

Andhra Pradesh Electricity Distribution Companies Monthly Report on Key Performance Indicators March-2023

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	4415 (78%)	4118 (77%)	7%	54997 (85%)	50611 (83%)	9%
3.1.12	Agl Consumption	MU	1268 (22%)	1229 (23%)	3%	9956 (15%)	10553 (17%)	-6%
3.1.22	Discom Sales	MU	5684	5348	6%	64953	61164	6%
1.02	Private Sales	MU	3637 (64%)	3177 (59%)	14%	47044 (72%)	41464 (68%)	13%
1.03	Government Sales	MU	481 (8%)	342 (6%)	41%	4763 (7%)	4516 (7%)	5%
1.04	Government Subsidy	MU	1565 (28%)	1682 (31%)	-7%	13147 (20%)	15038 (25%)	-13%
Collection (Rs. Cr)								
1.05	Opening Debtors	Rs Cr	15896	12154	31%	12699	10523	21%
5.2.14	Pvt Sales	Rs Cr	2967	2072	43%	33448	26635	26%
5.2.7	Gov Sales	Rs Cr	624	638	-2%	3439	4038	-15%
5.2.1	Gov Subsidy	Rs Cr	289	25	1055%	10876	8227	32%
1.06	Others	Rs Cr	0	159	-100%	2955	1266	133%
5.2.15	Discom Collections	Rs Cr	3880	2894	34%	50717	40166	26%
1.07	Metered Sales	Rs Cr	3876	2707	43%	37744	31252	21%
3.3.12	Agl Collections	Rs Cr	5	24	-80%	10017	7644	31%
1.08	Revenue from Sale	Rs Cr	3378	3112	9%	45712	39442	16%
1.09	Adj Revenue from Sale	Rs Cr	2757	2547	8%	46612	39211	19%
1.10	Closing Debtors	Rs Cr	15616	12009	30%	15616	12009	30%
1.11	Adj Closing Debtors	Rs Cr	15616	12009	30%	15616	12009	30%
KPIs								
3.5.22	ARR	Rs/kWh	6.83	5.11	34%	7.35	6.36	16%
3.6.22	AMC	kWh/bill/Mth	299	289	3%	205	234	-12%
3.7.22	ACPB	Rs/bill/Mth	2039	1477	38%	1509	1485	2%

2. Purchases

#	Item	Units	Month			YTD		
			CY	PY	% ↑	CY	PY	% ↑
Power Purchase								
3.1.22	Discom Sales	MU	5684 (85%)	5348 (78%)	6%	64953 (90%)	61164 (89%)	6%
2.01	Discom Losses	MU	612 (9%)	638 (9%)	-4%	4969 (7%)	4929 (7%)	1%
2.02	Discom Input	MU	6489 (97%)	6618 (96%)	-2%	68915 (96%)	65525 (95%)	5%
2.03	Transmission Loss	MU	158 (2%)	189 (3%)	-16%	1835 (3%)	1876 (3%)	-2%
4.1.11	Discom Purchases	MU	6694	6869	-3%	72058	68628	5%
4.2.11	Power Purchase Cost	Rs. Cr	5345 (78%)	3583 (77%)	49%	38962 (75%)	30221 (73%)	29%
Contracted Network Capacity (MW)								
2.04	STU	MW	13877	12843	8%	13877	12843	8%
2.05	CTU	MW	1557	1682	-7%	1965	1850	6%
2.06	Distribution	MW	12412	11334	10%	12412	11334	10%
Capacity Charges								
2.07	STU Charges	Rs. Lacs/MW/Mth	1.2	1.6	-25%	1.6	1.5	5%
2.08	CTU Charges	Rs. Lacs/MW/Mth	17.3	4.5	284%	6.2	3.3	88%
2.09	Distribution Charges	Rs. Lacs/MW/Mth	8.4	6.5	29%	5.8	5.6	5%
Network Cost (Rs. Cr)								
2.10	STU Cost	Rs Cr	169 (2%)	203 (4%)	-17%	2675 (5%)	2355 (6%)	14%
2.11	CTU Cost	Rs Cr	270 (4%)	75 (2%)	258%	1449 (3%)	727 (2%)	99%
2.12	Distribution Network Cost	Rs Cr	1039 (15%)	735 (16%)	41%	8672 (17%)	7563 (18%)	15%
2.13	O&M Cost	Rs Cr	442	538	-18%	5683	5171	10%
2.14	HR Cost	Rs Cr	338	434	-22%	4787	4348	10%
2.15	A&G Cost	Rs Cr	14	23	-39%	212	212	0%
2.16	R & M Cost	Rs Cr	91	82	11%	683	611	12%
2.17	Depreciation	Rs Cr	166	129	29%	1702	1547	10%
2.18	ROCE	Rs Cr	40	29	36%	399	309	29%
2.19	Others	Rs Cr	391	39	899%	888	536	66%
2.20	Network Cost	Rs Cr	1478 (22%)	1014 (22%)	46%	12796 (25%)	10646 (26%)	20%
Retail Supply Cost (Rs. Cr)								
2.21	B&C Cost and Supply Margin	Rs Cr	18	12	47%	189	177	6%
2.22	Interest on Security Deposits	Rs Cr	19	18	8%	235	217	8%
2.23	Retail Supply Cost	Rs Cr	38 (1%)	31 (1%)	24%	423 (1%)	394 (1%)	7%
Cost of Service (Rs. Cr)								
2.24	Cost of Service	Rs Cr	6861	4627	48%	52182	41261	26%
7.2.2	ERC Disallowed Debt	Rs Cr	461	483	-5%	10024	10739	-7%
KPIs on Purchase basis								
4.5.11	Energy Cost on Purchase Basis	Rs/kWh	7.98	5.22	53%	5.41	4.40	23%
2.25	STU Cost per Unit	Rs/kWh	0.25	0.30	-15%	0.37	0.34	8%
2.26	CTU Cost per Unit	Rs/kWh	0.40	0.11	268%	0.20	0.11	90%
2.27	CTU Cost Per Unit on CGS purchases	Rs/kWh	2.57	0.60	325%	1.11	0.56	97%
2.28	Distribution Network Cost per Unit	Rs/kWh	1.55	1.07	45%	1.20	1.10	9%
2.29	Network Cost per Unit	Rs/kWh	2.21	1.46	51%	1.78	1.55	14%
2.30	Retail Supply Cost per Unit	Rs/kWh	0.06	0.04	27%	0.06	0.06	2%
2.31	Cost of Service per Unit	Rs/kWh	10.25	6.74	52%	7.24	6.01	20%
KPIs on Sales basis								
2.32	Energy Cost on Sales Basis	Rs/kWh	9.40	6.70	40%	6.00	4.94	21%
2.33	STU Cost per Unit	Rs/kWh	0.30	0.36	-17%	0.41	0.39	7%
2.34	CTU Cost per Unit	Rs/kWh	0.48	0.14	237%	0.22	0.12	88%
2.35	Distribution Network Cost per Unit	Rs/kWh	1.83	1.37	33%	1.34	1.24	8%
2.36	Network Cost per Unit	Rs/kWh	2.60	1.90	37%	1.97	1.74	13%

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2.37	Retail Supply Cost per Unit	Rs/kWh	0.07	0.06	16%		0.07	0.06	1%
2.38	ACS	Rs/kWh	12.07	8.65	40%		8.03	6.75	19%
2.39	ERC Disallowed Debt per Unit	Rs/kWh	0.81	0.90	-10%		1.54	1.76	-12%
AT&C Losses									
2.40	Collection η	%	90%	86%	4%		96%	96%	0%
2.41	Units Realized	MU	5199	4939	5%		61095	57685	6%
2.42	Units Unrealized	MU	1290	1679	-23%		7820	7840	0%
2.43	AT&C Losses	%	20%	25%	-22%		11%	12%	-5%
ARR-ACS GAP									
2.44	GAP	Rs/kWh	-5.24	-3.54	48%		-0.68	-0.39	76%

3. Sales by Categories

3.1 Energy Sales by Category

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.1.1	0-30	43 (1%)	42 (1%)	4%	417 (1%)	383 (1%)	9%
3.1.2	31-75	251 (4%)	249 (5%)	1%	2597 (4%)	2505 (4%)	4%
3.1.3	76-125	351 (6%)	336 (6%)	4%	4183 (6%)	4006 (7%)	4%
3.1.4	126-225	363 (6%)	343 (6%)	6%	5469 (8%)	5507 (9%)	-1%
3.1.5	226-400	124 (2%)	108 (2%)	14%	2994 (5%)	3001 (5%)	0%
3.1.6	>400	44 (1%)	38 (1%)	16%	1729 (3%)	1847 (3%)	-6%
3.1.7	LT-1	1176 (21%)	1116 (21%)	5%	17388 (27%)	17249 (28%)	1%
3.1.8	LT-2	268 (5%)	234 (4%)	15%	3531 (5%)	2998 (5%)	18%
3.1.9	LT-3	134 (2%)	134 (3%)	0%	1637 (3%)	1569 (3%)	4%
3.1.10	LT-4	140 (2%)	114 (2%)	22%	1679 (3%)	1416 (2%)	19%
3.1.11	LT-5	1574 (28%)	1592 (30%)	-1%	14056 (22%)	14660 (24%)	-4%
3.1.12	LT-5 A (ii)	1268 (22%)	1229 (23%)	3%	9956 (15%)	10553 (17%)	-6%
3.1.13	LT-5 excluding A(ii)	305 (5%)	363 (7%)	-16%	4100 (6%)	4107 (7%)	0%
3.1.14	LT	3292 (58%)	3190 (60%)	3%	38290 (59%)	37893 (62%)	1%
3.1.15	HT-1	5 (0%)	4 (0%)	9%	64 (0%)	62 (0%)	3%
3.1.16	HT-2	163 (3%)	131 (2%)	24%	1882 (3%)	1507 (2%)	25%
3.1.17	HT-3	1818 (32%)	1700 (32%)	7%	20407 (31%)	17561 (29%)	16%
3.1.18	HT-4	243 (4%)	204 (4%)	19%	2825 (4%)	2341 (4%)	21%
3.1.19	HT-5	121 (2%)	69 (1%)	74%	1034 (2%)	1328 (2%)	-22%
3.1.20	Rescos	42 (1%)	49 (1%)	-15%	453 (1%)	472 (1%)	-4%
3.1.21	HT	2392 (42%)	2157 (40%)	11%	26663 (41%)	23271 (38%)	15%
3.1.22	Discom Sales	5684	5348	6%	64953	61164	6%

3.2 Energy Sales by Voltage Level (MU)

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.2.1	LT	3216	3190	1%	38171	37869	1%
3.2.2	11KV	499	485	3%	5906	5534	7%
3.2.3	33KV	656	577	14%	6919	6516	6%
3.2.4	EHT	1312	1096	20%	13956	11245	24%
3.1.22	Discom Sales	5684	5348	6%	64953	61164	6%

3.3 Collection by Category (Rs Cr)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.3.1	0-30	69 (2%)	22 (1%)	206%	330 (1%)	221 (1%)	49%
3.3.2	31-75	153 (4%)	58 (2%)	166%	880 (2%)	593 (2%)	49%
3.3.3	76-125	174 (4%)	102 (4%)	70%	1472 (3%)	1213 (3%)	21%
3.3.4	126-225	200 (5%)	115 (4%)	74%	2286 (5%)	1994 (5%)	15%
3.3.5	226-400	71 (2%)	58 (2%)	23%	1692 (4%)	1587 (4%)	7%
3.3.6	>400	169 (4%)	28 (1%)	510%	1374 (3%)	1334 (3%)	3%
3.3.7	LT-1	835 (22%)	383 (14%)	118%	8035 (17%)	6942 (18%)	16%
3.3.8	LT-2	334 (9%)	271 (10%)	23%	4086 (9%)	3262 (8%)	25%
3.3.9	LT-3	136 (4%)	123 (4%)	11%	1494 (3%)	1303 (3%)	15%
3.3.10	LT-4	192 (5%)	92 (3%)	107%	642 (1%)	1873 (5%)	-66%
3.3.11	LT-5	145 (4%)	101 (4%)	43%	11901 (25%)	9029 (23%)	32%
3.3.12	LT-5 A (ii)	5 (0%)	24 (1%)	-80%	10017 (21%)	7644 (20%)	31%
3.3.13	LT-5 excluding A(ii)	140 (4%)	77 (3%)	82%	1884 (4%)	1385 (4%)	36%
3.3.14	LT	1642 (42%)	970 (36%)	69%	26158 (55%)	22408 (58%)	17%
3.3.15	HT-1	7 (0%)	4 (0%)	98%	50 (0%)	49 (0%)	2%
3.3.16	HT-2	328 (8%)	141 (5%)	133%	2303 (5%)	1703 (4%)	35%

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		1317 (34%)	1024 (37%)	29%		15967 (33%)	12265 (32%)	30%
3.3.18	HT-4	242 (6%)	170 (6%)	43%		2039 (4%)	1697 (4%)	20%
3.3.19	HT-5	215 (6%)	421 (15%)	-49%		927 (2%)	741 (2%)	25%
3.3.20	Rescos	129 (3%)	2 (0%)	6792%		317 (1%)	32 (0%)	889%
3.3.21	HT	2239 (58%)	1761 (64%)	27%		21603 (45%)	16488 (42%)	31%
3.3.22	Discom Collections	3881	2731	42%		47761	38896	23%

3.4 Bills by Category (Nos)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.4.1	0-30	38,35,826(20%)	36,74,596(20%)	4%	40,64,071(15%)	38,47,031(18%)	6%
3.4.2	31-75	47,68,258(25%)	48,14,025(26%)	-1%	48,77,700(18%)	48,14,025(22%)	1%
3.4.3	76-125	35,79,841(19%)	34,98,926(19%)	2%	37,78,179(14%)	35,91,647(16%)	5%
3.4.4	126-225	22,64,652(12%)	21,75,800(12%)	4%	32,54,941(12%)	33,17,541(15%)	-2%
3.4.5	226-400	4,46,717(2%)	3,98,404(2%)	12%	14,34,087(5%)	13,92,536(6%)	3%
3.4.6	>400	76,764(0%)	70,361(0%)	9%	7,35,629(3%)	6,56,171(3%)	12%
3.4.7	LT-1	1,49,72,058(79%)	1,46,32,112(79%)	2%	1,81,44,607(69%)	1,76,18,951(81%)	3%
3.4.8	LT-2	16,79,329(9%)	15,98,747(9%)	5%	52,81,034(20%)	15,98,747(7%)	230%
3.4.9	LT-3	81,421(0%)	81,490(0%)	0%	5,24,960(2%)	81,490(0%)	544%
3.4.10	LT-4	3,52,311(2%)	3,42,095(2%)	3%	3,52,311(1%)	3,42,095(2%)	3%
3.4.11	LT-5	19,35,106(10%)	18,25,244(10%)	6%	20,60,237(8%)	21,69,518(10%)	-5%
3.4.12	LT-5 A (ii)	18,45,763(10%)	17,36,550(9%)	6%	18,45,763(7%)	17,36,550(8%)	6%
3.4.13	LT-5 excluding A(ii)	89,343(0%)	88,694(0%)	1%	2,14,474(1%)	4,32,968(2%)	-50%
3.4.14	LT	1,90,20,225(100%)	1,84,79,688(100%)	3%	2,63,63,149(100%)	2,18,10,801(100%)	21%
3.4.15	HT-1	122(0%)	113(0%)	8%	122(0%)	113(0%)	8%
3.4.16	HT-2	4,962(0%)	4,547(0%)	9%	4,962(0%)	4,547(0%)	9%
3.4.17	HT-3	6,610(0%)	6,346(0%)	4%	6,610(0%)	7,011(0%)	-6%
3.4.18	HT-4	835(0%)	720(0%)	16%	835(0%)	720(0%)	16%
3.4.19	HT-5	718(0%)	718(0%)	0%	724(0%)	752(0%)	-4%
3.4.20	Rescos	1(0%)	1(0%)	0%	1(0%)	82(0%)	-99%
3.4.21	HT	13,248(0%)	12,445(0%)	6%	13,254(0%)	13,225(0%)	0%
3.4.22	Discom Bills	1,90,33,473	1,84,92,133	3%	2,63,76,403	2,18,24,026	21%

3.5 Average Revenue Realized by Category (Rs/kWh)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.5.1	0-30	15.90	5.41	194%	7.92	5.75	38%
3.5.2	31-75	6.09	2.31	164%	3.39	2.36	43%
3.5.3	76-125	4.95	3.03	63%	3.52	3.03	16%
3.5.4	126-225	5.52	3.36	64%	4.18	3.62	15%
3.5.5	226-400	5.73	5.32	8%	5.65	5.29	7%
3.5.6	>400	38.30	7.30	425%	7.95	7.22	10%
3.5.7	LT-1	7.10	3.43	107%	4.62	4.02	15%
3.5.8	LT-2	12.43	11.58	7%	11.57	10.88	6%
3.5.9	LT-3	10.18	9.17	11%	9.13	8.30	10%
3.5.10	LT-4	13.71	8.09	70%	3.82	13.22	-71%
3.5.11	LT-5	0.92	0.64	45%	8.47	6.16	37%
3.5.12	LT-5 A (ii)	0.04	0.20	-81%	10.06	7.24	39%
3.5.13	LT-5 excluding A(ii)	4.58	2.12	116%	4.60	3.37	36%
3.5.14	LT	4.99	3.04	64%	6.83	5.91	16%
3.5.15	HT-1	14.45	7.99	81%	7.90	8.02	-2%
3.5.16	HT-2	20.17	10.77	87%	12.24	11.30	8%
3.5.17	HT-3	7.25	6.03	20%	7.82	6.98	12%
3.5.18	HT-4	9.96	8.32	20%	7.22	7.25	0%
3.5.19	HT-5	17.77	60.64	-71%	8.97	5.58	61%
3.5.20	Rescos	30.88	0.38	7984%	7.01	0.68	931%
3.5.21	HT	9.36	8.16	15%	8.10	7.09	14%
3.5.22	ARR	6.83	5.11	34%	7.35	6.36	16%

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

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.6.1	0-30	11	11	0%	9	8	3%
3.6.2	31-75	53	52	2%	44	43	2%
3.6.3	76-125	98	96	2%	92	93	-1%
3.6.4	126-225	160	158	2%	140	138	1%
3.6.5	226-400	277	272	2%	174	180	-3%
3.6.6	>400	574	538	7%	196	235	-17%
3.6.7	LT-1	79	76	3%	80	82	-2%
3.6.8	LT-2	160	146	9%	56	156	-64%
3.6.9	LT-3	1646	1643	0%	260	1604	-84%
3.6.10	LT-4	397	334	19%	397	345	15%
3.6.11	LT-5	813	872	-7%	569	563	1%
3.6.12	LT-5 A (ii)	687	708	-3%	449	506	-11%
3.6.13	LT-5 excluding A(ii)	3417	4091	-16%	1593	790	102%
3.6.14	LT	173	173	0%	121	145	-16%
3.6.15	HT-1	39754	39204	1%	43414	45415	-4%
3.6.16	HT-2	32807	28797	14%	31600	27620	14%
3.6.17	HT-3	275056	267813	3%	257273	208737	23%
3.6.18	HT-4	291485	283361	3%	281949	270954	4%
3.6.19	HT-5	168482	96755	74%	118961	147151	-19%
3.6.20	Rescos	41740000	48960000	-15%	37709918	479754	7760%
3.6.21	HT	180545	173352	4%	167643	146636	14%
3.6.22	AMC	299	289	3%	205	234	-12%

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

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.7.1	0-30	179	61	193%	68	48	42%
3.7.2	31-75	321	120	168%	150	103	47%
3.7.3	76-125	485	291	66%	325	282	15%
3.7.4	126-225	884	530	67%	585	501	17%
3.7.5	226-400	1587	1445	10%	983	950	4%
3.7.6	>400	21973	3931	459%	1557	1694	-8%
3.7.7	LT-1	558	261	113%	369	328	12%
3.7.8	LT-2	1988	1694	17%	645	1700	-62%
3.7.9	LT-3	16760	15064	11%	2372	13320	-82%
3.7.10	LT-4	5440	2703	101%	1518	4562	-67%
3.7.11	LT-5	748	555	35%	4814	3468	39%
3.7.12	LT-5 A (ii)	26	140	-81%	4523	3668	23%
3.7.13	LT-5 excluding A(ii)	15650	8676	80%	7321	2666	175%
3.7.14	LT	863	525	64%	827	856	-3%
3.7.15	HT-1	574590	313274	83%	342881	364238	-6%
3.7.16	HT-2	661790	310051	113%	386760	312057	24%
3.7.17	HT-3	1993162	1613788	24%	2012975	1457885	38%
3.7.18	HT-4	2903713	2356667	23%	2034736	1964525	4%
3.7.19	HT-5	2994708	5867549	-49%	1066874	821336	30%
3.7.20	Rescos	1288800000	18700000	6792%	264220534	325914	-
3.7.21	HT	1690240	1415404	19%	1358257	1038952	31%
3.7.22	ACPB	2039	1477	38%	1509	1485	2%

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	2608 (39%)	2410 (35%)	8%	2998 (43%)	-13%	24295 (34%)	22023 (32%)	10%	31683 (43%)	-23%
4.1.2	State Hydel	247 (4%)	243 (4%)	2%	298 (4%)	-17%	4226 (6%)	3679 (5%)	15%	3332 (5%)	27%
4.1.3	CGS	1053 (16%)	1249 (18%)	-16%	876 (13%)	20%	13051 (18%)	12874 (19%)	1%	9826 (13%)	33%
4.1.4	Gas	-1 (0%)	47 (1%)	-	46 (1%)	-101%	228 (0%)	1056 (2%)	-78%	476 (1%)	-52%
4.1.5	IPPs	1040 (16%)	220 (3%)	373%	669 (10%)	56%	6549 (9%)	1845 (3%)	255%	8846 (12%)	-26%
4.1.6	VRE-Wind	310 (5%)	310 (5%)	0%	361 (5%)	-14%	7494 (10%)	8142 (12%)	-8%	7415 (10%)	1%
4.1.7	VRE-Solar	721 (11%)	747 (11%)	-3%	784 (11%)	-8%	7418 (10%)	7245 (11%)	2%	7179 (10%)	3%
4.1.8	RE-Others	24 (0%)	29 (0%)	-17%	44 (1%)	-46%	376 (1%)	274 (0%)	37%	496 (1%)	-24%
4.1.9	Markets	531 (8%)	1557 (23%)	-66%	880 (13%)	-40%	8179 (11%)	11217 (16%)	-27%	3675 (5%)	123%
4.1.10	Others	162 (2%)	58 (1%)	178%	0 (0%)	-	243 (0%)	274 (0%)	-11%	0 (0%)	-
4.1.11	Discom Purchases	6694	6869	-3%	6956	-4%	72058	68628	5%	72929	-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	1648 (31%)	1115 (31%)	48%	1371 (46%)	20%	12858 (33%)	10685 (35%)	20%	14956 (48%)	-14%
4.2.2	State Hydel	52 (1%)	51 (1%)	2%	52 (2%)	0%	628 (2%)	614 (2%)	2%	628 (2%)	0%
4.2.3	CGS	680 (13%)	516 (14%)	32%	319 (11%)	113%	7271 (19%)	5092 (17%)	43%	3646 (12%)	99%
4.2.4	Gas	3 (0%)	16 (0%)	-83%	29 (1%)	-91%	164 (0%)	278 (1%)	-41%	327 (1%)	-50%
4.2.5	IPPs	1743 (33%)	84 (2%)	1979%	250 (8%)	598%	4104 (11%)	704 (2%)	483%	3224 (10%)	27%
4.2.6	VRE-Wind	176 (3%)	146 (4%)	21%	170 (6%)	4%	3589 (9%)	3421 (11%)	5%	3485 (11%)	3%
4.2.7	VRE-Solar	450 (8%)	320 (9%)	40%	355 (12%)	27%	3351 (9%)	2950 (10%)	14%	3272 (10%)	2%
4.2.8	RE-Others	17 (0%)	16 (0%)	11%	25 (1%)	-30%	211 (1%)	127 (0%)	66%	280 (1%)	-25%
4.2.9	Markets	474 (9%)	1261 (35%)	-62%	378 (13%)	25%	6520 (17%)	6126 (20%)	6%	1580 (5%)	313%
4.2.10	Others	102 (2%)	60 (2%)	71%	0 (0%)	-	266 (1%)	224 (1%)	19%	0 (0%)	-
4.2.11	Power Purchase Cost	5345	3583	49%	2949	81%	38962	30221	29%	31399	24%

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	-441	295	-250%	353	-225%	3181	3303	-4%	4238	-25%
4.3.2	State Hydel	52	51	2%	52	0%	628	614	2%	628	0%
4.3.3	CGS	271	124	119%	76	257%	2107	1455	45%	911	131%
4.3.4	Gas	3	2	41%	18	-85%	30	20	53%	213	-86%
4.3.5	IPPs	1389	24	5805%	71	1861%	2200	280	685%	850	159%
4.3.6	Others	0	60	-100%	0	-100%	164	224	-27%	0	-
4.3.7	Fixed Cost	1275	555	130%	570	124%	8310	5896	41%	6840	21%

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	2089	820	155%	1018	105%	9677	7382	31%	10718	-10%
4.4.2	CGS	409	392	4%	243	68%	5164	3637	42%	2735	89%
4.4.3	Gas	0	14	-100%	11	-100%	134	259	-48%	114	18%
4.4.4	IPPs	354	60	487%	179	98%	1905	424	350%	2375	-20%
4.4.5	VRE-Wind	176	146	21%	170	4%	3589	3421	5%	3485	3%
4.4.6	VRE-Solar	450	320	40%	355	27%	3286	2950	11%	3272	0%
4.4.7	RE-Others	17	15	10%	25	-33%	206	122	69%	280	-27%
4.4.8	Markets	474	1261	-62%	378	25%	6506	6126	6%	1580	312%
4.4.9	Others	102	0	-	0	-	102	0	-	0	-
4.4.10	Variable Cost	3967	3028	31%	2379	67%	30467	24320	25%	24559	24%

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	6.32	4.63	37%	4.57	38%	5.29	4.85	9%	4.72	12%
4.5.2	State Hydrel	2.12	2.11	1%	1.76	21%	1.49	1.67	-11%	1.89	-21%
4.5.3	CGS	6.46	4.13	57%	3.64	77%	5.57	3.96	41%	3.71	50%
4.5.4	Gas	-40.44	3.46	-1270%	6.23	-749%	7.18	2.64	172%	6.87	5%
4.5.5	IPPs	16.75	3.81	340%	3.73	349%	6.27	3.81	64%	3.65	72%
4.5.6	VRE-Wind	5.68	4.70	21%	4.70	21%	4.79	4.20	14%	4.70	2%
4.5.7	VRE-Solar	6.23	4.29	45%	4.53	38%	4.52	4.07	11%	4.56	-1%
4.5.8	RE-Others	7.30	5.48	33%	5.65	29%	5.60	4.63	21%	5.65	-1%
4.5.9	Markets	8.92	8.10	10%	4.30	107%	7.97	5.46	46%	4.30	85%
4.5.10	Others	6.31	10.27	-39%	0.00	-	10.94	8.18	34%	0.00	-
4.5.11	Weighted Average	7.98	5.22	53%	4.24	88%	5.41	4.40	23%	4.31	26%

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	-1.69	1.22	-238%	1.18	-243%	1.31	1.50	-13%	1.34	-2%
4.6.2	State Hydrel	2.12	2.11	1%	1.76	21%	1.49	1.67	-11%	1.89	-21%
4.6.3	CGS	2.58	0.99	160%	0.87	198%	1.61	1.13	43%	0.93	74%
4.6.4	Gas	-40.42	0.41	-9997%	3.85	-1151%	1.31	0.19	608%	4.48	-71%
4.6.5	IPPs	13.35	1.07	1149%	1.06	1161%	3.36	1.52	121%	0.96	250%
4.6.6	Others	0.00	10.27	-100%	0.00	-100%	6.74	8.18	-18%	0.00	-
4.6.7	Average FC	1.90	0.81	136%	0.82	132%	1.16	0.86	35%	0.94	24%

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	8.01	3.40	135%	3.40	136%	3.98	3.35	19%	3.38	18%
4.7.2	CGS	3.89	3.14	24%	2.78	40%	3.96	2.82	40%	2.78	42%
4.7.3	Gas	-0.02	3.05	-101%	2.39	-101%	5.87	2.45	139%	2.39	146%
4.7.4	IPPs	3.40	2.74	24%	2.67	27%	2.91	2.30	27%	2.68	8%
4.7.5	VRE-Wind	5.68	4.70	21%	4.70	21%	4.79	4.20	14%	4.70	2%
4.7.6	VRE-Solar	6.23	4.29	45%	4.53	38%	4.52	4.07	11%	4.56	-1%
4.7.7	RE-Others	7.30	5.48	33%	5.65	29%	5.60	4.63	21%	5.65	-1%
4.7.8	Markets	8.92	8.10	10%	4.30	107%	7.97	5.46	46%	4.30	85%
4.7.9	Others	6.31	0.00	-	0.00	-	4.20	0.00	-	0.00	-
4.7.10	Average VC	6.08	4.41	38%	3.42	78%	4.24	3.54	20%	3.37	26%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.8.1	LT	3025	2138	41%	22897	18711	22%
4.8.2	11KV	469	325	44%	3543	2734	30%
4.8.3	33KV	617	386	60%	4151	3219	29%
4.8.4	EHT	1234	734	68%	8371	5556	51%
4.2.11	Power Purchase Cost	5345	3583	49%	38962	30221	29%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.9.1	LT	836	605	38%	7520	6591	14%
4.9.2	11KV	130	92	41%	1164	963	21%
4.9.3	33KV	171	109	56%	1363	1134	20%
4.9.4	EHT	341	208	64%	2749	1957	40%
2.20	Network Cost	1478	1014	46%	12796	10646	20%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.10.1	LT	21	18	17%	249	244	2%
4.10.2	11KV	3	3	20%	38	36	8%
4.10.3	33KV	4	3	32%	45	42	7%
4.10.4	EHT	9	6	39%	91	73	25%
2.23	Retail Supply Cost	38	31	24%	423	394	7%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.11.1	LT	3882	2761	41%	30666	25546	20%
4.11.2	11KV	602	420	44%	4745	3733	27%
4.11.3	33KV	792	499	59%	5559	4395	26%
4.11.4	EHT	1584	948	67%	11212	7586	48%
2.24	Cost of Service	6861	4627	48%	52182	41261	26%

4.12 Losses by Voltage (MU)

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.12.1	LT	152	284	-46%	1477	1338	10%
4.12.2	11KV	260	222	17%	1647	1580	4%
4.12.3	33KV	199	133	50%	1845	2012	-8%
4.12.4	EHT	158	189	-16%	1835	1876	-2%
4.12.5	Loss	770	826	-7%	6803	6806	0%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.13.1	LT	4081	2915	40%	31704	26305	21%
4.13.2	11KV	605	407	49%	4723	3713	27%
4.13.3	33KV	745	458	63%	5340	4222	26%
4.13.4	EHT	1430	847	69%	10415	7020	48%
2.24	Cost of Service	6861	4627	48%	52182	41261	26%

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4.14 Average Cost of Service by Voltage Level (Rs/kWh)

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.14.1	LT	12.7	9.1	39%	8.3	6.9	20%
4.14.2	11KV	12.1	8.4	44%	8.0	6.7	19%
4.14.3	33KV	11.4	7.9	43%	7.7	6.5	19%
4.14.4	EHT	10.9	7.7	41%	7.5	6.2	20%
2.38	ACS	12.1	8.7	40%	8.0	6.7	19%

5. Receivables

5.1 Income Estimates (Rs Cr)

#	Item	Q1	Q2	Q3	Q4	FY23
5.1.1	Subsidy	4057	1066	385	5369	10876
5.1.2	Agriculture Subsidy	3881	740	383	4965	9970
5.1.3	Aquaculture Subsidy	175	325	0	136	637
5.1.4	SC Colonies Subsidy	0	0	0	249	249
5.1.5	ST Thandas Subsidy	0	0	0	19	20
5.1.6	Other Subsidy	0	0	0	0	0
5.1.7	Govt Agencies	586	1413	513	927	3439
5.1.8	Panchayats	59	37	47	101	244
5.1.9	WR Dept	11	648	5	230	894
5.1.10	ULB	79	200	60	201	541
5.1.11	Other Govt Dept	438	527	401	395	1761
5.1.12	Govt serviced debt	260	250	346	216	1073
5.1.13	UDAY Receivables	0	0	0	1882	1882
5.1.14	Private Customers Receivables	8034	8821	8231	8361	33448
5.1.15	Total	12937	11550	9475	16755	50717
5.1.16	Opex Loans	185	1420	118	102	1825
5.1.17	Capex Loans	43	20	21	15	99

5.2 Receivables during Month (Rs Cr)

#	Item	ERC-BE	Demand	Collections		Balance	% ↑	% δ ERC
				CY	PY			
5.2.1	Subsidy	927	421	289	25	131	1055%	-69%
5.2.2	Agriculture Subsidy	758	327	0	21	327	-100%	-100%
5.2.3	Aquaculture Subsidy	79	26	21	0	5	-	-73%
5.2.4	SC Colonies Subsidy	43	25	249	0	-223	-	478%
5.2.5	ST Thandas Subsidy	9	5	19	4	-14	362%	109%
5.2.6	Other Subsidy	37	37	0	0	37	-	-100%
5.2.7	Govt Agencies	408	151	624	638	-473	-2%	53%
5.2.8	Panchayats	142	34	85	25	-51	242%	-40%
5.2.9	WR Dept	60	25	230	420	-204	-45%	285%
5.2.10	ULB	156	29	173	117	-144	47%	11%
5.2.11	Other Govt Dept	50	62	137	76	-74	79%	173%
5.2.12	Govt serviced debt	0	185	0	159	185	-100%	-
5.2.13	UDAY Receivables	0	0	0	0	0	-	-
5.2.14	Private Customers Receivables	2597	1861	2967	2072	-1106	43%	14%
5.2.15	Total	3932	2617	3880	2894	-1263	34%	-1%
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	4921	11123	10195	10876	8227	4241	3918	32%	-2%
5.3.2	Agriculture Subsidy	2242	9097	8683	9970	7500	956	2042	33%	10%
5.3.3	Aquaculture Subsidy	1683	952	404	637	478	1450	1027	33%	-33%
5.3.4	SC Colonies Subsidy	724	517	516	249	236	990	486	5%	-52%
5.3.5	ST Thandas Subsidy	249	111	105	20	13	334	139	56%	-82%
5.3.6	Other Subsidy	23	446	488	0	0	510	223	-	-100%
5.3.7	Govt Agencies	9261	4890	5486	3439	4038	11309	2651	-15%	-30%
5.3.8	Panchayats	3800	1705	1557	244	1343	5113	1540	-82%	-86%
5.3.9	WR Dept	4725	715	1334	894	532	5165	849	68%	25%

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5.3.10	ULB	245	1870	623	541	834	327	95	-35%	-71%
5.3.11	Other Govt Dept	491	600	1973	1761	1329	703	167	32%	193%
5.3.12	Govt serviced debt	0	0	1383	1073	1266	310	0	-15%	-
5.3.13	UDAY Receivables	0	0	0	1882	0	-1882	0	-	-
5.3.14	Private Customers Receivables	3565	31170	32915	33448	26635	3032	1907	26%	7%
5.3.15	Total	17747	47183	49979	50717	40166	17009	8475	26%	7%
5.3.16	Opex Loans	0	0	635	1825	5778	1189	0	-68%	-
5.3.17	Capex Loans	0	0	99	99	165	0	0	-40%	-

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6. Payables

6.1 Expenditure for FY23 (Rs Cr)

#	Item	Q1	Q2	Q3	Q4	FY23
6.1.1	PP Cost	10259	8791	8660	11251	38962
6.1.2	State Thermal	3147	2706	3302	3703	12858
6.1.3	State Hydel	157	157	157	157	628
6.1.4	CGS	1726	1900	1819	1826	7271
6.1.5	IPPs Gas	76	66	14	8	164
6.1.6	IPPs Thermal	542	641	724	2197	4104
6.1.7	VRE- Wind	1033	1561	493	502	3589
6.1.8	VRE- Solar	816	750	749	1037	3351
6.1.9	RE-Others	51	55	57	48	211
6.1.10	Market	2573	943	1332	1672	6520
6.1.11	Other	138	13	13	101	266
6.1.12	Wind @ interim rate	0	0	0	0	0
6.1.13	Solar @ interim rate	0	0	0	0	0
6.1.14	CTU Cost	303	236	476	434	1449
6.1.15	STU Cost	699	674	683	619	2675
6.1.16	Distribution Cost	2022	2268	2181	2625	9095
6.1.17	O&M Cost	1290	1473	1441	1479	5683
6.1.18	HR Cost	1088	1249	1240	1210	4787
6.1.19	A&G Cost	49	62	41	59	212
6.1.20	R&M Cost	153	162	159	209	683
6.1.21	Depreciation	394	463	397	448	1702
6.1.22	ROCE	87	97	108	107	399
6.1.23	Others	251	235	235	591	1311
6.1.24	Cost of Service	13283	11969	12000	14930	52181
7.1.1	Capex Debt service (P+I)	376	394	403	417	1590
7.1.2	Opex Debt service (P+I)	1555	2318	3032	1980	8885

6.2 Payables during the Month (Rs Cr)

#	Item	ERC-BE	Payable	Paid		Balance	% ↑	% δ ERC
				CY	PY			
6.2.1	PP Cost	2949	5345	4898	2596	447	89%	66%
6.2.2	State Thermal	1371	1648	1640	531	8	209%	20%
6.2.3	State Hydel	52	52	57	52	-5	10%	9%
6.2.4	CGS	319	680	638	773	42	-17%	100%
6.2.5	IPPs Gas	29	3	0	13	3	-100%	-100%
6.2.6	IPPs Thermal	250	1743	1222	88	521	1289%	390%
6.2.7	VRE- Wind	170	176	681	0	-505	-	301%
6.2.8	VRE- Solar	355	450	243	0	207	-	-32%
6.2.9	RE-Others	25	17	19	0	-2	-	-24%
6.2.10	Market	378	474	398	1139	76	-65%	5%
6.2.11	Other	0	102	0	0	102	-	-100%
6.2.12	Wind @ interim rate	170	0	0	0	0	-	-100%
6.2.13	Solar @ interim rate	355	0	0	0	0	-	-100%
6.2.14	CTU Cost	68	270	158	96	112	65%	132%
6.2.15	STU Cost	247	169	191	118	-22	62%	-23%
6.2.16	Distribution Cost	864	1077	644	635	433	1%	-25%
6.2.17	O&M Cost	535	442	527	516	-84	2%	-2%
6.2.18	HR Cost	429	338	414	433	-76	-5%	-4%
6.2.19	A&G Cost	33	14	18	15	-4	19%	-46%
6.2.20	R&M Cost	73	91	95	68	-5	40%	30%
6.2.21	Depreciation	127	166	66	66	0	0%	-48%
6.2.22	ROCE	162	40	0	0	0	-	-100%
6.2.23	Others	40	429	51	52	378	-3%	29%
6.2.24	Cost of Service	4129	6860	5891	3445	969	71%	43%
7.2.2	Capex Debt service (P+I)	79	139	139	130	0	6%	77%

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7.2.1	Opex Debt service (P+I)	0	484	461	483	23	-5%	0%
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6.3 Payables YTD (Rs Cr)

#	Item	OB	ERC-BE	Payable	Paid		CB	OD > 180 Days	% ↑	% δ ERC
					CY	PY				
6.3.1	PP Cost	11142	31399	38962	43127	32091	6977	1996	34%	37%
6.3.2	State Thermal	1525	14956	12858	16643	14041	-2260	740	19%	11%
6.3.3	State Hydel	77	628	628	699	637	6	113	10%	11%
6.3.4	CGS	1357	3646	7271	8821	7834	-193	24	13%	142%
6.3.5	IPPs Gas	63	327	164	161	313	66	4	-49%	-51%
6.3.6	IPPs Thermal	559	3224	4104	3578	861	1085	188	316%	11%
6.3.7	VRE- Wind	5351	3485	3589	5615	1398	3325	788	302%	61%
6.3.8	VRE- Solar	2053	3272	3351	1450	730	3954	136	99%	-56%
6.3.9	RE-Others	73	280	211	167	169	117	3	-1%	-40%
6.3.10	Market	84	1580	6520	5993	6108	611	0	-2%	279%
6.3.11	Other	0	0	266	0	0	266	0	-	-100%
6.3.12	Wind @ interim rate	0	3485	0	0	4	0	0	-100%	-100%
6.3.13	Solar @ interim rate	7	3272	0	1	22	6	0	-96%	-100%
6.3.14	CTU Cost	86	817	1449	1677	1149	-142	0	46%	105%
6.3.15	STU Cost	1995	2964	2675	2384	1875	2286	78	27%	-20%
6.3.16	Distribution Cost	0	10370	9095	6725	6864	2370	0	-2%	-35%
6.3.17	O&M Cost	0	6423	5683	6021	5488	-338	0	10%	-6%
6.3.18	HR Cost	0	5148	4787	5076	4662	-288	0	9%	-1%
6.3.19	A&G Cost	0	394	212	250	238	-38	0	5%	-37%
6.3.20	R&M Cost	0	880	683	695	588	-12	0	18%	-21%
6.3.21	Depreciation	0	1529	1702	66	784	0	0	-92%	-96%
6.3.22	ROCE	0	1942	399	0	0	0	0	-	-100%
6.3.23	Others	0	476	1311	638	592	673	0	8%	34%
6.3.24	Cost of Service	13223	45549	52181	53913	41978	11491	2074	28%	18%
7.3.1	Capex Debt service (P+I)	0	943	1590	1624	1480	-34	0	10%	72%
7.3.2	Opex Debt service (P+I)	0	0	8885	10024	10739	-1139	0	-7%	-

7. Debt Servicing

7.1 Debt Servicing Schedule (Rs Cr)

#	Item	Q1	Q2	Q3	Q4	FY23
7.1.1	ERC allowed-Capex Debt	376	394	403	417	1590
7.1.2	ERC disallowable-Opex Debt	1555	2318	3032	1980	8885
7.1.3	Debt Servicing	1931	2712	3435	2396	10474

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	79	139	139	130	0	6%	77%
7.2.2	ERC disallowable-Opex Debt	0	484	461	483	23	-5%	0%
7.2.3	Debt Servicing	79	622	600	613	23	-2%	663%

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	943	1590	1624	1480	-34	0	10%	72%
7.3.2	ERC disallowable-Opex Debt	0	0	8885	10024	10739	-1139	35	-7%	0%
7.3.3	Debt Servicing	0	943	10474	11648	12219	-1173	35	-5%	1136%

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	6510	5273	23%	13386	5831	130%	19896	11104	79%
7.4.2	PFC	1493	681	119%	13866	5123	171%	15359	5804	165%
7.4.3	APPFCL	0	0	-	8857	11667	-24%	8857	11667	-24%
7.4.4	BANKS	1309	1532	-15%	1321	1395	-5%	2630	2927	-10%
7.4.5	IREDA	0	0	-	210	874	-76%	210	874	-76%
7.4.6	ICD	0	0	-	1535	784	96%	1535	784	96%
7.4.7	PTC	0	0	-	44	109	-60%	44	109	-60%
7.4.8	GOAP	9	9	0%	0	0	-	9	9	0%
7.4.9	OTHERS	1116	690	62%	2532	4087	-38%	3649	4776	-24%
7.4.10	Debt Outstanding	10438	8184	28%	41751	29870	40%	52189	38055	37%

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 ³ 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 Financial Year
CY	Current Financial Year
Tariff Categories	
Category segregation for previous years are considered as per the categories mentioned in recent APERC Retail Supply Tariff Order irrespective of categories at that period and the sub categories are mentioned as below.	
0-30	LT Domestic Consumers with consumption < 30units in the month
31-75	LT Domestic Consumers with consumption > 30 units and <=75 units in the month
76-125	LT Domestic Consumers with consumption > 75 units and <=125 units in the month
126-225	LT Domestic Consumers with consumption > 125 units and <=225 units in the month
226-400	LT Domestic Consumers with consumption > 225 units and <=400 units in the month
>400	LT Domestic Consumers with consumption > 400units in the month
LT-1	Domestic (LT)
LT-2	Commercial (LT)- Minor (<50kWh), Major (>50kWh), Advertising Hoardings, Function Halls/ Auditorium, Startup Power, Electric Vehicles/Charging Stations
LT-3	Industrial (LT)- General, Poultry Hatcheries & Feed Mixing Plants, Aqua Hatcheries and Feed Mixing Plants, Seasonal Industries, Cottage Industries (<10HP)
LT-4	Institutional (LT)- Utilities (Street Lighting, NTR Sujala Pathakam, CPWS, PWS), General Purpose, Religious Places
LT-5	Agriculture (LT)- Corporate Farming, Non-Corporate Farming, Salt Farming, Horticulture, Flora Culture, Sugarcane Crushing, Aqua Culture and Animal Husbandry, Agro based Cottage Industries
LT-5 A(ii)	Sales incurred for Free Agriculture
HT	High Tension
HT-1	Domestic (HT)- Townships, Colonies, Gated Communities and Villas
HT-2	Commercial (HT)- Major, Function Halls/ Auditoriums, Startup power, Electric Vehicles/ Charging Stations, Green Power
HT-3	Industrial (HT)- General, Poultry Hatcheries & Feed Mixing Plants, Aqua Hatcheries and Feed Mixing Plants, Industrial Colonies, Seasonal Industries, Energy Intensive Industries

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HT-4	Institutional (HT)- Utilities (Street Lighting, NTR Sujala Pathakam, CPWS, PWS), General Purpose, Religious Places, Electric Traction
HT-5	Agriculture (HT)-Aqua Culture and Animal Husbandry, Government/Private Lift irrigation
Rescos	Rural Electric Supply Cooperative Societies
Temporary Supply	There is no separate category for temporary supply. However, Temporary supply can be released against each category with respective terms and conditions applicable and it shall be billed at the rate and other conditions specified in this order.
Categories not defined in either HT-Supply or LT-Supply shall be billed at the rates specified in Category - II (A) (ii) Commercial – Major 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

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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

1. Sales

Energy (MU)		
1.01	Metered Sales	Discom Sales-Agricultural Consumption (Unmetered)
3.1.12	AgI Consumption	Refer 3.1.12
3.1.22	Discom Sales	D =Refer 3.1.22
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. 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
5.2.15	Discom Collections	Refer 5.2.15
1.07	Metered Sales	Collections from Metered Sales
3.3.12	AgI 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		
3.5.22	ARR	Refer 3.5
3.6.22	AMC	Refer 3.6
3.7.22	ACPB	Refer 3.7

Note:

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

2. Purchases

Power Purchase		
3.1.22	Discom Sales	D =Refer 3.1.22
2.01	Discom Losses	Loss Incurred at Voltage <= 33KV
2.02	Discom Input	C =Input at Discom Periphery
2.03	Transmission Loss	B = Loss 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 Central 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	$\frac{\text{Distribution Network Cost (Rs Cr)} \times 100}{\text{Total Distribution Capacity Contracted by Discoms (MW)}} \text{ (Rs Lacs/MW/Month)}$
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
2.12	Distribution Network Cost	c =Expenditure incurred to Discoms for wheeling of Energy through its Network (d+h+i+j)

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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 = value of a fixed asset minus all of the accumulated depreciation that has been recorded against it
2.18	ROCE	i =Return on Capital Employed
2.19	Others	j =Any other Cost
2.20	Network Cost	CTU Cost + STU Cost + Distribution Cost
Retail Supply Cost (Rs Cr)		
2.21	B&C Cost and Supply Margin	k =Billing and Collection Cost and Supply Gain Margin
2.22	Interest on Security Deposits	l =interest on security deposit collected from the consumers
2.23	Retail Supply Cost	k+l
Cost of Service (Rs Cr)		
2.24	Cost of Service	Power Purchase Cost + Network Cost +Retail Supply Cost
7.2.2	ERC Disallowed Debt Service	Refer 7.2.2
KPIs on Purchase basis		
4.5.11	Energy Cost on Purchase Basis	Refer 4.5.11
2.25	STU Cost per Unit	$\frac{\text{STU Cost(Rs Cr)} \times 10}{\text{Discom Purchase(MU)}} \text{ (Rs /kWh)}$
2.26	CTU Cost per Unit	$\frac{\text{CTU Cost(Rs Cr)} \times 10}{\text{Discom Purchase(MU)}} \text{ (Rs /kWh)}$
2.27	CTU Cost Per Unit on CGS purchases	$\frac{\text{CTU Cost(Rs Cr)} \times 10}{\text{CGS Purchases by Discom(MU)}} \text{ (Rs /kWh)}$
2.28	Distribution Network Cost per Unit	$\frac{\text{Distribution Network Cost(Rs Cr)} \times 10}{\text{Discom Purchase(MU)}} \text{ (Rs /kWh)}$
2.29	Network Cost per Unit	$\frac{\text{Total Network Cost(Rs Cr)} \times 10}{\text{Discom Purchase(MU)}} \text{ (Rs /kWh)}$
2.30	Retail Supply Cost per Unit	$\frac{\text{Total Supply Cost(Rs Cr)} \times 10}{\text{Discom Purchase(MU)}} \text{ (Rs /kWh)}$
2.31	Cost of Service per Unit	$\frac{\text{Cost of Service(Rs Cr)} \times 10}{\text{Discom Purchase(MU)}} \text{ (Rs /kWh)}$
KPIs on Sales basis		
2.32	Energy Cost on Sales Basis	$\frac{\text{Power Purchase Cost(Rs Cr)} \times 10}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
2.33	STU Cost per Unit	$\frac{\text{STU Cost(Rs Cr)} \times 10}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
2.34	CTU Cost per Unit	$\frac{\text{CTU Cost(Rs Cr)} \times 10}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
2.35	Distribution Network Cost per Unit	$\frac{\text{Distribution Network Cost(Rs Cr)} \times 10}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
2.36	Network Cost per Unit	$\frac{\text{Total Network Cost(Rs Cr)} \times 10}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
2.37	Retail Supply Cost per Unit	$\frac{\text{Total Supply Cost(Rs Cr)} \times 10}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
2.38	ACS	$\frac{\text{Cost of Service(Rs. Cr)} \times 10}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
2.39	ERC Disallowed Debt Service per Unit	$\frac{\text{ERC Disallowed Debt Service(Rs. Cr)} \times 10}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
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 =Aggregate Technical and Commercial Loss =L/C *100
ARR-ACS GAP		
2.44	GAP	=ARR-ACS

Note:

1. 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

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

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

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

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

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

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

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

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

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

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

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

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

4.12 Losses by Voltage Level (MU)- Transmission & Distribution losses segregated by Voltage

$$4.13 \text{ Cost of Service by Voltage Level on Purchase basis (Rs Cr)} = \frac{\text{Cost of Service(Rs Cr)} \times \text{Energy Purchased against sales by Voltage (MU)}}{\text{Energy Purchased(MU)}}$$

Where, Energy Purchased against sales by Voltage (MU)= (Sales at Voltage Level+ Portion of net T&D losses due to Sales at that voltage level)

$$4.14 \text{ Average Cost of Service by Voltage Level (Rs/kWh)} = \frac{\text{Cost of Service by voltage level on Purchase Basis at specified voltage (Rs Cr)} \times 10}{\text{Sales at Same Voltage Level(MU)}}$$

Note:

1. ERC data is taken from Tariff order published by APERC in the respective year
2. 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 (Apr-Mar)

1. 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

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

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

1. Payables data is obtained from APPCC
2. 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)- Dues paid made during the period

7.3 Debt Servicing YTD (Rs Cr)- Dues paid made during the year

7.4 Debt Outstanding (Rs Cr)- Debt Outstanding as on 31st March of Specified Year

1. Debt servicing data is obtained from APPCC