

Andhra Pradesh Electricity Distribution Companies Monthly Report on Key Performance Indicators October- 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	4343 (83%)	3795 (87%)	14%	29972 (83%)	25134 (81%)	19%
3.1.9	Agl Consumption	MU	897 (17%)	547 (13%)	64%	6024 (17%)	5999 (19%)	0%
3.1.19	Discom Sales	MU	5240	4341	21%	35996	31133	16%
1.02	Private Sales	MU	3905 (75%)	3348 (77%)	17%	25779 (72%)	21473 (69%)	20%
1.03	Government Sales	MU	605 (12%)	433 (10%)	40%	3385 (9%)	2626 (8%)	29%
1.04	Government Subsidy	MU	730 (14%)	561 (13%)	30%	6832 (19%)	7034 (23%)	-3%
Collection (Rs. Cr)								
1.05	Opening Debtors	Rs Cr	13238	10815	22%	11658	8899	31%
5.2.14	Pvt Sales	Rs Cr	2538	1922	32%	16222	12987	25%
5.2.7	Gov Sales	Rs Cr	385	125	209%	1118	877	28%
5.2.1	Gov Subsidy	Rs Cr	708	208	241%	4679	1108	322%
1.06	Others	Rs Cr	0	0	-	0	0	-
3.3.19	Discom Collections	Rs Cr	3631	2254	61%	22020	14971	47%
1.07	Metered Sales	Rs Cr	2919	2042	43%	17380	13829	26%
3.3.10	Agl Consumption	Rs Cr	712	212	235%	4638	1140	307%
1.08	Revenue from Sale	Rs Cr	3499	3678	-5%	25096	22068	14%
1.09	Adj Revenue from Sale	Rs Cr	3534	3066	15%	25040	18903	32%
1.10	Closing Debtors	Rs Cr	13371	11142	20%	13371	11142	20%
1.11	Adj Closing Debtors	Rs Cr	13371	11142	20%	13371	11142	20%
KPIs								
3.5.19	ARR	Rs/kWh	6.93	5.19	33%	6.12	4.81	27%
3.6.19	AMC	kWh/bill/Mth	294	252	17%	276	247	12%
3.7.19	ACPB	Rs/bill/Mth	2039	1307	56%	1689	1187	42%

2. Purchases

#	Item	Units	Month			YTD		
			CY	PY	% ↑	CY	PY	% ↑
Power Purchase								
3.1.19	Discom Sales	MU	5240 (80%)	4341 (92%)	21%	35996 (88%)	31133 (107%)	16%
2.01	Discom Losses	MU	502 (8%)	320 (7%)	57%	2969 (7%)	2467 (8%)	20%
2.02	Discom Input	MU	5742 (88%)	4661 (99%)	23%	38965 (96%)	33599 (116%)	16%
2.03	Transmission Loss	MU	165 (3%)	189 (4%)	-13%	1129 (3%)	1335 (5%)	-15%
4.1.11	Discom Purchases	MU	6532	4703	39%	40682	29043	20%
4.2.11	Power Purchase Cost	Rs. Cr	3171 (74%)	1796 (64%)	77%	17839 (72%)	12472 (64%)	43%
Contracted Network Capacity (MW)								
2.04	STU	MW	12843	11909	8%	12843	11909	8%
2.05	CTU	MW	1850	2185	-15%	1857	2228	-17%
2.06	Distribution	MW	11334	10365	9%	11334	10365	9%
Capacity Charges								
2.07	STU Charges	Rs. Lacs/MW/Mth	1.6	1.5	7%	1.6	1.3	25%
2.08	CTU Charges	Rs. Lacs/MW/Mth	3.0	5.2	-42%	3.6	3.7	-3%
2.09	Distribution Charges	Rs. Lacs/MW/Mth	7.2	6.8	6%	6.1	7.0	-13%
Network Cost (Rs. Cr)								
2.10	STU Cost	Rs Cr	203 (5%)	173 (6%)	17%	1426 (6%)	1061 (5%)	34%
2.11	CTU Cost	Rs Cr	56 (1%)	113 (4%)	-50%	470 (2%)	579 (3%)	-19%
2.12	Distribution Network Cost	Rs Cr	818 (19%)	703 (25%)	16%	4821 (19%)	5060 (26%)	-4%
2.13	O&M Cost	Rs Cr	559	472	18%	3095	3496	-11%
2.14	HR Cost	Rs Cr	490	408	20%	2599	3004	-13%
2.15	A&G Cost	Rs Cr	16	17	-9%	131	158	-17%
2.16	R & M Cost	Rs Cr	53	47	14%	364	334	9%
2.17	Depreciation	Rs Cr	109	112	-3%	792	768	3%
2.18	ROCE	Rs Cr	109	77	41%	724	492	47%
2.19	Others	Rs Cr	42	42	-1%	210	304	-31%
2.20	Network Cost	Rs Cr	1078 (25%)	989 (35%)	9%	6850 (27%)	6700 (34%)	2%
Retail Supply Cost (Rs. Cr)								
2.21	B&C Cost and Supply Margin	Rs Cr	13	20	-34%	126	141	-11%
2.22	Interest on Security Deposits	Rs Cr	17	16	2%	126	117	8%
2.23	Retail Supply Cost	Rs Cr	30 (1%)	36 (1%)	-17%	252 (1%)	258 (1%)	-2%
Cost of Service (Rs. Cr)								
2.24	Cost of Service	Rs Cr	4279	2821	52%	24941	19430	28%
7.2.2	ERC Disallowed Debt	Rs Cr	1952	1540	27%	6971	0	-
KPIs on Purchase basis								
2.25	Energy Cost on Purchase Basis	Rs/kWh	4.85	3.82	27%	4.38	4.29	2%
2.26	STU Cost per Unit	Rs/kWh	0.31	0.37	-15%	0.35	0.37	-4%
2.27	CTU Cost per Unit	Rs/kWh	0.09	0.24	-64%	0.12	0.20	-42%
4.5.3	CTU Cost Per Unit on CGS purchases	Rs/kWh	0.53	1.13	-53%	0.64	0.98	-34%
2.28	Distribution Network Cost per Unit	Rs/kWh	1.25	1.49	-16%	1.19	1.74	-32%
2.29	Network Cost per Unit	Rs/kWh	1.65	2.04	-19%	1.68	2.31	-27%
2.30	Retail Supply Cost per Unit	Rs/kWh	0.05	0.08	-41%	0.06	0.09	-30%
2.31	Cost of Service per Unit	Rs/kWh	6.55	6.00	9%	6.13	6.69	-8%
KPIs on Sales basis								
2.32	Energy Cost on Sales Basis	Rs/kWh	6.05	4.14	46%	4.96	4.01	24%

2.33	STU Cost per Unit	Rs/kWh	0.39	0.33	18%		0.40	0.34	16%
2.34	CTU Cost per Unit	Rs/kWh	0.11	0.26	-59%		0.13	0.19	-30%
2.35	Distribution Network Cost per Unit	Rs/kWh	1.56	1.62	-4%		1.34	1.63	-18%
2.36	Network Cost per Unit	Rs/kWh	2.06	2.28	-10%		1.90	2.15	-12%
2.37	Retail Supply Cost per Unit	Rs/kWh	0.06	0.08	-32%		0.07	0.08	-16%
2.38	ACS	Rs/kWh	8.17	6.50	26%		6.93	6.24	11%
2.39	ERC Disallowed Debt per Unit	Rs/kWh	3.73	3.55	5%		1.94	0.00	-
AT&C Losses									
2.40	Collection η	%	97%	74%	31%		93%	75%	23%
2.41	Units Realized	MU	4959	3243	53%		33253	23216	43%
2.42	Units Unrealized	MU	632	1439	-56%		5474	10002	-45%
2.43	AT&C Losses	%	11%	31%	-63%		14%	30%	-53%
ACS-ARR GAP									
2.44	GAP	Rs/kWh	-1.24	-1.31	-5%		-0.81	-1.43	-43%

3. Sales by Categories

3.1 Energy Sales by Category (MU)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.1.1	LT-1A	309 (6%)	328 (8%)	-6%	2136 (6%)	2068 (7%)	3%
3.1.2	LT-1B	836 (16%)	774 (18%)	8%	5916 (16%)	5634 (18%)	5%
3.1.3	LT-1C	355 (7%)	339 (8%)	4%	3223 (9%)	3005 (10%)	7%
3.1.4	LT-1	1500 (29%)	1442 (33%)	4%	11275 (31%)	10707 (34%)	5%
3.1.5	LT-2	261 (5%)	213 (5%)	23%	1758 (5%)	1392 (4%)	26%
3.1.6	LT-3	118 (2%)	109 (3%)	9%	904 (3%)	742 (2%)	22%
3.1.7	LT-4	117 (2%)	101 (2%)	16%	815 (2%)	740 (2%)	10%
3.1.8	LT-5	1219 (23%)	839 (19%)	45%	8401 (23%)	7936 (25%)	6%
3.1.9	LT-5 A (ii)	897 (17%)	547 (13%)	64%	6024 (17%)	5999 (19%)	0%
3.1.10	LT-5 excluding A(ii)	321 (6%)	293 (7%)	10%	2377 (7%)	1938 (6%)	23%
3.1.11	LT	3215 (61%)	2703 (62%)	19%	23153 (64%)	21517 (69%)	8%
3.1.12	HT-1	5 (0%)	5 (0%)	-2%	41 (0%)	39 (0%)	5%
3.1.13	HT-2	140 (3%)	100 (2%)	40%	876 (2%)	665 (2%)	32%
3.1.14	HT-3	1456 (28%)	1137 (26%)	28%	9772 (27%)	6818 (22%)	43%
3.1.15	HT-4	194 (4%)	113 (3%)	72%	1281 (4%)	760 (2%)	69%
3.1.16	HT-5	194 (4%)	222 (5%)	-12%	580 (2%)	856 (3%)	-32%
3.1.17	Rescos	35 (1%)	61 (1%)	-43%	292 (1%)	478 (2%)	-39%
3.1.18	HT	2025 (39%)	1638 (38%)	24%	12843 (36%)	9616 (31%)	34%
3.1.19	Discom Sales	5240	4341	21%	35996	31133	16%

3.2 Energy Sales by Voltage Level (MU)

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.2.1	LT	3209	2704	19%	23134	21518	8%
3.2.2	11KV	467	426	10%	3195	2888	11%
3.2.3	33KV	544	458	19%	3684	2723	35%
3.2.4	EHT	1020	753	35%	5984	4004	49%
3.1.19	Discom Sales	5240	4341	21%	35996	31133	16%

3.3 Collection by Category (Rs Cr)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.3.1	LT-1A	110 (3%)	92 (4%)	19%	627 (3%)	579 (4%)	8%
3.3.2	LT-1B	352 (10%)	262 (12%)	35%	2061 (9%)	1831 (12%)	13%
3.3.3	LT-1C	256 (7%)	189 (8%)	35%	1938 (9%)	1723 (12%)	12%
3.3.4	LT-1	718 (20%)	543 (24%)	32%	4626 (21%)	4132 (28%)	12%
3.3.5	LT-2	312 (9%)	230 (10%)	36%	1918 (9%)	1530 (10%)	25%
3.3.6	LT-3	110 (3%)	101 (4%)	10%	754 (3%)	618 (4%)	22%
3.3.7	LT-4	227 (6%)	23 (1%)	882%	388 (2%)	272 (2%)	43%
3.3.8	LT-5	831 (23%)	305 (14%)	173%	5314 (24%)	1793 (12%)	196%
3.3.9	LT-5 A (ii)	712 (20%)	212 (9%)	235%	4638 (21%)	1140 (8%)	307%
3.3.10	LT-5 excluding A(ii)	119 (3%)	93 (4%)	29%	676 (3%)	653 (4%)	4%
3.3.11	LT	2198 (61%)	1201 (53%)	83%	13000 (59%)	8345 (56%)	56%
3.3.12	HT-1	5 (0%)	5 (0%)	-1%	32 (0%)	28 (0%)	17%
3.3.13	HT-2	175 (5%)	114 (5%)	53%	985 (4%)	768 (5%)	28%
3.3.14	HT-3	1061 (29%)	823 (37%)	29%	7029 (32%)	5113 (34%)	37%
3.3.15	HT-4	161 (4%)	80 (4%)	101%	891 (4%)	536 (4%)	66%
3.3.16	HT-5	25 (1%)	26 (1%)	-2%	55 (0%)	148 (1%)	-63%
3.3.17	Rescos	7 (0%)	5 (0%)	35%	24 (0%)	31 (0%)	-22%
3.3.18	HT	1434 (39%)	1053 (47%)	36%	9018 (41%)	6624 (44%)	36%
3.3.19	Discom Collections	3631	2254	61%	22018	14969	47%

3.4 Bills by Category (Nos)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.4.1	LT-1A	66,13,308(37%)	64,57,988(37%)	2%	70,54,099(38%)	74,14,906(41%)	-5%
3.4.2	LT-1B	64,66,221(36%)	61,63,759(36%)	5%	65,98,186(35%)	64,13,581(36%)	3%
3.4.3	LT-1C	12,23,784(7%)	13,00,637(8%)	-6%	16,25,947(9%)	28,23,593(16%)	-42%
3.4.4	LT-1	1,43,03,313(80%)	1,39,22,384(81%)	3%	1,47,36,911(79%)	1,43,25,313(80%)	3%
3.4.5	LT-2	15,31,439(9%)	14,29,164(8%)	7%	16,10,381(9%)	15,13,158(8%)	6%
3.4.6	LT-3	79,932(0%)	77,904(0%)	3%	95,814(1%)	93,005(1%)	3%
3.4.7	LT-4	3,36,667(2%)	3,24,451(2%)	4%	3,45,999(2%)	3,31,045(2%)	5%
3.4.8	LT-5	15,41,828(9%)	14,76,528(9%)	4%	18,17,969(10%)	17,43,761(10%)	4%
3.4.9	LT-5 A (ii)	14,55,419(8%)	13,98,118(8%)	4%	17,30,524(9%)	16,57,155(9%)	4%
3.4.10	LT-5 excluding A(ii)	86,409(0%)	78,410(0%)	10%	93,173(1%)	93,039(1%)	0%
3.4.11	LT	1,77,93,179(100%)	1,72,30,431(100%)	3%	1,86,06,330(100%)	1,80,05,481(100%)	3%
3.4.12	HT-1	110(0%)	104(0%)	6%	110(0%)	105(0%)	5%
3.4.13	HT-2	4,400(0.02%)	4,141(0.02%)	6%	4,400(0.02%)	4,146(0.02%)	6%
3.4.14	HT-3	6,290(0.04%)	5,800(0.03%)	8%	6,290(0.03%)	5,868(0.03%)	7%
3.4.15	HT-4	619(0%)	606(0%)	2%	620(0%)	611(0%)	1%
3.4.16	HT-5	710(0%)	843(0%)	-16%	712(0%)	950(0.01%)	-25%
3.4.17	Rescos	82(0%)	81(0%)	1%	82(0%)	81(0%)	1%
3.4.18	HT	12,211(0.07%)	11,575(0.07%)	5%	12,214(0.07%)	11,761(0.07%)	4%
3.4.19	Discom Bills	1,78,05,390	1,72,42,006	3%	1,86,18,544	1,80,17,242	3%

3.5 Average Revenue Realized by Category (Rs/kWh)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.5.1	LT-1A	3.57	2.81	27%	2.94	2.80	5%
3.5.2	LT-1B	4.21	3.38	25%	3.48	3.25	7%
3.5.3	LT-1C	7.22	5.58	29%	6.01	5.73	5%
3.5.4	LT-1	4.79	3.77	27%	4.10	3.86	6%
3.5.5	LT-2	11.94	10.80	11%	10.91	10.99	-1%
3.5.6	LT-3	9.32	9.24	1%	8.34	8.33	0%
3.5.7	LT-4	19.30	2.29	743%	4.76	3.68	29%
3.5.8	LT-5	6.82	3.63	88%	6.33	2.26	180%
3.5.9	LT-5 A (ii)	7.93	3.88	104%	7.70	1.90	305%
3.5.10	LT-5 excluding A(ii)	3.71	3.16	17%	2.84	3.37	-16%
3.5.11	LT	6.84	4.44	54%	5.61	3.88	45%
3.5.12	HT-1	8.63	8.59	1%	7.96	7.13	12%
3.5.13	HT-2	12.46	11.39	9%	11.25	11.54	-3%
3.5.14	HT-3	7.29	7.24	1%	7.19	7.50	-4%
3.5.15	HT-4	8.29	7.09	17%	6.96	7.06	-1%
3.5.16	HT-5	1.29	1.16	11%	0.95	1.73	-45%
3.5.17	Rescos	2.04	0.86	137%	0.83	0.65	28%
3.5.18	HT	7.08	6.43	10%	7.02	6.89	2%
3.5.19	ARR	6.93	5.19	33%	6.12	4.81	27%

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

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.6.1	LT-1A	47	51	-8%	43	40	9%
3.6.2	LT-1B	129	126	3%	128	125	2%
3.6.3	LT-1C	290	261	11%	283	152	86%
3.6.4	LT-1	105	104	1%	109	107	2%
3.6.5	LT-2	170	149	14%	156	131	19%

3.6.6	LT-3	1479	1398	6%	1348	1140	18%
3.6.7	LT-4	349	311	12%	337	319	5%
3.6.8	LT-5	790	568	39%	660	650	2%
3.6.9	LT-5 A (ii)	617	391	58%	497	517	-4%
3.6.10	LT-5 excluding A(ii)	3718	3731	0%	3644	2975	22%
3.6.11	LT	181	157	15%	178	171	4%
3.6.12	HT-1	48545	52404	-7%	52997	52864	0%
3.6.13	HT-2	31857	24233	31%	28438	22927	24%
3.6.14	HT-3	231555	196028	18%	221946	165989	34%
3.6.15	HT-4	313425	185957	69%	295272	177578	66%
3.6.16	HT-5	273592	262823	4%	116359	128710	-10%
3.6.17	Rescos	424268	752840	-44%	509508	842681	-40%
3.6.18	HT	165837	141511	17%	150213	116798	29%
3.6.19	AMC	294	252	17%	276	247	12%

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

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.7.1	LT-1A	167	143	17%	127	111	14%
3.7.2	LT-1B	545	424	28%	446	408	9%
3.7.3	LT-1C	2093	1457	44%	1703	872	95%
3.7.4	LT-1	502	390	29%	448	412	9%
3.7.5	LT-2	2034	1607	27%	1702	1444	18%
3.7.6	LT-3	13793	12917	7%	11249	9499	18%
3.7.7	LT-4	6729	711	846%	1602	1174	36%
3.7.8	LT-5	5389	2064	161%	4176	1469	184%
3.7.9	LT-5 A (ii)	4890	1518	222%	3829	983	290%
3.7.10	LT-5 excluding A(ii)	13783	11797	17%	10365	10027	3%
3.7.11	LT	1235	697	77%	998	662	51%
3.7.12	HT-1	419091	450000	-7%	421918	376987	12%
3.7.13	HT-2	397068	276093	44%	319916	264607	21%
3.7.14	HT-3	1687281	1419052	19%	1596477	1244729	28%
3.7.15	HT-4	2597577	1318812	97%	2053722	1253403	64%
3.7.16	HT-5	352676	304033	16%	110682	222315	-50%
3.7.17	Rescos	864634	648148	33%	423196	548128	-23%
3.7.18	HT	1173974	909598	29%	1054748	804536	31%
3.7.19	ACPB	2039	1307	56%	1689	1187	42%

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	1771 (27%)	1217 (26%)	45%	2553 (45%)	-31%	12000 (29%)	6131 (21%)	96%	17694 (45%)	-32%
4.1.2	State Hydrel	718 (11%)	649 (14%)	11%	359 (6%)	100%	2317 (6%)	1794 (6%)	29%	1889 (5%)	23%
4.1.3	CGS	1065 (16%)	1000 (21%)	6%	1194 (21%)	-11%	7314 (18%)	5931 (20%)	23%	7543 (19%)	-3%
4.1.4	Gas	85 (1%)	157 (3%)	-46%	97 (2%)	-13%	831 (2%)	1306 (4%)	-36%	545 (1%)	52%
4.1.5	IPPs	153 (2%)	160 (3%)	-4%	137 (2%)	12%	1043 (3%)	2586 (9%)	-60%	920 (2%)	13%
4.1.6	VRE-Wind	968 (15%)	322 (7%)	201%	477 (8%)	103%	5883 (14%)	3793 (13%)	55%	5237 (13%)	12%
4.1.7	VRE-Solar	598 (9%)	449 (10%)	33%	548 (10%)	9%	4122 (10%)	3126 (11%)	32%	4648 (12%)	-11%
4.1.8	RE-Others	24 (0%)	33 (1%)	-27%	37 (1%)	-35%	129 (0%)	137 (0%)	-5%	198 (1%)	-35%
4.1.9	Markets	1134 (17%)	713 (15%)	59%	299 (5%)	279%	6930 (17%)	4214 (15%)	64%	299 (1%)	2214%
4.1.10	Others	18 (0%)	2 (0%)	745%	0 (0%)	-	113 (0%)	24 (0%)	370%	0 (0%)	-
4.1.11	Discom Purchases	6532	4703	39%	5701	15%	40682	29043	40%	38973	4%

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	875 (28%)	594 (33%)	47%	1224 (55%)	-29%	5829 (33%)	3546 (28%)	64%	8409 (56%)	-31%
4.2.2	State Hydrel	51 (2%)	50 (3%)	2%	51 (2%)	0%	358 (2%)	301 (2%)	19%	358 (2%)	0%
4.2.3	CGS	431 (14%)	414 (23%)	4%	477 (22%)	-10%	2781 (16%)	2506 (20%)	11%	3077 (21%)	-10%
4.2.4	Gas	24 (1%)	39 (2%)	-40%	23 (1%)	2%	206 (1%)	357 (3%)	-42%	132 (1%)	57%
4.2.5	IPPs	57 (2%)	66 (4%)	-13%	55 (2%)	4%	408 (2%)	1045 (8%)	-61%	377 (3%)	8%
4.2.6	VRE-Wind	344 (11%)	152 (8%)	127%	116 (5%)	197%	2666 (15%)	1788 (14%)	49%	1273 (8%)	110%
4.2.7	VRE-Solar	248 (8%)	202 (11%)	22%	138 (6%)	79%	1769 (10%)	1412 (11%)	25%	1165 (8%)	52%
4.2.8	RE-Others	11 (0%)	13 (1%)	-15%	19 (1%)	-43%	66 (0%)	65 (1%)	2%	102 (1%)	-35%
4.2.9	Markets	1099 (35%)	258 (14%)	326%	111 (5%)	890%	3633 (20%)	1425 (11%)	155%	113 (1%)	3125%
4.2.10	Others	31 (1%)	8 (0%)	288%	0 (0%)	-	121 (1%)	28 (0%)	336%	0 (0%)	-
4.2.11	Power Purchase Cost	3171	1796	77%	2214	43%	17839	12472	43%	15005	19%

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	276	201	37%	352	-22%	1844	1578	17%	2463	-25%
4.3.2	State Hydrel	51	50	2%	51	0%	358	301	19%	358	0%
4.3.3	CGS	147	112	31%	125	17%	850	673	26%	876	-3%
4.3.4	Gas	2	3	-57%	2	-9%	12	24	-48%	12	5%
4.3.5	IPPs	24	29	-18%	23	1%	172	249	-31%	163	5%
4.3.6	Fixed Cost	499	396	26%	553	-10%	3237	2824	15%	3872	-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	393	52%	873	-31%	3985	1968	102%	5947	-33%
4.4.2	CGS	284	302	-6%	352	-19%	1931	1833	5%	2201	-12%
4.4.3	Gas	22	36	-38%	21	3%	194	333	-42%	120	62%
4.4.4	IPPs	34	37	-10%	32	5%	236	796	-70%	214	10%
4.4.5	VRE-Wind	344	152	127%	116	197%	2666	1788	49%	1273	110%
4.4.6	VRE-Solar	248	202	22%	138	79%	1769	1412	25%	1165	52%
4.4.7	RE-Others	11	13	-15%	19	-43%	66	65	2%	102	-35%
4.4.8	Markets	1099	258	326%	111	890%	3633	1425	155%	113	3125%
4.4.9	Variable Cost	2640	1392	90%	1661	59%	14482	9621	51%	11134	30%

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	4.94	4.88	1%	4.80	3%	4.86	5.78	-16%	4.75	2%
4.5.2	State Hydel	0.71	0.77	-8%	1.43	-50%	1.55	1.68	-8%	1.90	-18%
4.5.3	CGS	4.05	4.14	-2%	3.99	1%	3.80	4.23	-10%	4.08	-7%
4.5.4	Gas	2.78	2.49	11%	2.37	17%	2.48	2.73	-9%	2.41	3%
4.5.5	IPPs	3.74	4.12	-9%	4.03	-7%	3.91	4.04	-3%	4.10	-5%
4.5.6	VRE-Wind	3.56	4.71	-24%	2.43	47%	4.53	4.71	-4%	2.43	87%
4.5.7	VRE-Solar	4.14	4.51	-8%	2.52	64%	4.29	4.52	-5%	2.51	71%
4.5.8	RE-Others	4.54	3.94	15%	5.14	-12%	5.11	4.75	8%	5.14	0%
4.5.9	Markets	9.69	3.62	168%	3.71	162%	5.24	3.38	55%	3.76	39%
4.5.10	Others	17.67	38.44	-54%	0.00	-	10.70	11.55	-7%	0.00	-
4.5.11	Weighted Average	4.85	3.82	27%	3.88	25%	4.38	4.29	2%	3.85	14%

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	1.56	1.65	-6%	1.38	13%	1.54	2.57	-40%	1.39	10%
4.6.2	State Hydel	0.71	0.77	-8%	1.43	-50%	1.55	1.68	-8%	1.90	-18%
4.6.3	CGS	1.38	1.12	23%	1.05	32%	1.16	1.13	2%	1.16	0%
4.6.4	Gas	0.18	0.22	-20%	0.17	4%	0.15	0.18	-18%	0.21	-31%
4.6.5	IPPs	1.54	1.80	-14%	1.70	-9%	1.65	0.96	71%	1.77	-7%
4.6.6	Average FC	0.81	0.86	-5%	0.97	-16%	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	3.38	3.23	5%	3.42	-1%	3.32	3.21	3%	3.36	-1%
4.7.2	CGS	2.67	3.01	-11%	2.94	-9%	2.64	3.09	-15%	2.92	-9%
4.7.3	Gas	2.60	2.27	14%	2.20	18%	2.34	2.55	-8%	2.20	6%
4.7.4	IPPs	2.20	2.33	-6%	2.33	-6%	2.27	3.08	-26%	2.33	-3%
4.7.5	VRE-Wind	3.56	4.71	-24%	2.43	47%	4.53	4.71	-4%	2.43	87%
4.7.6	VRE-Solar	4.14	4.51	-8%	2.52	64%	4.29	4.52	-5%	2.51	71%
4.7.7	RE-Others	4.54	3.94	15%	5.14	-12%	5.11	4.75	8%	5.14	0%
4.7.8	Markets	9.69	3.62	168%	3.71	162%	5.24	3.38	55%	3.76	39%
4.7.9	Average VC	4.04	2.96	37%	2.91	39%	3.56	3.31	7%	2.86	25%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.8.1	LT	1942	1119	74%	11465	8620	33%
4.8.2	11KV	283	176	60%	1583	1157	37%
4.8.3	33KV	329	189	74%	1826	1091	67%
4.8.4	EHT	617	312	98%	2965	1604	85%
4.2.11	Power Purchase Cost	3171	1796	77%	17839	12472	43%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.9.1	LT	660	616	7%	4402	4631	-5%
4.9.2	11KV	96	97	-1%	608	621	-2%
4.9.3	33KV	112	104	7%	701	586	20%
4.9.4	EHT	210	172	22%	1139	862	32%
2.20	Network Cost	1078	989	9%	6850	6700	2%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.10.1	LT	18	23	-19%	162	178	-9%
4.10.2	11KV	3	4	-25%	22	24	-7%
4.10.3	33KV	3	4	-19%	26	23	14%
4.10.4	EHT	6	6	-7%	42	33	26%
2.23	Retail Supply Cost	30	36	-17%	252	258	-2%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.11.1	LT	2620	1757	49%	16029	13429	19%
4.11.2	11KV	381	277	38%	2214	1802	23%
4.11.3	33KV	444	298	49%	2552	1699	50%
4.11.4	EHT	833	490	70%	4146	2499	66%
2.24	Cost of Service	4279	2821	52%	24941	19430	28%

4.12 Losses by Voltage (MU)

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.12.1	LT	195	78	1%	793	665	1%
4.12.2	11KV	123	107	10%	932	802	10%
4.12.3	33KV	183	135	36%	1244	999	36%
4.12.4	EHT	165	189	-8%	1129	1335	-8%
4.12.5	Loss	667	509	9%	4098	3801	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	2723	1802	51%	16462	13701	20%
4.13.2	11KV	373	276	35%	2198	1784	23%
4.13.3	33KV	422	287	47%	2450	1630	50%
4.13.4	EHT	760	456	67%	3830	2316	65%
2.24	Cost of Service	4279	2821	52%	24941	19430	28%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.14.1	LT	8.5	6.7	27%	7.1	6.4	12%
4.14.2	11KV	8.0	6.5	23%	6.9	6.2	11%
4.14.3	33KV	7.8	6.3	24%	6.7	6.0	11%
4.14.4	EHT	7.5	6.1	23%	6.4	5.8	11%
2.37	ACS	8.2	6.5	26%	6.9	6.2	11%

5. Receivables

5.1 Income Estimates (Rs Cr)

#	Item	Q1	Q2	Q3	Q4	FY22
5.1.1	Subsidy	2267	2268	2242	2234	9011
5.1.2	Agriculture Subsidy	1824	1824	1824	1824	7297
5.1.3	Aquaculture Subsidy	256	231	207	212	905
5.1.4	SC Colonies Subsidy	125	146	144	133	549
5.1.5	ST Thandas Subsidy	25	30	29	26	110
5.1.6	Other Subsidy	36	37	38	39	150
5.1.7	Govt Agencies	1139	1397	1304	1121	4960
5.1.8	Panchayats	328	370	354	323	1374
5.1.9	WR Dept	334	455	442	304	1535
5.1.10	ULB	139	171	139	125	573
5.1.11	Other Govt Dept	338	402	369	369	1477
5.1.12	Govt serviced debt	361	541	143	15	1059
5.1.13	UDAY Receivables	0	32	0	0	32
5.1.14	Private Customers Receivables	6758	7027	6715	6253	26753
5.1.15	Total	10525	11265	10403	9623	41815
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	741	708	208	33	241%	-4%
5.2.2	Agriculture Subsidy	608	608	708	208	-100	241%	16%
5.2.3	Aquaculture Subsidy	77	75	0	0	75	-	-100%
5.2.4	SC Colonies Subsidy	42	48	0	0	48	-	-100%
5.2.5	ST Thandas Subsidy	8	10	0	0	10	-	-100%
5.2.6	Other Subsidy	1	1	0	0	1	-	-100%
5.2.7	Govt Agencies	365	482	385	125	97	209%	5%
5.2.8	Panchayats	103	123	129	15	-6	761%	26%
5.2.9	WR Dept	97	189	22	5	167	311%	-78%
5.2.10	ULB	41	51	87	17	-36	427%	112%
5.2.11	Other Govt Dept	124	119	147	88	-27	67%	18%
5.2.12	Govt serviced debt	0	118	85	61	33	40%	-
5.2.13	UDAY Receivables	0	0	0	0	0	-	-
5.2.14	Private Customers Receivables	2245	2436	2538	1922	-102	32%	13%
5.2.15	Total	3346	3778	3716	2315	61	61%	11%
5.2.16	Opex Loans	0	969	500	0	469	-	-
5.2.17	Capex Loans	0	60	60	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	5152	5202	4679	1108	14558	6079	322%	-9%
5.3.2	Agriculture Subsidy	12127	4257	4257	4607	1108	11777	4787	316%	8%
5.3.3	Aquaculture Subsidy	1176	540	567	72	0	1671	763	-	-87%
5.3.4	SC Colonies Subsidy	552	291	310	0	0	862	379	-	-100%
5.3.5	ST Thandas Subsidy	167	55	64	0	0	231	139	-	-100%
5.3.6	Other Subsidy	12	9	4	0	0	17	11	-	-100%
5.3.7	Govt Agencies	8109	2554	2746	1118	877	9736	6452	28%	-56%
5.3.8	Panchayats	3710	719	793	216	131	4287	3056	65%	-70%
5.3.9	WR Dept	3728	680	873	33	34	4568	2868	-4%	-95%

5.3.10	ULB	441	288	343	161	140	623	336	15%	-44%
5.3.11	Other Govt Dept	229	867	737	708	572	257	192	24%	-18%
5.3.12	Govt serviced debt	220	0	1101	537	327	784	0	64%	-
5.3.13	UDAY Receivables	3475	0	32	0	0	3507	3444	-	-
5.3.14	Private Customers Receivables	3059	15638	16576	16222	12987	3412	2612	25%	4%
5.3.15	Total	28897	23344	25656	22557	15298	31996	18586	47%	-3%
5.3.16	Opex Loans	0	0	7035	6565	2091	469	0	214%	-
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	6812	6849	30286
6.1.2	State Thermal	2765	2519	3410	3938	12633
6.1.3	State Hydel	221	154	154	154	682
6.1.4	CGS	1406	1183	1405	1427	5420
6.1.5	IPPs Gas	131	84	69	67	351
6.1.6	IPPs Thermal	217	173	167	166	722
6.1.7	VRE- Wind	1130	1403	348	330	3211
6.1.8	VRE- Solar	1208	726	424	529	2886
6.1.9	RE-Others	38	26	71	88	222
6.1.10	Market	1936	1217	747	150	4050
6.1.11	Other	50	41	19	0	110
6.1.12	Wind @ interim rate	399	602	348	330	1679
6.1.13	Solar @ interim rate	325	280	476	529	1609
6.1.14	CTU Cost	175	242	358	374	1148
6.1.15	STU Cost	614	602	600	600	2416
6.1.16	Distribution Cost	1900	1661	2015	1872	7448
6.1.17	O&M Cost	1368	1263	1544	1444	5619
6.1.18	HR Cost	1127	1099	1297	1189	4712
6.1.19	A&G Cost	79	69	87	94	330
6.1.20	R&M Cost	162	95	160	161	578
6.1.21	Depreciation	343	339	358	354	1394
6.1.22	ROCE	304	324	368	390	1386
6.1.23	Others	189	59	113	75	436
6.1.24	Cost of Service	11790	10029	9785	9696	41299
7.1.1	Capex Debt service (P+I)	392	378	409	402	1580
7.1.2	Opex Debt service (P+I)	3267	3290	1838	1522	9918

6.2 Payables during the Month (Rs Cr)

#	Item	ERC-BE	EXPENDITURE	PAID		BALANCE	% ↑	% δ ERC
				CY	PY			
6.2.1	PP Cost	2214	3171	4165	1633	-994	155%	88%
6.2.2	State Thermal	1224	875	1437	855	-563	68%	17%
6.2.3	State Hydel	51	51	82	80	-31	3%	60%
6.2.4	CGS	477	431	719	0	-288	-	51%
6.2.5	IPPs Gas	23	24	33	56	-10	-40%	43%
6.2.6	IPPs Thermal	55	57	65	93	-8	-30%	17%
6.2.7	VRE- Wind	116	344	7	58	338	-88%	-94%
6.2.8	VRE- Solar	138	248	1	26	247	-96%	-99%
6.2.9	RE-Others	19	11	59	23	-48	150%	210%
6.2.10	Market	111	1099	658	443	441	48%	493%
6.2.11	Other	0	31	1104	0	-1073	-	0%
6.2.12	Wind @ interim rate	116	0	0	58	0	-100%	-100%
6.2.13	Solar @ interim rate	138	56	7	26	49	-74%	-95%
6.2.14	CTU Cost	109	56	42	238	14	-82%	-61%
6.2.15	STU Cost	183	203	142	120	61	18%	-22%
6.2.16	Distribution Cost	762	849	589	510	260	15%	-23%
6.2.17	O&M Cost	495	561	559	482	3	16%	13%
6.2.18	HR Cost	406	490	490	408	0	20%	20%
6.2.19	A&G Cost	29	18	16	28	3	-43%	-45%
6.2.20	R&M Cost	60	53	53	47	0	14%	-11%
6.2.21	Depreciation	109	109	0	0	109	-	-100%
6.2.22	ROCE	130	109	0	0	109	-	-100%

6.2.23	Others	28	70	30	28	40	6%	6%
6.2.24	Cost of Service	3268	4279	4938	2502	-658	97%	51%
7.2.1	Capex Debt service (P+I)	151	142	142	136	0	5%	-6%
7.2.2	Opex Debt service (P+I)	0	1871	1952	1540	-82	27%	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	14995	17839	19747	16278	11420	6261	21%	32%
6.3.2	State Thermal	4748	8435	5829	8167	5509	2411	2974	48%	-3%
6.3.3	State Hydel	130	358	358	389	386	99	130	1%	9%
6.3.4	CGS	2137	3079	2781	4938	5933	-19	96	-17%	60%
6.3.5	IPPs Gas	93	132	206	237	449	62	47	-47%	80%
6.3.6	IPPs Thermal	661	377	408	482	1280	588	379	-62%	28%
6.3.7	VRE- Wind	3847	1273	2666	825	432	5688	2051	91%	-35%
6.3.8	VRE- Solar	1640	1165	1769	260	162	3149	584	60%	-78%
6.3.9	RE-Others	99	101	66	165	118	0	0	40%	63%
6.3.10	Market	-29	74	3633	3117	1713	488	0	82%	4110%
6.3.11	Other	0	0	121	1167	295	-1046	0	296%	-
6.3.12	Wind @ interim rate	251	1273	1194	763	432	683	347	77%	-40%
6.3.13	Solar @ interim rate	108	1164	916	266	162	759	148	63%	-77%
6.3.14	CTU Cost	127	862	469	656	563	-59	0	17%	-24%
6.3.15	STU Cost	1642	1423	1426	1138	707	1930	321	61%	-20%
6.3.16	Distribution Cost	0	5455	5202	3514	3602	467	0	-2%	-36%
6.3.17	O&M Cost	0	3387	3233	3216	3263	18	0	-1%	-5%
6.3.18	HR Cost	0	2751	2729	2718	2742	9	0	-1%	-1%
6.3.19	A&G Cost	0	202	163	166	185	0	0	-10%	-18%
6.3.20	R&M Cost	0	433	342	332	337	0	0	-1%	-23%
6.3.21	Depreciation	0	778	777	0	0	221	0	-	-100%
6.3.22	ROCE	0	931	782	0	0	219	0	-	-100%
6.3.23	Others	0	359	409	298	338	9	0	-12%	-17%
6.3.24	Cost of Service	15096	22734	24936	25054	21150	14978	6582	18%	10%
7.3.1	Capex Debt service (P+I)	0	1013	850	850	245	0	0	247%	-16%
7.3.2	Opex Debt service (P+I)	1000	0	6792	6971	2203	821	177	216%	-

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	409	402	1580
7.1.2	ERC disallowable-Opex Debt	3267	3290	1838	1522	9918
7.1.3	Debt Servicing	3659	3668	2247	1924	11498

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	151	142	142	136	0	5%	-6%
7.2.2	ERC disallowable-Opex Debt	0	1871	1952	1540	-82	27%	0%
7.2.3	Debt Servicing	151	2013	2095	1676	-82	25%	1288%

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	1013	850	850	245	0	0	247%	-16%
7.3.2	ERC disallowable-Opex Debt	1000	0	6792	6971	2203	0	0	216%	0%
7.3.3	Debt Servicing	1000	1013	7642	7821	2448	0	0	219%	672%

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	5220	5092	3%	5663	3903	45%	10883	8995	21%
7.4.2	PFC	480	480	0%	5160	4665	11%	5640	5144	10%
7.4.3	APPFCL	0	0	-	11737	9295	26%	11737	9295	26%
7.4.4	BANKS	1617	1720	-6%	864	1218	-29%	2481	2938	-16%
7.4.5	IREDA	0	0	-	1075	1388	-23%	1075	1388	-23%
7.4.6	ICD	0	0	-	583	663	-12%	583	663	-12%
7.4.7	PTC	0	0	-	139	164	-15%	139	164	-15%
7.4.8	GOAP	0	0	-	0	0	-	0	0	-
7.4.9	OTHERS	690	690	0%	3778	5631	-33%	4468	6321	-29%
7.4.10	Debt Outstanding	8007	7981	0%	28998	26926	8%	37005	34907	6%

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