

Andhra Pradesh Electricity Distribution Companies Monthly Report on Key Performance Indicators July- 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	4146 (85%)	3589 (81%)	16%	16973 (82%)	13930 (77%)	22%
3.1.9	Agl Consumption	MU	713 (15%)	845 (19%)	-16%	3605 (18%)	4154 (23%)	-13%
3.1.19	Discom Sales	MU	4859	4434	10%	20578	18084	14%
1.02	Private Sales	MU	3287 (68%)	2955 (67%)	11%	14099 (69%)	11309 (63%)	25%
1.03	Government Sales	MU	433 (9%)	365 (8%)	19%	1657 (8%)	1386 (8%)	20%
1.04	Government Subsidy	MU	1138 (23%)	1114 (25%)	2%	4822 (23%)	5388 (30%)	-11%
Collection (Rs. Cr)								
1.05	Opening Debtors	Rs Cr	12935	10371	25%	11673	8899	31%
5.2.14	Pvt Sales	Rs Cr	2209	2032	9%	9010	7129	26%
5.2.7	Gov Sales	Rs Cr	115	94	22%	480	507	-5%
5.2.1	Gov Subsidy	Rs Cr	250	0	-	1957	0	-
1.06	Others	Rs Cr	0	0	-	0	0	-
3.3.19	Discom Collections	Rs Cr	2574	2125	21%	11448	7636	50%
1.07	Metered Sales	Rs Cr	2318	2121	9%	9542	7616	25%
3.3.10	Agl Consumption	Rs Cr	255	4	5705%	1905	18	10711%
1.08	Revenue from Sale	Rs Cr	3554	3021	18%	14141	12162	16%
1.09	Adj Revenue from Sale	Rs Cr	3102	2238	39%	13506	10434	29%
1.10	Closing Debtors	Rs Cr	13194	10676	24%	13194	10676	24%
1.11	Adj Closing Debtors	Rs Cr	13194	10676	24%	13194	10676	24%
KPIs								
3.5.19	ARR	Rs/kWh	5.30	4.79	10%	5.56	4.22	32%
3.6.19	AMC	kWh/bill/Mth	275	259	6%	278	253	10%
3.7.19	ACPB	Rs/bill/Mth	1456	1242	17%	1546	1066	45%

2. Purchases

#	Item	Units	Month			YTD		
			CY	PY	% ↑	CY	PY	% ↑
Power Purchase								
3.1.19	Discom Sales	MU	4859 (96%)	4434 (100%)	10%	20578 (92%)	18084 (93%)	14%
2.01	Discom Losses	MU	359 (7%)	320 (7%)	12%	1676 (7%)	1416 (7%)	18%
2.02	Discom Input	MU	5218 (103%)	4754 (107%)	10%	22254 (100%)	19500 (100%)	14%
2.03	Transmission Loss	MU	144 (3%)	175 (4%)	-18%	645 (3%)	794 (4%)	-19%
4.1.11	Discom Purchases	MU	5085	4450	14%	22350	19543	14%
4.2.11	Power Purchase Cost	Rs. Cr	2277 (68%)	1986 (66%)	15%	9566 (70%)	8578 (70%)	12%
Contracted Network Capacity (MW)								
2.04	STU	MW	12843	11909	8%	12843	11909	8%
2.05	CTU	MW	1722	2182	-21%	1725	2219	-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	28%
2.08	CTU Charges	Rs. Lacs/MW/Mth	7.9	3.8	108%	4.5	3.4	35%
2.09	Distribution Charges	Rs. Lacs/MW/Mth	6.3	7.1	-11%	6.2	6.6	-7%
Network Cost (Rs. Cr)								
2.10	STU Cost	Rs Cr	203 (6%)	148 (5%)	37%	817 (6%)	592 (5%)	38%
2.11	CTU Cost	Rs Cr	137 (4%)	83 (3%)	66%	312 (2%)	297 (2%)	5%
2.12	Distribution Network Cost	Rs Cr	709 (21%)	736 (25%)	-4%	2788 (20%)	2746 (22%)	2%
2.13	O&M Cost	Rs Cr	457	512	-11%	1803	1863	-3%
2.14	HR Cost	Rs Cr	396	411	-4%	1519	1573	-3%
2.15	A&G Cost	Rs Cr	18	41	-56%	74	103	-28%
2.16	R & M Cost	Rs Cr	43	60	-28%	210	187	12%
2.17	Depreciation	Rs Cr	113	115	-2%	445	443	1%
2.18	ROCE	Rs Cr	115	69	65%	447	271	65%
2.19	Others	Rs Cr	25	40	-38%	93	169	-45%
2.20	Network Cost	Rs Cr	1049 (31%)	967 (32%)	9%	3917 (29%)	3636 (29%)	8%
Retail Supply Cost (Rs. Cr)								
2.21	B&C Cost and Supply Margin	Rs Cr	24	28	-16%	67	59	13%
2.22	Interest on Security Deposits	Rs Cr	18	17	1%	74	65	13%
2.23	Retail Supply Cost	Rs Cr	41 (1%)	46 (2%)	-10%	140 (1%)	124 (1%)	13%
Cost of Service (Rs. Cr)								
2.24	Cost of Service	Rs Cr	3367	2999	12%	13624	12338	10%
7.2.2	ERC Disallowed Debt	Rs Cr	115	0	-	3338	0	-
KPIs on Purchase basis								
2.25	Energy Cost on Purchase Basis	Rs/kWh	4.48	4.46	0%	4.28	4.39	-2%
2.26	STU Cost per Unit	Rs/kWh	0.40	0.33	20%	0.37	0.30	21%
2.27	CTU Cost per Unit	Rs/kWh	0.27	0.19	45%	0.14	0.15	-8%
4.5.3	CTU Cost Per Unit on CGS purchases	Rs/kWh	1.53	0.75	102%	0.82	0.75	9%
2.28	Distribution Network Cost per Unit	Rs/kWh	1.39	1.65	-16%	1.25	1.41	-11%
2.29	Network Cost per Unit	Rs/kWh	2.06	2.17	-5%	1.75	1.86	-6%
2.30	Retail Supply Cost per Unit	Rs/kWh	0.08	0.10	-21%	0.06	0.06	-1%
2.31	Cost of Service per Unit	Rs/kWh	6.62	6.74	-2%	6.10	6.31	-3%
KPIs on Sales basis								
2.32	Energy Cost on Sales Basis	Rs/kWh	4.69	4.48	5%	4.65	4.74	-2%

2.33	STU Cost per Unit	Rs/kWh	0.42	0.33	25%		0.40	0.33	21%
2.34	CTU Cost per Unit	Rs/kWh	0.28	0.19	51%		0.15	0.16	-8%
2.35	Distribution Network Cost per Unit	Rs/kWh	1.46	1.66	-12%		1.36	1.52	-11%
2.36	Network Cost per Unit	Rs/kWh	2.16	2.18	-1%		1.90	2.01	-5%
2.37	Retail Supply Cost per Unit	Rs/kWh	0.09	0.10	-18%		0.07	0.07	-1%
2.38	ACS	Rs/kWh	6.93	6.76	2%		6.62	6.82	-3%
2.39	ERC Disallowed Debt per Unit	Rs/kWh	0.24	0.00	-		1.62	0.00	-
AT&C Losses									
2.4	Collection η	%	80%	64%	25%		85%	71%	19%
2.41	Units Realized	MU	3737	2654	41%		17177	12571	37%
2.42	Units Unrealized	MU	1285	1789	-28%		4754	6485	-27%
2.43	AT&C Losses	%	26%	40%	-36%		22%	34%	-36%
ACS-ARR GAP									
2.44	GAP	Rs/kWh	-1.63	-1.97	-17%		-1.06	-2.60	-59%

3. Sales by Categories

3.1 Energy Sales by Category (MU)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.1.1	LT-1A	303 (6%)	278 (6%)	9%	1215 (6%)	1182 (7%)	3%
3.1.2	LT-1B	836 (17%)	801 (18%)	4%	3367 (16%)	3177 (18%)	6%
3.1.3	LT-1C	477 (10%)	445 (10%)	7%	2046 (10%)	1897 (10%)	8%
3.1.4	LT-1	1616 (33%)	1524 (34%)	6%	6628 (32%)	6256 (35%)	6%
3.1.5	LT-2	228 (5%)	210 (5%)	8%	969 (5%)	786 (4%)	23%
3.1.6	LT-3	130 (3%)	112 (3%)	17%	524 (3%)	395 (2%)	33%
3.1.7	LT-4	110 (2%)	104 (2%)	6%	465 (2%)	431 (2%)	8%
3.1.8	LT-5	1058 (22%)	1102 (25%)	-4%	4990 (24%)	5227 (29%)	-5%
3.1.9	LT-5 A (ii)	713 (15%)	845 (19%)	-16%	3605 (18%)	4154 (23%)	-13%
3.1.10	LT-5 excluding A(ii)	346 (7%)	257 (6%)	35%	1384 (7%)	1073 (6%)	29%
3.1.11	LT	3142 (65%)	3051 (69%)	3%	13576 (66%)	13095 (72%)	4%
3.1.12	HT-1	6 (0%)	5 (0%)	9%	25 (0%)	22 (0%)	10%
3.1.13	HT-2	117 (2%)	99 (2%)	19%	478 (2%)	369 (2%)	29%
3.1.14	HT-3	1352 (28%)	1035 (23%)	31%	5468 (27%)	3536 (20%)	55%
3.1.15	HT-4	181 (4%)	114 (3%)	59%	703 (3%)	436 (2%)	61%
3.1.16	HT-5	21 (0%)	64 (1%)	-66%	147 (1%)	352 (2%)	-58%
3.1.17	Rescos	40 (1%)	67 (2%)	-40%	180 (1%)	274 (2%)	-34%
3.1.18	HT	1717 (35%)	1383 (31%)	24%	7002 (34%)	4989 (28%)	40%
3.1.19	Discom Sales	4859	4434	10%	20578	18084	14%

3.2 Energy Sales by Voltage Level (MU)

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.2.1	LT	3141.52	3051.03	3%	13576	13095	4%
3.2.2	11KV	443.51	416.78	6%	1825	1594	14%
3.2.3	33KV	503.02	399.49	26%	2045	1400	46%
3.2.4	EHT	770.02	566.43	36%	3132	1995	57%
3.1.19	Discom Sales	4858.06	4433.73	10%	20578	18084	14%

3.3 Collection by Category (Rs Cr)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.3.1	LT-1A	85 (3%)	92 (4%)	-8%	332 (3%)	326 (4%)	2%
3.3.2	LT-1B	293 (11%)	275 (13%)	7%	1086 (9%)	1004 (13%)	8%
3.3.3	LT-1C	308 (12%)	302 (14%)	2%	1172 (10%)	1059 (14%)	11%
3.3.4	LT-1	687 (27%)	669 (31%)	3%	2590 (23%)	2389 (31%)	8%
3.3.5	LT-2	249 (10%)	237 (11%)	5%	1039 (9%)	834 (11%)	25%
3.3.6	LT-3	106 (4%)	104 (5%)	2%	427 (4%)	323 (4%)	32%
3.3.7	LT-4	29 (1%)	20 (1%)	45%	115 (1%)	172 (2%)	-33%
3.3.8	LT-5	327 (13%)	101 (5%)	225%	2314 (20%)	392 (5%)	490%
3.3.9	LT-5 A (ii)	255 (10%)	4 (0%)	5705%	1905 (17%)	18 (0%)	10711%
3.3.10	LT-5 excluding A(ii)	72 (3%)	96 (5%)	-25%	409 (4%)	374 (5%)	9%
3.3.11	LT	1398 (54%)	1130 (53%)	24%	6485 (57%)	4109 (54%)	58%
3.3.12	HT-1	5 (0%)	4 (0%)	15%	19 (0%)	16 (0%)	19%
3.3.13	HT-2	127 (5%)	110 (5%)	16%	528 (5%)	425 (6%)	24%
3.3.14	HT-3	924 (36%)	773 (36%)	20%	3909 (34%)	2665 (35%)	47%
3.3.15	HT-4	113 (4%)	81 (4%)	40%	467 (4%)	309 (4%)	51%
3.3.16	HT-5	3 (0%)	21 (1%)	-87%	24 (0%)	94 (1%)	-75%
3.3.17	Rescos	3 (0%)	6 (0%)	-44%	16 (0%)	16 (0%)	0%
3.3.18	HT	1175 (46%)	995 (47%)	18%	4963 (43%)	3524 (46%)	41%
3.3.19	Discom Collections	2573	2125	21%	11448	7634	50%

3.4 Bills by Category (Nos)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.4.1	LT-1A	65,26,988(37%)	51,91,067(30%)	26%	70,35,353(38%)	74,14,906(41%)	-5%
3.4.2	LT-1B	62,16,402(35%)	60,56,674(35%)	3%	63,36,383(34%)	61,05,737(34%)	4%
3.4.3	LT-1C	14,65,614(8%)	25,72,564(15%)	-43%	16,19,474(9%)	28,23,593(16%)	-43%
3.4.4	LT-1	1,42,09,004(80%)	1,38,20,305(81%)	3%	1,46,70,878(79%)	1,42,49,335(80%)	3%
3.4.5	LT-2	15,12,263(9%)	14,13,070(8%)	7%	15,95,303(9%)	15,03,336(8%)	6%
3.4.6	LT-3	80,030(0%)	78,739(0%)	2%	95,814(1%)	92,994(1%)	3%
3.4.7	LT-4	3,29,175(2%)	3,22,713(2%)	2%	3,38,393(2%)	3,30,144(2%)	2%
3.4.8	LT-5	15,28,897(9%)	14,63,067(9%)	4%	18,01,514(10%)	17,24,620(10%)	4%
3.4.9	LT-5 A (ii)	14,49,325(8%)	13,85,205(8%)	5%	17,16,621(9%)	16,39,980(9%)	5%
3.4.10	LT-5 excluding A(ii)	79,572(0%)	77,862(0%)	2%	91,691(0%)	93,039(1%)	-1%
3.4.11	LT	1,76,59,369(100%)	1,70,97,894(100%)	3%	1,85,01,501(100%)	1,78,86,473(100%)	3%
3.4.12	HT-1	108(0%)	103(0%)	5%	108(0%)	103(0%)	5%
3.4.13	HT-2	4,326(0.02%)	4,115(0.02%)	5%	4,326(0.02%)	4,128(0.02%)	5%
3.4.14	HT-3	6,188(0.04%)	5,774(0.03%)	7%	6,191(0.03%)	5,841(0.03%)	6%
3.4.15	HT-4	617(0%)	604(0%)	2%	617(0%)	608(0%)	1%
3.4.16	HT-5	706(0%)	837(0%)	-16%	706(0%)	946(0.01%)	-25%
3.4.17	Rescos	82(0%)	79(0%)	4%	82(0%)	79(0%)	4%
3.4.18	HT	12,027(0.07%)	11,512(0.07%)	4%	12,030(0.06%)	11,705(0.07%)	3%
3.4.19	Discom Bills	1,76,71,396	1,71,09,406	3%	1,85,13,531	1,78,98,178	3%

3.5 Average Revenue Realized by Category (Rs/kWh)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.5.1	LT-1A	2.81	3.32	-15%	2.73	2.76	-1%
3.5.2	LT-1B	3.51	3.44	2%	3.23	3.16	2%
3.5.3	LT-1C	6.46	6.78	-5%	5.73	5.58	3%
3.5.4	LT-1	4.25	4.39	-3%	3.91	3.82	2%
3.5.5	LT-2	10.96	11.25	-3%	10.72	10.61	1%
3.5.6	LT-3	8.19	9.33	-12%	8.15	8.18	0%
3.5.7	LT-4	2.60	1.90	37%	2.46	3.98	-38%
3.5.8	LT-5	3.09	0.91	238%	4.64	0.75	518%
3.5.9	LT-5 A (ii)	3.58	0.05	6782%	5.28	0.04	12355%
3.5.10	LT-5 excluding A(ii)	2.08	3.75	-45%	2.95	3.49	-15%
3.5.11	LT	4.45	3.71	20%	4.78	3.14	52%
3.5.12	HT-1	8.22	7.81	5%	7.51	6.94	8%
3.5.13	HT-2	10.90	11.16	-2%	11.05	11.51	-4%
3.5.14	HT-3	6.84	7.47	-9%	7.15	7.54	-5%
3.5.15	HT-4	6.26	7.12	-12%	6.64	7.10	-7%
3.5.16	HT-5	1.31	3.32	-60%	1.61	2.66	-40%
3.5.17	Rescos	0.81	0.86	-5%	0.88	0.58	52%
3.5.18	HT	6.85	7.20	-5%	7.09	7.06	0%
3.5.19	ARR	5.30	4.79	10%	5.56	4.22	32%

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

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.6.1	LT-1A	46	53	-13%	43	40	8%
3.6.2	LT-1B	135	132	2%	133	130	2%
3.6.3	LT-1C	325	173	88%	316	168	88%
3.6.4	LT-1	114	110	3%	113	110	3%

3.6.5	LT-2	151	149	1%	152	131	16%
3.6.6	LT-3	1624	1416	15%	1367	1063	29%
3.6.7	LT-4	334	321	4%	344	326	5%
3.6.8	LT-5	692	753	-8%	692	758	-9%
3.6.9	LT-5 A (ii)	492	610	-19%	525	633	-17%
3.6.10	LT-5 excluding A(ii)	4343	3299	32%	3775	2883	31%
3.6.11	LT	178	178	0%	183	183	0%
3.6.12	HT-1	55015	52795	4%	57322	54445	5%
3.6.13	HT-2	27012	23940	13%	27613	22375	23%
3.6.14	HT-3	218467	179192	22%	220815	151333	46%
3.6.15	HT-4	292980	188360	56%	285041	179162	59%
3.6.16	HT-5	30182	75895	-60%	52217	93021	-44%
3.6.17	Rescos	485292	845822	-43%	548559	865649	-37%
3.6.18	HT	142724	120111	19%	145505	106555	37%
3.6.19	AMC	275	259	6%	278	253	10%

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

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.7.1	LT-1A	131	178	-26%	118	110	7%
3.7.2	LT-1B	472	455	4%	429	411	4%
3.7.3	LT-1C	2102	1173	79%	1809	937	93%
3.7.4	LT-1	483	484	0%	441	419	5%
3.7.5	LT-2	1650	1675	-2%	1628	1387	17%
3.7.6	LT-3	13305	13205	1%	11146	8692	28%
3.7.7	LT-4	868	611	42%	847	1299	-35%
3.7.8	LT-5	2138	688	211%	3211	568	465%
3.7.9	LT-5 A (ii)	1760	32	5448%	2774	27	10228%
3.7.10	LT-5 excluding A(ii)	9028	12363	-27%	11147	10057	11%
3.7.11	LT	792	661	20%	876	574	53%
3.7.12	HT-1	452369	412477	10%	430734	378120	14%
3.7.13	HT-2	294400	267163	10%	305219	257457	19%
3.7.14	HT-3	1493235	1338657	12%	1578585	1140503	38%
3.7.15	HT-4	1834548	1341926	37%	1892729	1272452	49%
3.7.16	HT-5	39650	251861	-84%	84079	247806	-66%
3.7.17	Rescos	393747	723780	-46%	482970	502495	-4%
3.7.18	HT	977365	864296	13%	1031313	752770	37%
3.7.19	ACPB	1456	1242	17%	1546	1066	45%

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	2061 (41%)	1050 (24%)	96%	2512 (45%)	-18%	6910 (31%)	3575 (18%)	93%	10406 (47%)	-34%
4.1.2	State Hydel	233 (5%)	184 (4%)	27%	177 (3%)	32%	658 (3%)	742 (4%)	-11%	677 (3%)	-3%
4.1.3	CGS	897 (18%)	1095 (25%)	-18%	1081 (19%)	-17%	3826 (17%)	3955 (20%)	-3%	4125 (19%)	-7%
4.1.4	Gas	131 (3%)	222 (5%)	-41%	65 (1%)	101%	518 (2%)	992 (5%)	-48%	256 (1%)	103%
4.1.5	IPPs	134 (3%)	399 (9%)	-66%	114 (2%)	17%	590 (3%)	2317 (12%)	-75%	509 (2%)	16%
4.1.6	VRE-Wind	1051 (21%)	660 (15%)	59%	995 (18%)	6%	3052 (14%)	2390 (12%)	28%	3122 (14%)	-2%
4.1.7	VRE-Solar	476 (9%)	432 (10%)	10%	576 (10%)	-17%	2435 (11%)	2219 (11%)	10%	2920 (13%)	-17%
4.1.8	RE-Others	15 (0%)	21 (0%)	-31%	28 (1%)	-48%	74 (0%)	78 (0%)	-6%	103 (0%)	-28%
4.1.9	Markets	81 (2%)	387 (9%)	-79%	0 (0%)	-	4212 (19%)	3253 (17%)	30%	0 (0%)	-
4.1.10	Others	7 (0%)	0 (0%)	-	0 (0%)	-	73 (0%)	22 (0%)	235%	0 (0%)	-
4.1.11	Discom Purchases	5085	4450	14%	5549	-8%	22350	19543	14%	22117	1%

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	981 (43%)	606 (31%)	62%	1191 (55%)	-18%	3310 (35%)	2238 (26%)	48%	4898 (57%)	-32%
4.2.2	State Hydel	51 (2%)	50 (3%)	2%	51 (2%)	0%	205 (2%)	200 (2%)	2%	205 (2%)	0%
4.2.3	CGS	389 (17%)	454 (23%)	-14%	438 (20%)	-11%	1527 (16%)	1676 (20%)	-9%	1702 (20%)	-10%
4.2.4	Gas	32 (1%)	62 (3%)	-48%	16 (1%)	100%	126 (1%)	272 (3%)	-54%	63 (1%)	100%
4.2.5	IPPs	62 (3%)	158 (8%)	-61%	50 (2%)	24%	238 (2%)	933 (11%)	-74%	212 (2%)	12%
4.2.6	VRE-Wind	492 (22%)	311 (16%)	58%	242 (11%)	103%	1433 (15%)	1126 (13%)	27%	759 (9%)	89%
4.2.7	VRE-Solar	208 (9%)	200 (10%)	4%	145 (7%)	44%	1054 (11%)	1005 (12%)	5%	730 (8%)	44%
4.2.8	RE-Others	8 (0%)	11 (1%)	-23%	14 (1%)	-41%	42 (0%)	40 (0%)	4%	53 (1%)	-21%
4.2.9	Markets	41 (2%)	130 (7%)	-68%	0 (0%)	12309%	1571 (16%)	1082 (13%)	45%	1 (0%)	128546%
4.2.10	Others	12 (1%)	4 (0%)	243%	0 (0%)	-	61 (1%)	6 (0%)	926%	0 (0%)	-
4.2.11	Power Purchase Cost	2277	1986	15%	2148	6%	9566	8578	12%	8622	11%

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	278	274	1%	352	-21%	1054	1088	-3%	1407	-25%
4.3.2	State Hydel	51	50	2%	51	0%	205	200	2%	205	0%
4.3.3	CGS	129	115	12%	125	3%	451	453	0%	501	-10%
4.3.4	Gas	2	6	-73%	2	-5%	7	14	-53%	7	0%
4.3.5	IPPs	32	21	54%	23	37%	102	200	-49%	93	9%
4.3.6	Fixed Cost	491	466	5%	553	-11%	1818	1955	-7%	2213	-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	703	332	112%	840	-16%	2256	1150	96%	3490	-35%
4.4.2	CGS	260	339	-23%	313	-17%	1076	1223	-12%	1202	-10%
4.4.3	Gas	31	56	-46%	14	112%	119	258	-54%	56	111%
4.4.4	IPPs	30	137	-78%	27	13%	136	733	-81%	118	15%
4.4.5	VRE-Wind	492	311	58%	242	103%	1433	1126	27%	759	89%
4.4.6	VRE-Solar	208	200	4%	145	44%	1054	1005	5%	730	44%
4.4.7	RE-Others	8	11	-23%	14	-41%	42	40	4%	53	-21%
4.4.8	Markets	41	130	-68%	0	12309%	1571	1082	45%	1	128546%
4.4.9	Variable Cost	1774	1517	17%	1595	11%	7687	6617	16%	6410	20%

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	4.76	5.77	-17%	4.74	0%	4.79	6.26	-23%	4.71	2%
4.5.2	State Hydel	2.20	2.72	-19%	2.90	-24%	3.11	2.70	15%	3.03	3%
4.5.3	CGS	4.34	4.15	5%	4.05	7%	3.99	4.24	-6%	4.13	-3%
4.5.4	Gas	2.44	2.80	-13%	2.46	-1%	2.43	2.74	-12%	2.46	-1%
4.5.5	IPPs	4.63	3.96	17%	4.37	6%	4.03	4.03	0%	4.16	-3%
4.5.6	VRE-Wind	4.68	4.72	-1%	2.43	93%	4.69	4.71	0%	2.43	93%
4.5.7	VRE-Solar	4.38	4.63	-5%	2.52	74%	4.33	4.53	-4%	2.50	73%
4.5.8	RE-Others	5.79	5.22	11%	5.14	13%	5.64	5.13	10%	5.14	10%
4.5.9	Markets	5.14	3.36	53%	0.00	-	3.73	3.33	12%	0.00	-
4.5.10	Others	17.45	0.00	-	0.00	-	8.34	2.72	207%	0.00	-
4.5.11	Weighted Average	4.48	4.46	0%	3.87	16%	4.28	4.39	-2%	3.90	10%

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	1.35	2.61	-48%	1.40	-4%	1.53	3.04	-50%	1.35	13%
4.6.2	State Hydel	2.20	2.72	-19%	2.90	-24%	3.11	2.70	15%	3.03	3%
4.6.3	CGS	1.44	1.05	37%	1.16	24%	1.18	1.15	3%	1.21	-3%
4.6.4	Gas	0.12	0.26	-54%	0.26	-53%	0.13	0.14	-10%	0.26	-51%
4.6.5	IPPs	2.38	0.52	357%	2.04	17%	1.72	0.86	99%	1.83	-6%
4.6.6	Average FC	0.99	1.05	-6%	1.00	-1%	0.84	1.00	-16%	1.00	-16%

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	3.41	3.16	8%	3.34	2%	3.26	3.22	1%	3.35	-3%
4.7.2	CGS	2.90	3.09	-6%	2.89	0%	2.81	3.09	-9%	2.91	-3%
4.7.3	Gas	2.32	2.54	-9%	2.20	6%	2.30	2.60	-12%	2.20	4%
4.7.4	IPPs	2.25	3.44	-35%	2.33	-3%	2.31	3.16	-27%	2.33	-1%
4.7.5	VRE-Wind	4.68	4.72	-1%	2.43	93%	4.69	4.71	0%	2.43	93%
4.7.6	VRE-Solar	4.38	4.63	-5%	2.52	74%	4.33	4.53	-4%	2.50	73%
4.7.7	RE-Others	5.79	5.22	11%	5.14	13%	5.64	5.13	10%	5.14	10%
4.7.8	Markets	5.14	3.36	53%	0.00	-	3.73	3.33	12%	0.00	-
4.7.9	Average VC	3.49	3.41	2%	2.87	21%	3.44	3.39	2%	2.90	19%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.8.1	LT	1472	1367	8%	6311	6211	2%
4.8.2	11KV	208	187	11%	848	756	12%
4.8.3	33KV	236	179	32%	951	664	43%
4.8.4	EHT	361	254	42%	1456	946	54%
4.2.11	Power Purchase Cost	2277	1986	15%	9566	8578	12%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.9.1	LT	678	665	2%	2584	2633	-2%
4.9.2	11KV	96	91	5%	347	321	8%
4.9.3	33KV	109	87	25%	389	281	38%
4.9.4	EHT	166	124	35%	596	401	49%
2.20	Network Cost	1049	967	9%	3917	3636	8%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.10.1	LT	27	32	-15%	93	90	3%
4.10.2	11KV	4	4	-12%	12	11	13%
4.10.3	33KV	4	4	4%	14	10	45%
4.10.4	EHT	7	6	12%	21	14	56%
2.23	Retail Supply Cost	41	46	-10%	140	124	13%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.11.1	LT	2178	2063	6%	8988	8934	1%
4.11.2	11KV	307	282	9%	1208	1088	11%
4.11.3	33KV	349	270	29%	1354	955	42%
4.11.4	EHT	534	383	39%	2073	1361	52%
2.24	Cost of Service	3367	2999	12%	13624	12338	10%

4.12 Losses by Voltage (MU)

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.12.1	LT	98	78	1%	412	402	1%
4.12.2	11KV	116	96	10%	559	453	10%
4.12.3	33KV	145	146	36%	705	561	36%
4.12.4	EHT	144	175	-8%	645	794	-8%
4.12.5	Loss	504	496	9%	2321	2210	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	2230	2100	6%	9206	9087	1%
4.13.2	11KV	305	280	9%	1201	1073	12%
4.13.3	33KV	336	261	29%	1300	915	42%
4.13.4	EHT	497	357	39%	1917	1262	52%
2.24	Cost of Service	3367	2999	12%	13624	12338	10%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.14.1	LT	7.1	6.9	3%	6.8	6.9	-2%
4.14.2	11KV	6.9	6.7	3%	6.6	6.7	-2%
4.14.3	33KV	6.7	6.5	2%	6.4	6.5	-3%
4.14.4	EHT	6.5	6.3	2%	6.1	6.3	-3%
2.37	ACS	6.9	6.8	2%	6.6	6.8	-3%

5. Receivables

5.1 Income Estimates (Rs Cr)

#	Item	Q1	Q2	Q3	Q4	FY22
5.1.1	Subsidy	2267	2249	2237	2234	8987
5.1.2	Agriculture Subsidy	1824	1824	1824	1824	7297
5.1.3	Aquaculture Subsidy	256	228	208	212	904
5.1.4	SC Colonies Subsidy	125	133	138	133	530
5.1.5	ST Thandas Subsidy	25	26	27	26	104
5.1.6	Other Subsidy	36	38	39	39	152
5.1.7	Govt Agencies	1139	1220	1186	1121	4666
5.1.8	Panchayats	328	346	333	323	1330
5.1.9	WR Dept	334	350	351	304	1339
5.1.10	ULB	139	158	129	125	551
5.1.11	Other Govt Dept	338	366	373	369	1446
5.1.12	Govt serviced debt	361	133	24	15	532
5.1.13	UDAY Receivables	0	0	0	0	0
5.1.14	Private Customers Receivables	6758	6722	6524	6253	26258
5.1.15	Total	10525	10325	9971	9623	40443
5.1.16	Opex Loans	4819	596	0	0	5415
5.1.17	Capex Loans	170	20	0	0	190

5.2 Receivables during Month (Rs Cr)

#	Item	ERC-BE	DEMAND	COLLECTIONS		BALANCE	% ↑	% Δ ERC
				CY	PY			
5.2.1	Subsidy	736	739	250	0	489	-	-66%
5.2.2	Agriculture Subsidy	608	608	250	0	358	-	-59%
5.2.3	Aquaculture Subsidy	77	80	0	0	80	-	-100%
5.2.4	SC Colonies Subsidy	42	42	0	0	42	-	-100%
5.2.5	ST Thandas Subsidy	8	8	0	0	8	-	-100%
5.2.6	Other Subsidy	1	1	0	0	1	-	-100%
5.2.7	Govt Agencies	365	344	115	94	230	22%	-69%
5.2.8	Panchayats	103	111	12	4	99	168%	-89%
5.2.9	WR Dept	97	62	0	3	61	-92%	-100%
5.2.10	ULB	41	68	11	9	57	25%	-74%
5.2.11	Other Govt Dept	124	104	92	77	12	19%	-26%
5.2.12	Govt serviced debt	0	108	75	46	33	63%	-
5.2.13	UDAY Receivables	0	0	0	0	0	-	-
5.2.14	Private Customers Receivables	2245	2192	2209	2032	-18	9%	-2%
5.2.15	Total	3346	3383	2649	2172	734	22%	-21%
5.2.16	Opex Loans	0	596	596	460	0	30%	-
5.2.17	Capex Loans	0	20	20	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	2944	2971	1957	0	15047	6174	-	-34%
5.3.2	Agriculture Subsidy	12127	2432	2432	1885	0	12674	4787	-	-22%
5.3.3	Aquaculture Subsidy	1176	309	335	72	0	1439	864	-	-77%
5.3.4	SC Colonies Subsidy	552	166	167	0	0	719	371	-	-100%
5.3.5	ST Thandas Subsidy	167	31	34	0	0	201	141	-	-100%
5.3.6	Other Subsidy	12	5	3	0	0	15	11	-	-100%
5.3.7	Govt Agencies	8109	1460	1357	480	507	8985	6612	-5%	-67%
5.3.8	Panchayats	3710	411	441	68	80	4083	3166	-15%	-83%
5.3.9	WR Dept	3728	388	385	10	23	4104	2882	-56%	-97%

5.3.10	ULB	441	165	197	51	94	587	346	-46%	-69%
5.3.11	Other Govt Dept	229	495	334	351	311	212	218	13%	-29%
5.3.12	Govt serviced debt	220	0	574	289	170	505	0	70%	-
5.3.13	UDAY Receivables	3475	0	0	0	0	3475	0	-	-
5.3.14	Private Customers Receivables	3059	8902	9345	9010	7129	3394	2560	26%	1%
5.3.15	Total	28897	13306	14246	11737	7806	31406	15346	50%	-12%
5.3.16	Opex Loans	0	0	5415	5415	2091	0	0	159%	-
5.3.17	Capex Loans	0	0	190	190	238	0	0	-20%	-

6. Payables

6.1 Expenditure for FY22 (Rs Cr)

#	Item	Q1	Q2	Q3	Q4	FY22
6.1.1	PP Cost	9101	6446	6628	6849	29024
6.1.2	State Thermal	2765	3268	3618	3938	13590
6.1.3	State Hydel	221	154	154	154	682
6.1.4	CGS	1406	1287	1432	1427	5552
6.1.5	IPPs Gas	131	78	69	67	344
6.1.6	IPPs Thermal	217	172	166	166	721
6.1.7	VRE- Wind	1130	890	348	330	2698
6.1.8	VRE- Solar	1208	505	427	529	2669
6.1.9	RE-Others	38	38	77	88	240
6.1.10	Market	1936	42	338	150	2466
6.1.11	Other	50	12	0	0	62
6.1.12	Wind @ interim rate	399	654	348	330	1731
6.1.13	Solar @ interim rate	325	413	427	529	1694
6.1.14	CTU Cost	175	386	374	374	1309
6.1.15	STU Cost	614	600	600	600	2414
6.1.16	Distribution Cost	1901	1908	1869	1872	7550
6.1.17	O&M Cost	1368	1418	1441	1444	5670
6.1.18	HR Cost	1127	1192	1186	1189	4694
6.1.19	A&G Cost	79	82	93	94	348
6.1.20	R&M Cost	162	144	161	161	628
6.1.21	Depreciation	343	357	354	354	1408
6.1.22	ROCE	304	374	390	390	1457
6.1.23	Others	189	133	75	75	472
6.1.24	Cost of Service	11790	9340	9471	9696	40297
7.1.1	Capex Debt service (P+I)	357	334	365	360	1415
7.1.2	Opex Debt service (P+I)	2428	1525	1288	1173	6414

6.2 Payables during the Month (Rs Cr)

#	Item	ERC-BE	EXPENDITURE	PAID		BALANCE	% ↑	% δ ERC
				CY	PY			
6.2.1	PP Cost	2148	2277	2913	3657	-636	-20%	36%
6.2.2	State Thermal	1191	981	1699	1005	-718	69%	43%
6.2.3	State Hydel	51	51	51	51	0	0%	0%
6.2.4	CGS	438	389	993	1630	-605	-39%	127%
6.2.5	IPPs Gas	16	32	33	30	-1	8%	104%
6.2.6	IPPs Thermal	50	62	69	243	-7	-72%	38%
6.2.7	VRE- Wind	242	492	4	366	488	-99%	-98%
6.2.8	VRE- Solar	145	208	19	109	189	-82%	-87%
6.2.9	RE-Others	14	8	2	65	7	-97%	-87%
6.2.10	Market	0	41	43	157	-1	-73%	12715%
6.2.11	Other	0	12	0	0	12	-	0%
6.2.12	Wind @ interim rate	242	255	4	366	251	-99%	-98%
6.2.13	Solar @ interim rate	145	116	19	109	97	-82%	-87%
6.2.14	CTU Cost	125	137	141	280	-4	-50%	13%
6.2.15	STU Cost	204	203	148	116	55	28%	-27%
6.2.16	Distribution Cost	722	749	522	437	227	20%	-28%
6.2.17	O&M Cost	476	457	457	391	0	17%	-4%
6.2.18	HR Cost	386	395	395	302	0	31%	2%
6.2.19	A&G Cost	29	18	18	41	0	-55%	-38%
6.2.20	R&M Cost	60	43	43	48	0	-10%	-29%
6.2.21	Depreciation	109	113	0	0	113	-	-100%
6.2.22	ROCE	130	115	0	0	115	-	-100%

6.2.23	Others	7	66	66	46	0	44%	817%
6.2.24	Cost of Service	3199	3367	3724	4490	-358	-17%	16%
7.2.1	Capex Debt service (P+I)	144	118	118	0	0	-	-18%
7.2.2	Opex Debt service (P+I)	0	384	115	0	269	-	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	8622	9566	11186	8796	11707	8324	27%	30%
6.3.2	State Thermal	4748	4898	3310	4748	2976	3310	4305	60%	-3%
6.3.3	State Hydel	130	205	205	205	202	130	130	2%	0%
6.3.4	CGS	2137	1702	1527	3150	2437	515	97	29%	85%
6.3.5	IPPs Gas	93	63	126	144	282	75	47	-49%	128%
6.3.6	IPPs Thermal	661	212	238	282	1053	617	379	-73%	33%
6.3.7	VRE- Wind	3847	759	1433	814	368	4466	2324	121%	7%
6.3.8	VRE- Solar	1640	730	1054	258	121	2436	1042	114%	-65%
6.3.9	RE-Others	99	53	42	66	94	74	0	-30%	25%
6.3.10	Market	-29	1	1571	1457	969	85	0	50%	118987%
6.3.11	Other	0	0	61	63	295	-2	0	-79%	-
6.3.12	Wind @ interim rate	251	759	742	758	368	235	0	106%	0%
6.3.13	Solar @ interim rate	108	730	595	258	121	445	0	114%	-65%
6.3.14	CTU Cost	127	499	312	402	297	37	312	35%	-19%
6.3.15	STU Cost	1642	815	817	665	274	1794	0	143%	-18%
6.3.16	Distribution Cost	0	3025	2927	2035	1886	891	0	8%	-33%
6.3.17	O&M Cost	0	1904	1828	1828	1694	0	0	8%	-4%
6.3.18	HR Cost	0	1545	1520	1519	1416	0	0	7%	-2%
6.3.19	A&G Cost	0	118	98	99	109	0	0	-9%	-16%
6.3.20	R&M Cost	0	241	210	210	170	0	0	23%	-13%
6.3.21	Depreciation	0	435	444	0	0	444	0	-	-100%
6.3.22	ROCE	0	521	447	0	0	447	0	-	-100%
6.3.23	Others	0	165	208	208	192	0	0	8%	26%
6.3.24	Cost of Service	15096	12961	13622	14288	11253	14430	8636	27%	10%
7.3.1	Capex Debt service (P+I)	0	575	475	475	0	0	0	-	-17%
7.3.2	Opex Debt service (P+I)	1000	0	2606	3338	0	269	0	-	-

7. Debt Servicing

7.1 Debt Servicing Schedule (Rs Cr)

#	Item	Q1	Q2	Q3	Q4	FY22
7.1.1	ERC allowed-Capex Debt	357	334	365	360	1415
7.1.2	ERC disallowable-Opex Debt	2428	1525	1288	1173	6414
7.1.3	Debt Servicing	2785	1859	1653	1533	7830

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	118	118	0	0	0%	-18%
7.2.2	ERC disallowable-Opex Debt	0	384	115	0	269	0%	0%
7.2.3	Debt Servicing	144	502	233	0	269	0%	62%

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	575	475	475	0	0	0	0%	-17%
7.3.2	ERC disallowable-Opex Debt	1000	0	2606	3338	0	0	0	0%	0%
7.3.3	Debt Servicing	1000	575	3081	3812	0	0	0	0%	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	5151	5092	1%	5754	3903	47%	10905	8995	21%
7.4.2	PFC	474	480	-1%	5240	4665	12%	5714	5144	11%
7.4.3	APPFCL	0	0	-	10337	9295	11%	10337	9295	11%
7.4.4	BANKS	1652	1720	-4%	813	1218	-33%	2464	2938	-16%
7.4.5	IREDA	0	0	-	1075	1388	-23%	1075	1388	-23%
7.4.6	ICD	0	0	-	608	663	-8%	608	663	-8%
7.4.7	PTC	0	0	-	144	164	-12%	144	164	-12%
7.4.8	GOAP	0	0	-	0	0	-	0	0	-
7.4.9	OTHERS	690	690	0%	5631	5631	0%	6321	6321	0%
7.4.10	Debt Outstanding	7966	7981	0%	29601	26926	10%	37567	34907	8%

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