26%	1040120	791104	31%
3.7.19	ACPB	1754	1747	0%	1649	1179	40%

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	1531 (28%)	1260 (26%)	22%	2488 (45%)	-38%	10229 (30%)	6174 (21%)	66%	15141 (46%)	-32%
4.1.2	State Hydel	459 (8%)	600 (12%)	-24%	434 (8%)	6%	1599 (5%)	1745 (6%)	-8%	1530 (5%)	5%
4.1.3	CGS	955 (17%)	1019 (21%)	-6%	1155 (21%)	-17%	6249 (18%)	5950 (20%)	5%	6349 (19%)	-2%
4.1.4	Gas	103 (2%)	171 (4%)	-40%	94 (2%)	9%	746 (2%)	1320 (5%)	-43%	448 (1%)	67%
4.1.5	IPPs	135 (2%)	144 (3%)	-6%	137 (2%)	-1%	890 (3%)	2570 (9%)	-65%	783 (2%)	14%
4.1.6	VRE-Wind	912 (17%)	572 (12%)	59%	647 (12%)	41%	4915 (14%)	4044 (14%)	22%	4761 (14%)	3%
4.1.7	VRE-Solar	590 (11%)	427 (9%)	38%	569 (10%)	4%	3524 (10%)	3105 (11%)	14%	4100 (12%)	-14%
4.1.8	RE-Others	15 (0%)	30 (1%)	-51%	30 (1%)	-51%	106 (0%)	134 (0%)	-21%	161 (0%)	-35%
4.1.9	Markets	780 (14%)	612 (13%)	27%	0 (0%)	-	5796 (17%)	4113 (14%)	41%	0 (0%)	-
4.1.10	Others	9 (0%)	0 (0%)	-	0 (0%)	-	95 (0%)	22 (0%)	335%	0 (0%)	-
4.1.11	Discom Purchases	5489	4836	14%	5555	-1%	34151	29176	17%	33272	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	774 (32%)	657 (33%)	18%	1186 (57%)	-35%	4955 (34%)	3609 (29%)	37%	7185 (56%)	-31%
4.2.2	State Hydel	51 (2%)	50 (3%)	2%	51 (2%)	0%	307 (2%)	301 (2%)	2%	307 (2%)	0%
4.2.3	CGS	396 (16%)	451 (23%)	-12%	464 (22%)	-15%	2350 (16%)	2543 (20%)	-8%	2600 (20%)	-10%
4.2.4	Gas	25 (1%)	48 (2%)	-48%	22 (1%)	13%	183 (1%)	366 (3%)	-50%	108 (1%)	69%
4.2.5	IPPs	53 (2%)	62 (3%)	-15%	55 (3%)	-5%	351 (2%)	1040 (8%)	-66%	322 (3%)	9%
4.2.6	VRE-Wind	442 (18%)	269 (14%)	64%	157 (8%)	181%	2322 (16%)	1906 (15%)	22%	1157 (9%)	101%
4.2.7	VRE-Solar	254 (10%)	197 (10%)	28%	143 (7%)	77%	1521 (10%)	1408 (11%)	8%	1027 (8%)	48%
4.2.8	RE-Others	6 (0%)	14 (1%)	-56%	16 (1%)	-61%	55 (0%)	66 (1%)	-16%	83 (1%)	-33%
4.2.9	Markets	446 (18%)	217 (11%)	106%	0 (0%)	178130%	2534 (17%)	1384 (11%)	83%	2 (0%)	150246%
4.2.10	Others	10 (0%)	17 (1%)	-43%	0 (0%)	-	90 (1%)	37 (0%)	144%	0 (0%)	-
4.2.11	Power Purchase Cost	2457	1982	24%	2096	17%	14668	12658	16%	12791	15%

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	255	256	0%	352	-28%	1568	1632	-4%	2111	-26%
4.3.2	State Hydel	51	50	2%	51	0%	307	301	2%	307	0%
4.3.3	CGS	129	131	-2%	125	3%	703	692	2%	751	-6%
4.3.4	Gas	1	3	-59%	2	-22%	11	23	-54%	10	8%
4.3.5	IPPs	23	28	-19%	23	-2%	148	248	-40%	140	6%
4.3.6	Fixed Cost	458	468	-2%	553	-17%	2738	2896	-5%	3319	-18%

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	519	402	29%	835	-38%	3387	1977	71%	5074	-33%
4.4.2	CGS	268	319	-16%	339	-21%	1647	1851	-11%	1849	-11%
4.4.3	Gas	24	45	-47%	21	15%	172	342	-50%	98	75%
4.4.4	IPPs	30	34	-11%	32	-7%	203	792	-74%	182	11%
4.4.5	VRE-Wind	442	269	64%	157	181%	2322	1906	22%	1157	101%
4.4.6	VRE-Solar	254	197	28%	143	77%	1521	1408	8%	1027	48%
4.4.7	RE-Others	6	14	-56%	16	-61%	55	66	-16%	83	-33%
4.4.8	Markets	446	217	106%	0	178130%	2534	1384	83%	2	150246%
4.4.9	Variable Cost	1989	1497	33%	1542	29%	11841	9725	22%	9472	25%

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	5.06	5.22	-3%	4.77	6%	4.84	5.84	-17%	4.75	2%
4.5.2	State Hydrel	1.11	0.84	34%	1.18	-6%	1.92	1.72	11%	2.01	-4%
4.5.3	CGS	4.15	4.42	-6%	4.01	3%	3.76	4.27	-12%	4.10	-8%
4.5.4	Gas	2.45	2.82	-13%	2.38	3%	2.45	2.77	-12%	2.42	1%
4.5.5	IPPs	3.88	4.29	-10%	4.03	-4%	3.94	4.05	-3%	4.12	-4%
4.5.6	VRE-Wind	4.85	4.71	3%	2.43	99%	4.72	4.71	0%	2.43	94%
4.5.7	VRE-Solar	4.30	4.63	-7%	2.52	71%	4.32	4.53	-5%	2.50	72%
4.5.8	RE-Others	4.15	4.56	-9%	5.14	-19%	5.25	4.91	7%	5.14	2%
4.5.9	Markets	5.72	3.54	62%	0.00	-	4.37	3.36	30%	0.00	-
4.5.10	Others	10.56	0.00	-	0.00	-	9.41	16.73	-44%	0.00	-
4.5.11	Weighted Average	4.48	4.10	9%	3.77	19%	4.30	4.34	-1%	3.84	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	1.66	2.03	-18%	1.41	18%	1.53	2.64	-42%	1.39	10%
4.6.2	State Hydrel	1.11	0.84	34%	1.18	-6%	1.92	1.72	11%	2.01	-4%
4.6.3	CGS	1.35	1.29	4%	1.08	24%	1.13	1.16	-3%	1.18	-5%
4.6.4	Gas	0.13	0.19	-32%	0.18	-28%	0.14	0.18	-18%	0.22	-35%
4.6.5	IPPs	1.68	1.96	-14%	1.70	-1%	1.67	0.97	72%	1.79	-7%
4.6.6	Average FC	0.85	1.00	-15%	1.00	-14%	0.83	1.01	-18%	1.00	-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	3.19	6%	3.35	1%	3.31	3.20	3%	3.35	-1%
4.7.2	CGS	2.80	3.13	-10%	2.93	-4%	2.64	3.11	-15%	2.91	-10%
4.7.3	Gas	2.33	2.64	-12%	2.20	6%	2.31	2.60	-11%	2.20	5%
4.7.4	IPPs	2.20	2.33	-6%	2.33	-6%	2.28	3.08	-26%	2.33	-2%
4.7.5	VRE-Wind	4.85	4.71	3%	2.43	99%	4.72	4.71	0%	2.43	94%
4.7.6	VRE-Solar	4.30	4.63	-7%	2.52	71%	4.32	4.53	-5%	2.50	72%
4.7.7	RE-Others	4.15	4.56	-9%	5.14	-19%	5.25	4.91	7%	5.14	2%
4.7.8	Markets	5.72	3.54	62%	0.00	-	4.37	3.36	30%	0.00	-
4.7.9	Average VC	3.62	3.10	17%	2.78	31%	3.47	3.33	4%	2.85	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	1534	1300	18%	9503	8889	7%
4.8.2	11KV	211	192	10%	1301	1163	12%
4.8.3	33KV	262	191	37%	1497	1070	40%
4.8.4	EHT	451	299	51%	2367	1536	54%
4.2.11	Power Purchase Cost	2457	1982	24%	14668	12658	16%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.9.1	LT	583	694	-16%	3740	4010	-7%
4.9.2	11KV	80	102	-22%	512	525	-2%
4.9.3	33KV	100	102	-3%	589	483	22%
4.9.4	EHT	171	159	7%	932	693	34%
2.20	Network Cost	934	1058	-12%	5772	5711	1%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.10.1	LT	24	35	-30%	144	156	-8%
4.10.2	11KV	3	5	-35%	20	20	-3%
4.10.3	33KV	4	5	-19%	23	19	21%
4.10.4	EHT	7	8	-11%	36	27	33%
2.23	Retail Supply Cost	39	53	-27%	222	222	0%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.11.1	LT	2141	2029	6%	13386	13055	3%
4.11.2	11KV	294	300	-2%	1833	1708	7%
4.11.3	33KV	366	299	22%	2109	1571	34%
4.11.4	EHT	629	466	35%	3334	2256	48%
2.24	Cost of Service	3430	3093	11%	20662	18591	11%

4.12 Losses by Voltage (MU)

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.12.1	LT	87	111	1%	598	587	1%
4.12.2	11KV	97	146	10%	809	695	10%
4.12.3	33KV	177	144	36%	1061	864	36%
4.12.4	EHT	147	182	-8%	964	1145	-8%
4.12.5	Loss	508	582	9%	3431	3292	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	2192	2084	5%	13723	13308	3%
4.13.2	11KV	294	297	-1%	1824	1689	8%
4.13.3	33KV	356	284	25%	2029	1506	35%
4.13.4	EHT	589	428	37%	3087	2089	48%
2.24	Cost of Service	3430	3093	11%	20662	18591	11%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.14.1	LT	6.6	7.0	-5%	6.9	7.1	-3%
4.14.2	11KV	6.5	6.7	-4%	6.7	6.9	-3%
4.14.3	33KV	6.3	6.5	-3%	6.5	6.6	-3%
4.14.4	EHT	6.1	6.2	-3%	6.2	6.4	-3%
2.37	ACS	6.5	6.8	-5%	6.7	6.9	-3%

5. Receivables

5.1 Income Estimates (Rs Cr)

#	Item	Q1	Q2	Q3	Q4	FY22
5.1.1	Subsidy	2267	2268	2237	2234	9006
5.1.2	Agriculture Subsidy	1824	1824	1824	1824	7297
5.1.3	Aquaculture Subsidy	256	231	208	212	907
5.1.4	SC Colonies Subsidy	125	146	138	133	543
5.1.5	ST Thandas Subsidy	25	30	27	26	108
5.1.6	Other Subsidy	36	37	39	39	151
5.1.7	Govt Agencies	1139	1397	1186	1121	4843
5.1.8	Panchayats	328	370	333	323	1354
5.1.9	WR Dept	334	455	351	304	1444
5.1.10	ULB	139	171	129	125	564
5.1.11	Other Govt Dept	338	402	373	369	1482
5.1.12	Govt serviced debt	361	541	24	15	941
5.1.13	UDAY Receivables	0	32	0	0	32
5.1.14	Private Customers Receivables	6758	7027	6524	6253	26563
5.1.15	Total	10525	11265	9971	9623	41384
5.1.16	Opex Loans	4819	1246	0	0	6065
5.1.17	Capex Loans	170	69	0	0	240

5.2 Receivables during Month (Rs Cr)

#	Item	ERC-BE	DEMAND	COLLECTIONS		BALANCE	% ↑	% Δ ERC
				CY	PY			
5.2.1	Subsidy	736	754	500	900	254	-44%	-32%
5.2.2	Agriculture Subsidy	608	608	500	900	108	-44%	-18%
5.2.3	Aquaculture Subsidy	77	81	0	0	81	-	-100%
5.2.4	SC Colonies Subsidy	42	53	0	0	53	-	-100%
5.2.5	ST Thandas Subsidy	8	11	0	0	11	-	-100%
5.2.6	Other Subsidy	1	1	0	0	1	-	-100%
5.2.7	Govt Agencies	365	536	136	133	401	2%	-63%
5.2.8	Panchayats	103	123	10	30	113	-66%	-90%
5.2.9	WR Dept	97	215	0	1	215	-79%	-100%
5.2.10	ULB	41	52	12	20	40	-40%	-72%
5.2.11	Other Govt Dept	124	146	113	82	33	38%	-8%
5.2.12	Govt serviced debt	0	271	82	48	189	70%	-
5.2.13	UDAY Receivables	0	32	0	0	32	-	-
5.2.14	Private Customers Receivables	2245	2553	2482	1973	71	26%	11%
5.2.15	Total	3346	4146	3199	3053	946	5%	-4%
5.2.16	Opex Loans	0	0	0	0	0	-	-
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	4416	4461	3971	900	14525	6079	341%	-10%
5.3.2	Agriculture Subsidy	12127	3649	3649	3898	900	11877	4787	333%	7%
5.3.3	Aquaculture Subsidy	1176	463	492	72	0	1596	763	-	-84%
5.3.4	SC Colonies Subsidy	552	250	263	0	0	815	379	-	-100%
5.3.5	ST Thandas Subsidy	167	47	54	0	0	221	139	-	-100%
5.3.6	Other Subsidy	12	8	4	0	0	16	11	-	-100%
5.3.7	Govt Agencies	8109	2190	2263	733	752	9639	6452	-2%	-67%
5.3.8	Panchayats	3710	617	670	87	116	4294	3056	-25%	-86%
5.3.9	WR Dept	3728	583	684	11	29	4401	2868	-62%	-98%

5.3.10	ULB	441	247	293	74	123	659	336	-40%	-70%
5.3.11	Other Govt Dept	229	743	617	562	484	284	192	16%	-24%
5.3.12	Govt serviced debt	220	0	982	452	267	750	0	69%	-
5.3.13	UDAY Receivables	3475	0	32	0	0	3507	3444	-	-
5.3.14	Private Customers Receivables	3059	13392	14140	13684	11065	3515	2612	24%	2%
5.3.15	Total	28897	19998	21878	18840	12983	31935	18586	45%	-6%
5.3.16	Opex Loans	0	0	6065	6065	2091	0	0	190%	-
5.3.17	Capex Loans	0	0	240	190	238	49	0	-20%	-

6. Payables

6.1 Expenditure for FY22 (Rs Cr)

#	Item	Q1	Q2	Q3	Q4	FY22
6.1.1	PP Cost	9101	6752	6628	6849	29330
6.1.2	State Thermal	2765	2661	3618	3938	12982
6.1.3	State Hydel	221	154	154	154	682
6.1.4	CGS	1406	1201	1432	1427	5466
6.1.5	IPPs Gas	131	83	69	67	350
6.1.6	IPPs Thermal	217	172	166	166	720
6.1.7	VRE- Wind	1130	1174	348	330	2982
6.1.8	VRE- Solar	1208	613	427	529	2777
6.1.9	RE-Others	38	28	77	88	230
6.1.10	Market	1936	637	338	150	3062
6.1.11	Other	50	29	0	0	78
6.1.12	Wind @ interim rate	399	718	348	330	1795
6.1.13	Solar @ interim rate	325	411	427	529	1692
6.1.14	CTU Cost	175	278	374	374	1201
6.1.15	STU Cost	614	582	600	600	2396
6.1.16	Distribution Cost	1901	1699	1869	1872	7341
6.1.17	O&M Cost	1368	1300	1441	1444	5553
6.1.18	HR Cost	1127	1126	1186	1189	4628
6.1.19	A&G Cost	79	74	93	94	340
6.1.20	R&M Cost	162	101	161	161	585
6.1.21	Depreciation	343	343	354	354	1394
6.1.22	ROCE	304	324	390	390	1407
6.1.23	Others	189	55	75	75	394
6.1.24	Cost of Service	11790	9310	9471	9696	40267
7.1.1	Capex Debt service (P+I)	645	645	642	635	2567
7.1.2	Opex Debt service (P+I)	2730	3998	1778	1648	10154

6.2 Payables during the Month (Rs Cr)

#	Item	ERC-BE	EXPENDITURE	PAID		BALANCE	% ↑	% δ ERC
				CY	PY			
6.2.1	PP Cost	2085	2457	2285	4891	172	-53%	10%
6.2.2	State Thermal	1212	774	1076	997	-302	8%	-11%
6.2.3	State Hydel	51	51	51	53	0	-4%	0%
6.2.4	CGS	466	396	572	3497	-175	-84%	23%
6.2.5	IPPs Gas	23	25	25	30	0	-15%	13%
6.2.6	IPPs Thermal	55	53	66	72	-14	-9%	20%
6.2.7	VRE- Wind	157	442	1	6	441	-84%	-99%
6.2.8	VRE- Solar	143	254	1	16	253	-96%	-100%
6.2.9	RE-Others	15	6	38	0	-32	-	151%
6.2.10	Market	-38	446	455	219	-9	107%	-1285%
6.2.11	Other	0	10	0	0	10	-	0%
6.2.12	Wind @ interim rate	157	222	1	6	220	-84%	-99%
6.2.13	Solar @ interim rate	143	144	1	16	143	-96%	-100%
6.2.14	CTU Cost	130	47	73	17	-26	340%	-44%
6.2.15	STU Cost	221	203	159	158	44	1%	-28%
6.2.16	Distribution Cost	945	720	493	595	227	-17%	-48%
6.2.17	O&M Cost	512	416	416	515	0	-19%	-19%
6.2.18	HR Cost	413	359	359	420	0	-15%	-13%
6.2.19	A&G Cost	27	25	25	26	0	-5%	-9%
6.2.20	R&M Cost	72	33	33	68	0	-52%	-55%
6.2.21	Depreciation	125	113	0	0	113	-	-100%
6.2.22	ROCE	149	115	0	0	115	-	-100%

6.2.23	Others	158	77	77	80	0	-4%	-52%
6.2.24	Cost of Service	3381	3427	3010	5661	417	-47%	-11%
7.2.1	Capex Debt service (P+I)	144	113	113	109	0	4%	-21%
7.2.2	Opex Debt service (P+I)	0	585	127	663	458	-81%	0%

6.3 Payables YTD (Rs Cr)

#	Item	OB	ERC-BE	EXPENDITURE	PAID		CB	OD > 180 DAYS	% ↑	% ⚡ ERC
					CY	PY				
6.3.1	PP Cost	13327	12781	14668	15582	14645	12414	5836	6%	22%
6.3.2	State Thermal	4748	7211	4955	6729	4654	2974	2221	45%	-7%
6.3.3	State Hydel	130	307	307	307	306	130	131	0%	0%
6.3.4	CGS	2137	2603	2350	4219	5933	269	70	-29%	62%
6.3.5	IPPs Gas	93	109	183	204	394	72	48	-48%	88%
6.3.6	IPPs Thermal	661	322	351	417	1187	595	379	-65%	30%
6.3.7	VRE- Wind	3847	1157	2322	819	375	5350	2117	119%	-29%
6.3.8	VRE- Solar	1640	1027	1521	259	137	2902	869	89%	-75%
6.3.9	RE-Others	99	82	55	106	95	48	0	12%	29%
6.3.10	Market	-29	-37	2534	2459	1270	46	0	94%	-6754%
6.3.11	Other	0	0	90	63	295	27	0	-79%	-
6.3.12	Wind @ interim rate	251	1157	1194	763	375	683	87	104%	-34%
6.3.13	Solar @ interim rate	108	1026	861	259	137	710	59	89%	-75%
6.3.14	CTU Cost	127	130	47	73	17	101	0	340%	-44%
6.3.15	STU Cost	1642	221	203	159	158	1685	312	1%	-28%
6.3.16	Distribution Cost	0	4692	4353	3011	3092	1342	0	-3%	-36%
6.3.17	O&M Cost	0	2891	2672	2672	2781	0	0	-4%	-8%
6.3.18	HR Cost	0	2345	2239	2239	2334	0	0	-4%	-5%
6.3.19	A&G Cost	0	174	145	145	157	0	0	-8%	-17%
6.3.20	R&M Cost	0	373	289	289	290	0	0	0%	-22%
6.3.21	Depreciation	0	669	669	0	0	669	0	-	-100%
6.3.22	ROCE	0	801	673	0	0	673	0	-	-100%
6.3.23	Others	0	331	339	338	310	0	0	9%	2%
6.3.24	Cost of Service	15096	17824	19272	18825	17912	15542	6148	5%	6%
7.3.1	Capex Debt service (P+I)	0	862	708	708	109	0	0	550%	-18%
7.3.2	Opex Debt service (P+I)	1000	0	4921	5019	663	902	0	656%	-

7. Debt Servicing

7.1 Debt Servicing Schedule (Rs Cr)

#	Item	Q1	Q2	Q3	Q4	FY22
7.1.1	ERC allowed-Capex Debt	645	645	642	635	2567
7.1.2	ERC disallowable-Opex Debt	2730	3998	1778	1648	10154
7.1.3	Debt Servicing	3375	4643	2420	2283	12721

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	144	113	113	109	0	4%	-21%
7.2.2	ERC disallowable-Opex Debt	0	585	127	663	458	-81%	0%
7.2.3	Debt Servicing	144	698	240	772	458	-69%	67%

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	862	708	708	109	0	0	550%	-18%
7.3.2	ERC disallowable-Opex Debt	1000	0	4921	5019	663	0	0	656%	0%
7.3.3	Debt Servicing	1000	862	5629	5726	772	0	0	641%	564%

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	5569	5092	9%	4867	3903	25%	10436	8995	16%
7.4.2	PFC	326	480	-32%	4913	4665	5%	5238	5144	2%
7.4.3	APPFCL	0	0	-	9159	9295	-1%	9159	9295	-1%
7.4.4	BANKS	2039	1720	19%	869	1218	-29%	2908	2938	-1%
7.4.5	IREDA	0	0	-	930	1388	-33%	930	1388	-33%
7.4.6	ICD	0	0	-	521	663	-21%	521	663	-21%
7.4.7	PTC	0	0	-	60	164	-63%	60	164	-63%
7.4.8	GOAP	0	0	-	0	0	-	0	0	-
7.4.9	OTHERS	759	690	10%	6564	5631	17%	7323	6321	16%
7.4.10	Debt Outstanding	8692	7981	9%	27884	26926	4%	36576	34907	5%

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		
2.25	Energy Cost on Purchase Basis	Refer 4.5.11
2.26	STU Cost per Unit	$\frac{\text{STU Cost(Rs Cr)*10}}{\text{Discom Purchase(MU)}} \text{ (Rs /kWh)}$
2.27	CTU Cost per Unit	$\frac{\text{CTU Cost(Rs Cr)*10}}{\text{Discom Purchase(MU)}} \text{ (Rs /kWh)}$
4.5.3	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