

Andhra Pradesh Electricity Distribution Companies Monthly Report on Key Performance Indicators December - 2022

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	4365 (87%)	3819 (90%)	14%	41991 (86%)	38557 (83%)	9%
3.1.12	Agl Consumption	MU	652 (13%)	437 (10%)	49%	6700 (14%)	7678 (17%)	-13%
3.1.22	Discom Sales	MU	5017	4256	18%	48692	46236	5%
1.02	Private Sales	MU	3942 (79%)	3212 (75%)	23%	40495 (83%)	36999 (80%)	9%
1.03	Government Sales	MU	443 (9%)	397 (9%)	12%	3376 (7%)	3368 (7%)	0%
1.04	Government Subsidy	MU	631 (13%)	647 (15%)	-2%	4821 (10%)	5784 (13%)	-17%
Collection (Rs. Cr)								
1.05	Opening Debtors	Rs Cr	14700	11775	25%	12699	10523	21%
5.2.14	Pvt Sales	Rs Cr	2670	2056	30%	25086	20762	21%
5.2.7	Gov Sales	Rs Cr	137	261	-47%	2512	2611	-4%
5.2.1	Gov Subsidy	Rs Cr	0	2075	-100%	5507	7490	-26%
1.06	Others	Rs Cr	185	160	16%	880	908	-3%
5.2.15	Discom Collections	Rs Cr	2992	4553	-34%	33985	31771	7%
1.07	Metered Sales	Rs Cr	2804	2691	4%	28066	23937	17%
3.3.12	Agl Collections	Rs Cr	6	1704	-100%	5039	6929	-27%
1.08	Revenue from Sale	Rs Cr	3698	3140	18%	35004	30069	16%
1.09	Adj Revenue from Sale	Rs Cr	2926	4046	-28%	33200	30606	8%
1.10	Closing Debtors	Rs Cr	15067	11833	27%	15067	11833	27%
1.11	Adj Closing Debtors	Rs Cr	15067	11833	27%	15067	11833	27%
KPIs								
3.5.22	ARR	Rs/kWh	5.60	10.33	-46%	6.80	6.68	2%
3.6.22	AMC	kWh/bill/Mth	218	234	-7%	210	241	-13%
3.7.22	ACPB	Rs/bill/Mth	1223	2418	-49%	1426	1612	-12%

2. Purchases

#	Item	Units	Month			YTD		
			CY	PY	% ↑	CY	PY	% ↑
Power Purchase								
3.1.22	Discom Sales	MU	5017 (89%)	4256 (87%)	18%	48692 (90%)	46236 (90%)	5%
2.01	Discom Losses	MU	384 (7%)	331 (7%)	16%	3470 (6%)	3468 (7%)	0%
2.02	Discom Input	MU	5342 (95%)	4835 (98%)	10%	50582 (94%)	48270 (94%)	5%
2.03	Transmission Loss	MU	132 (2%)	129 (3%)	3%	1367 (3%)	1391 (3%)	-2%
4.1.11	Discom Purchases	MU	5619	4909	14%	53971	51108	6%
4.2.11	Power Purchase Cost	Rs. Cr	3321 (75%)	2051 (68%)	62%	27710 (74%)	22104 (73%)	25%
Contracted Network Capacity (MW)								
2.04	STU	MW	13877	12843	8%	13877	12843	8%
2.05	CTU	MW	1665	1694	-2%	1965	1850	6%
2.06	Distribution	MW	12412	11334	10%	12412	11334	10%
Capacity Charges								
2.07	STU Charges	Rs. Lacs/MW/Mth	1.7	1.6	6%	1.6	1.5	6%
2.08	CTU Charges	Rs. Lacs/MW/Mth	8.0	4.5	78%	5.7	3.2	77%
2.09	Distribution Charges	Rs. Lacs/MW/Mth	5.5	5.8	-5%	5.6	5.4	2%
Network Cost (Rs. Cr)								
2.10	STU Cost	Rs Cr	233 (5%)	202 (7%)	15%	2056 (6%)	1790 (6%)	15%
2.11	CTU Cost	Rs Cr	134 (3%)	77 (3%)	74%	1015 (3%)	537 (2%)	89%
2.12	Distribution Network Cost	Rs Cr	682 (15%)	655 (22%)	4%	6206 (17%)	5539 (18%)	12%
2.13	O&M Cost	Rs Cr	455	455	0%	4204	3762	12%
2.14	HR Cost	Rs Cr	386	380	1%	3577	3179	13%
2.15	A&G Cost	Rs Cr	10	20	-53%	153	153	0%
2.16	R & M Cost	Rs Cr	60	54	11%	474	430	10%
2.17	Depreciation	Rs Cr	143	132	8%	1254	1159	8%
2.18	ROCE	Rs Cr	29	27	7%	281	210	34%
2.19	Others	Rs Cr	54	40	34%	467	408	14%
2.20	Network Cost	Rs Cr	1048 (24%)	933 (31%)	12%	9277 (25%)	7867 (26%)	18%
Retail Supply Cost (Rs. Cr)								
2.21	B&C Cost and Supply Margin	Rs Cr	16	15	6%	139	136	3%
2.22	Interest on Security Deposits	Rs Cr	19	18	8%	176	163	8%
2.23	Retail Supply Cost	Rs Cr	36 (1%)	33 (1%)	7%	316 (1%)	298 (1%)	6%
Cost of Service (Rs. Cr)								
2.24	Cost of Service	Rs Cr	4405	3018	46%	37303	30269	23%
7.2.2	ERC Disallowed Debt	Rs Cr	849	1184	-28%	7394	9224	-20%
KPIs on Purchase basis								
4.5.11	Energy Cost on Purchase Basis	Rs/kWh	5.91	4.18	41%	5.13	4.32	19%
2.25	STU Cost per Unit	Rs/kWh	0.41	0.41	1%	0.38	0.35	9%
2.26	CTU Cost per Unit	Rs/kWh	0.24	0.16	52%	0.19	0.11	79%
2.27	CTU Cost Per Unit on CGS purchases	Rs/kWh	1.38	0.70	97%	1.02	0.58	75%
2.28	Distribution Network Cost per Unit	Rs/kWh	1.21	1.33	-9%	1.15	1.08	6%
2.29	Network Cost per Unit	Rs/kWh	1.87	1.88	-1%	1.72	1.54	12%
2.30	Retail Supply Cost per Unit	Rs/kWh	0.06	0.07	-7%	0.06	0.06	0%
2.31	Cost of Service per Unit	Rs/kWh	7.84	6.15	28%	6.91	5.92	17%
KPIs on Sales basis								
2.32	Energy Cost on Sales Basis	Rs/kWh	6.62	4.82	37%	5.69	4.78	19%
2.33	STU Cost per Unit	Rs/kWh	0.46	0.46	2%	0.42	0.39	9%
2.34	CTU Cost per Unit	Rs/kWh	0.27	0.18	48%	0.21	0.12	79%
2.35	Distribution Network Cost per Unit	Rs/kWh	1.36	1.54	-12%	1.27	1.20	6%
2.36	Network Cost per Unit	Rs/kWh	2.09	2.19	-5%	1.91	1.70	12%

2.37	Retail Supply Cost per Unit	Rs/kWh	0.07	0.08	-9%		0.06	0.06	0%
2.38	ACS	Rs/kWh	8.78	7.09	24%		7.66	6.55	17%
2.39	ERC Disallowed Debt per Unit	Rs/kWh	1.69	2.78	-39%		1.52	1.99	-24%
AT&C Losses									
2.40	Collection η	%	69%	127%	-46%		88%	97%	-10%
2.41	Units Realized	MU	3471	5626	-38%		41577	43647	-5%
2.42	Units Unrealized	MU	1871	-791	-337%		9005	4623	95%
2.43	AT&C Losses	%	35%	-16%	-314%		18%	10%	86%
ARR-ACS GAP									
2.44	GAP	Rs/kWh	-3.18	3.23	-198%		-0.86	0.13	-768%

3. Sales by Categories

3.1 Energy Sales by Category

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.1.1	0-30	41 (1%)	37 (1%)	10%	281 (1%)	252 (1%)	12%
3.1.2	31-75	246 (5%)	248 (6%)	-1%	1845 (4%)	1757 (4%)	5%
3.1.3	76-125	352 (7%)	352 (8%)	0%	3155 (6%)	3023 (7%)	4%
3.1.4	126-225	376 (7%)	359 (8%)	5%	4400 (9%)	4484 (10%)	-2%
3.1.5	226-400	125 (2%)	117 (3%)	6%	2636 (5%)	2673 (6%)	-1%
3.1.6	>400	44 (1%)	45 (1%)	-2%	1605 (3%)	1730 (4%)	-7%
3.1.7	LT-1	1185 (24%)	1159 (27%)	2%	13921 (29%)	13918 (30%)	0%
3.1.8	LT-2	266 (5%)	233 (5%)	14%	2728 (6%)	2294 (5%)	19%
3.1.9	LT-3	127 (3%)	109 (3%)	16%	1217 (3%)	1152 (2%)	6%
3.1.10	LT-4	141 (3%)	111 (3%)	27%	1250 (3%)	1062 (2%)	18%
3.1.11	LT-5	973 (19%)	716 (17%)	36%	9896 (20%)	10753 (23%)	-8%
3.1.12	LT-5 A (ii)	652 (13%)	437 (10%)	49%	6700 (14%)	7678 (17%)	-13%
3.1.13	LT-5 excluding A(ii)	321 (6%)	279 (7%)	15%	3196 (7%)	3074 (7%)	4%
3.1.14	LT	2691 (54%)	2327 (55%)	16%	29013 (60%)	29178 (63%)	-1%
3.1.15	HT-1	4 (0%)	3 (0%)	36%	50 (0%)	49 (0%)	3%
3.1.16	HT-2	152 (3%)	123 (3%)	24%	1419 (3%)	1138 (2%)	25%
3.1.17	HT-3	1804 (36%)	1467 (34%)	23%	15123 (31%)	12761 (28%)	19%
3.1.18	HT-4	221 (4%)	193 (5%)	15%	2094 (4%)	1727 (4%)	21%
3.1.19	HT-5	120 (2%)	129 (3%)	-7%	651 (1%)	1032 (2%)	-37%
3.1.20	Rescos	24 (0%)	15 (0%)	64%	341 (1%)	351 (1%)	-3%
3.1.21	HT	2326 (46%)	1929 (45%)	21%	19679 (40%)	17058 (37%)	15%
3.1.22	Discom Sales	5017	4256	18%	48692	46236	5%

3.2 Energy Sales by Voltage Level (MU)

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.2.1	LT	2691	2327	16%	28970	29154	-1%
3.2.2	11KV	476	411	16%	4449	4159	7%
3.2.3	33KV	586	548	7%	5156	4855	6%
3.2.4	EHT	1264	970	30%	10117	8069	25%
3.1.22	Discom Sales	5017	4256	18%	48691	46236	5%

3.3 Collection by Category (Rs Cr)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.3.1	0-30	31 (1%)	18 (0%)	76%	199 (1%)	155 (1%)	28%
3.3.2	31-75	86 (3%)	46 (1%)	87%	559 (2%)	425 (1%)	31%
3.3.3	76-125	134 (5%)	86 (2%)	55%	1056 (3%)	926 (3%)	14%
3.3.4	126-225	170 (6%)	107 (2%)	60%	1780 (5%)	1650 (5%)	8%
3.3.5	226-400	75 (3%)	53 (1%)	41%	1489 (4%)	1420 (5%)	5%
3.3.6	>400	34 (1%)	27 (1%)	25%	1145 (3%)	1254 (4%)	-9%
3.3.7	LT-1	530 (19%)	337 (8%)	57%	6228 (19%)	5830 (19%)	7%
3.3.8	LT-2	321 (11%)	250 (6%)	28%	3123 (9%)	2482 (8%)	26%
3.3.9	LT-3	119 (4%)	102 (2%)	17%	1105 (3%)	966 (3%)	14%
3.3.10	LT-4	23 (1%)	58 (1%)	-61%	409 (1%)	1476 (5%)	-72%
3.3.11	LT-5	122 (4%)	2130 (48%)	-94%	6464 (20%)	8115 (26%)	-20%
3.3.12	LT-5 A (ii)	6 (0%)	1704 (39%)	-100%	5039 (15%)	6929 (22%)	-27%
3.3.13	LT-5 excluding A(ii)	116 (4%)	426 (10%)	-73%	1424 (4%)	1187 (4%)	20%
3.3.14	LT	1115 (40%)	2877 (65%)	-61%	17329 (52%)	18869 (61%)	-8%
3.3.15	HT-1	3 (0%)	4 (0%)	-12%	36 (0%)	40 (0%)	-11%

3.3.16	HT-2	170 (6%)	142 (3%)	20%	1616 (5%)	1293 (4%)	25%
3.3.17	HT-3	1370 (49%)	963 (22%)	42%	11745 (35%)	9118 (30%)	29%
3.3.18	HT-4	137 (5%)	157 (4%)	-12%	1494 (5%)	1206 (4%)	24%
3.3.19	HT-5	5 (0%)	251 (6%)	-98%	700 (2%)	312 (1%)	124%
3.3.20	Rescos	8 (0%)	2 (0%)	310%	186 (1%)	27 (0%)	580%
3.3.21	HT	1694 (60%)	1518 (35%)	12%	15777 (48%)	11997 (39%)	32%
3.3.22	Discom Collections	2810	4395	-36%	33106	30866	7%

3.4 Bills by Category (Nos)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.4.1	0-30	37,23,502(16%)	33,73,726(19%)	10%	37,23,502(14%)	35,27,008(17%)	6%
3.4.2	31-75	46,62,864(20%)	46,86,507(26%)	-1%	46,62,864(18%)	46,86,507(22%)	-1%
3.4.3	76-125	36,20,075(16%)	35,73,714(20%)	1%	37,78,179(15%)	35,91,647(17%)	5%
3.4.4	126-225	23,50,761(10%)	22,92,180(13%)	3%	32,54,941(13%)	33,17,541(16%)	-2%
3.4.5	226-400	4,54,293(2%)	4,25,779(2%)	7%	14,34,087(6%)	13,92,536(7%)	3%
3.4.6	>400	1,32,916(1%)	82,225(0%)	62%	7,35,629(3%)	6,56,171(3%)	12%
3.4.7	LT-1	1,49,44,411(65%)	1,44,34,131(79%)	4%	1,75,89,202(68%)	1,71,71,410(81%)	2%
3.4.8	LT-2	52,81,034(23%)	15,57,180(9%)	239%	52,81,034(20%)	15,57,180(7%)	239%
3.4.9	LT-3	5,24,960(2%)	81,135(0%)	547%	5,24,960(2%)	81,242(0%)	546%
3.4.10	LT-4	2,96,864(1%)	3,37,317(2%)	-12%	3,48,471(1%)	3,38,221(2%)	3%
3.4.11	LT-5	19,16,518(8%)	17,52,365(10%)	9%	20,41,159(8%)	21,12,987(10%)	-3%
3.4.12	LT-5 A (ii)	18,26,685(8%)	16,57,164(9%)	10%	18,26,685(7%)	16,80,019(8%)	9%
3.4.13	LT-5 excluding A(ii)	89,833(0%)	95,201(1%)	-6%	2,14,474(1%)	4,32,968(2%)	-50%
3.4.14	LT	2,29,63,787(100%)	1,81,62,128(100%)	26%	2,57,84,826(100%)	2,12,61,040(100%)	21%
3.4.15	HT-1	119(0%)	112(0%)	6%	119(0%)	112(0%)	6%
3.4.16	HT-2	4,850(0%)	4,455(0%)	9%	4,850(0%)	4,474(0%)	8%
3.4.17	HT-3	6,578(0%)	6,263(0%)	5%	6,578(0%)	7,011(0%)	-6%
3.4.18	HT-4	808(0%)	699(0%)	16%	808(0%)	719(0%)	12%
3.4.19	HT-5	724(0%)	714(0%)	1%	724(0%)	752(0%)	-4%
3.4.20	Rescos	1(0%)	1(0%)	0%	1(0%)	82(0%)	-99%
3.4.21	HT	13,080(0%)	12,244(0%)	7%	13,080(0%)	13,150(0%)	-1%
3.4.22	Discom Bills	2,29,76,867	1,81,74,372	26%	2,57,97,906	2,12,74,190	21%

3.5 Average Revenue Realized by Category (Rs/kWh)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.5.1	0-30	7.56	4.73	60%	7.07	6.17	15%
3.5.2	31-75	3.50	1.86	88%	3.03	2.42	25%
3.5.3	76-125	3.80	2.46	55%	3.35	3.06	9%
3.5.4	126-225	4.53	2.97	53%	4.05	3.68	10%
3.5.5	226-400	6.01	4.54	32%	5.65	5.31	6%
3.5.6	>400	7.56	5.94	27%	7.13	7.25	-2%
3.5.7	LT-1	4.47	2.91	54%	4.47	4.19	7%
3.5.8	LT-2	12.07	10.75	12%	11.45	10.82	6%
3.5.9	LT-3	9.44	9.36	1%	9.08	8.39	8%
3.5.10	LT-4	1.63	5.23	-69%	3.27	13.90	-76%
3.5.11	LT-5	1.25	29.77	-96%	6.53	7.55	-13%
3.5.12	LT-5 A (ii)	0.09	39.00	-100%	7.52	9.02	-17%
3.5.13	LT-5 excluding A(ii)	3.63	15.30	-76%	4.46	3.86	15%
3.5.14	LT	4.14	12.36	-66%	5.97	6.47	-8%
3.5.15	HT-1	7.33	11.35	-35%	7.17	8.25	-13%
3.5.16	HT-2	11.22	11.56	-3%	11.39	11.36	0%
3.5.17	HT-3	7.59	6.56	16%	7.77	7.15	9%
3.5.18	HT-4	6.21	8.13	-24%	7.14	6.98	2%
3.5.19	HT-5	0.45	19.46	-98%	10.75	3.02	256%
3.5.20	Rescos	3.47	1.38	150%	5.45	0.78	600%
3.5.21	HT	7.29	7.87	-7%	8.02	7.03	14%

3.5.22	ARR	5.60	10.33	-46%	6.80	6.68	2%
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3.6 Average Monthly Consumption by Category (kWh/Bill/Month)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.6.1	0-30	11	11	-1%	8	8	6%
3.6.2	31-75	53	53	0%	44	42	6%
3.6.3	76-125	97	98	-1%	93	94	-1%
3.6.4	126-225	160	157	2%	150	150	0%
3.6.5	226-400	275	276	0%	204	213	-4%
3.6.6	>400	334	549	-39%	242	293	-17%
3.6.7	LT-1	79	80	-1%	88	90	-2%
3.6.8	LT-2	50	149	-66%	57	164	-65%
3.6.9	LT-3	241	1344	-82%	258	1576	-84%
3.6.10	LT-4	476	330	44%	398	349	14%
3.6.11	LT-5	508	408	24%	539	565	-5%
3.6.12	LT-5 A (ii)	357	264	35%	408	508	-20%
3.6.13	LT-5 excluding A(ii)	3568	2927	22%	1656	789	110%
3.6.14	LT	117	128	-9%	125	152	-18%
3.6.15	HT-1	37227	29046	28%	46824	48524	-4%
3.6.16	HT-2	31330	27507	14%	32509	28251	15%
3.6.17	HT-3	274302	234211	17%	255455	202232	26%
3.6.18	HT-4	273490	275493	-1%	287942	266926	8%
3.6.19	HT-5	165442	180579	-8%	99964	152544	-34%
3.6.20	Rescos	24300000	14848495	64%	37885446	475282	7871%
3.6.21	HT	177813	157547	13%	167167	144128	16%
3.6.22	AMC	218	234	-7%	210	241	-13%

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

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.7.1	0-30	83	52	59%	59	49	21%
3.7.2	31-75	184	98	88%	133	101	32%
3.7.3	76-125	370	242	53%	311	286	8%
3.7.4	126-225	725	465	56%	608	552	10%
3.7.5	226-400	1654	1252	32%	1154	1133	2%
3.7.6	>400	2523	3263	-23%	1729	2123	-19%
3.7.7	LT-1	355	233	52%	393	377	4%
3.7.8	LT-2	608	1607	-62%	657	1771	-63%
3.7.9	LT-3	2276	12585	-82%	2339	13217	-82%
3.7.10	LT-4	774	1725	-55%	1304	4848	-73%
3.7.11	LT-5	636	12155	-95%	3519	4267	-18%
3.7.12	LT-5 A (ii)	31	10281	-100%	3065	4583	-33%
3.7.13	LT-5 excluding A(ii)	12956	44785	-71%	7380	3045	142%
3.7.14	LT	486	1584	-69%	747	986	-24%
3.7.15	HT-1	272738	329768	-17%	335927	400205	-16%
3.7.16	HT-2	351394	318014	10%	370168	321023	15%
3.7.17	HT-3	2082211	1537118	35%	1983862	1445098	37%
3.7.18	HT-4	1699050	2239986	-24%	2054779	1863791	10%
3.7.19	HT-5	74666	3513209	-98%	1074969	461013	133%
3.7.20	Rescos	84223760	20564000	310%	206305157	369917	-
3.7.21	HT	1295460	1239415	5%	1340212	1013668	32%
3.7.22	ACPB	1223	2418	-49%	1426	1612	-12%

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	2086 (37%)	1677 (34%)	24%	2410 (41%)	-13%	17345 (32%)	15445 (30%)	12%	23132 (43%)	-25%
4.1.2	State Hydel	248 (4%)	253 (5%)	-2%	254 (4%)	-2%	3470 (6%)	2958 (6%)	17%	2491 (5%)	39%
4.1.3	CGS	968 (17%)	1095 (22%)	-12%	814 (14%)	19%	9991 (19%)	9247 (18%)	8%	7268 (14%)	37%
4.1.4	Gas	-1 (0%)	43 (1%)	- 101%	46 (1%)	-101%	230 (0%)	924 (2%)	-75%	342 (1%)	-33%
4.1.5	IPPs	517 (9%)	147 (3%)	251%	800 (14%)	-35%	4498 (8%)	1313 (3%)	242%	6778 (13%)	-34%
4.1.6	VRE-Wind	298 (5%)	350 (7%)	-15%	424 (7%)	-30%	6509 (12%)	7299 (14%)	-11%	6329 (12%)	3%
4.1.7	VRE-Solar	604 (11%)	465 (9%)	30%	628 (11%)	-4%	5334 (10%)	5168 (10%)	3%	5251 (10%)	2%
4.1.8	RE-Others	30 (1%)	29 (1%)	3%	48 (1%)	-38%	297 (1%)	194 (0%)	53%	358 (1%)	-17%
4.1.9	Markets	869 (15%)	847 (17%)	3%	391 (7%)	122%	6223 (12%)	8422 (16%)	-26%	1766 (3%)	252%
4.1.10	Others	0 (0%)	3 (0%)	- 100%	0 (0%)	-	75 (0%)	138 (0%)	-46%	0 (0%)	-
4.1.11	Discom Purchases	5619	4909	14%	5814	-3%	53971	51108	6%	53714	0%

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	1608 (48%)	841 (41%)	91%	1182 (47%)	36%	9155 (33%)	7544 (34%)	21%	10989 (47%)	-17%
4.2.2	State Hydel	52 (2%)	51 (2%)	2%	52 (2%)	0%	471 (2%)	461 (2%)	2%	471 (2%)	0%
4.2.3	CGS	474 (14%)	464 (23%)	2%	303 (12%)	57%	5445 (20%)	3595 (16%)	51%	2708 (12%)	101%
4.2.4	Gas	1 (0%)	13 (1%)	-90%	29 (1%)	-96%	156 (1%)	234 (1%)	-33%	241 (1%)	-35%
4.2.5	IPPs	229 (7%)	56 (3%)	310%	286 (11%)	-20%	1907 (7%)	506 (2%)	277%	2459 (11%)	-22%
4.2.6	VRE-Wind	141 (4%)	91 (4%)	55%	199 (8%)	-29%	3087 (11%)	3146 (14%)	-2%	2974 (13%)	4%
4.2.7	VRE-Solar	255 (8%)	157 (8%)	62%	285 (11%)	-10%	2314 (8%)	2164 (10%)	7%	2394 (10%)	-3%
4.2.8	RE-Others	17 (1%)	9 (0%)	84%	27 (1%)	-35%	163 (1%)	90 (0%)	81%	202 (1%)	-20%
4.2.9	Markets	549 (17%)	368 (18%)	49%	168 (7%)	226%	4848 (17%)	4249 (19%)	14%	759 (3%)	538%
4.2.10	Others	-7 (0%)	0 (0%)	3835%	0 (0%)	-	164 (1%)	116 (1%)	41%	0 (0%)	-
4.2.11	Power Purchase Cost	3321	2051	62%	2531	31%	27710	22104	25%	23197	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	891	260	243%	353	152%	3060	2395	28%	3178	-4%
4.3.2	State Hydel	52	51	2%	52	0%	471	461	2%	471	0%
4.3.3	CGS	132	117	13%	76	74%	1486	1080	38%	683	117%
4.3.4	Gas	1	1	26%	18	-93%	22	14	61%	160	-86%
4.3.5	IPPs	74	23	216%	71	5%	659	211	212%	637	3%
4.3.6	Others	-7	0	3835%	0	-	164	116	41%	0	-
4.3.7	Fixed Cost	1144	452	153%	570	101%	5862	4277	37%	5130	14%

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	717	582	23%	829	-14%	6095	5148	18%	7810	-22%
4.4.2	CGS	342	347	-1%	227	51%	3959	2515	57%	2024	96%
4.4.3	Gas	0	12	-100%	11	-100%	134	220	-39%	82	64%
4.4.4	IPPs	155	32	378%	215	-28%	1248	295	324%	1821	-31%
4.4.5	VRE-Wind	141	91	55%	199	-29%	3087	3146	-2%	2974	4%
4.4.6	VRE-Solar	255	157	62%	285	-10%	2314	2164	7%	2394	-3%
4.4.7	RE-Others	17	9	78%	27	-37%	160	86	86%	202	-21%
4.4.8	Markets	549	368	49%	168	226%	4847	4249	14%	759	538%
4.4.9	Others	0	0	-	0	-	0	0	-	0	-
4.4.10	Variable Cost	2176	1599	36%	1961	11%	21844	17823	23%	18067	21%

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	7.71	5.02	54%	4.91	57%	5.28	4.88	8%	4.75	11%
4.5.2	State Hydrel	2.11	2.02	5%	2.06	2%	1.36	1.56	-13%	1.89	-28%
4.5.3	CGS	4.90	4.24	16%	3.72	32%	5.45	3.89	40%	3.73	46%
4.5.4	Gas	-24.81	3.02	-921%	6.23	-498%	6.79	2.53	168%	7.06	-4%
4.5.5	IPPs	4.43	3.79	17%	3.57	24%	4.24	3.85	10%	3.63	17%
4.5.6	VRE-Wind	4.75	2.60	83%	4.70	1%	4.74	4.31	10%	4.70	1%
4.5.7	VRE-Solar	4.23	3.39	25%	4.53	-7%	4.34	4.19	4%	4.56	-5%
4.5.8	RE-Others	5.85	3.27	79%	5.65	4%	5.47	4.63	18%	5.65	-3%
4.5.9	Markets	6.32	4.35	45%	4.30	47%	7.79	5.05	54%	4.30	81%
4.5.10	Others	0.00	-0.67	-100%	0.00	-100%	21.95	8.41	161%	0.00	-
4.5.11	Weighted Average	5.91	4.18	41%	4.35	36%	5.13	4.32	19%	4.32	19%

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	4.27	1.55	176%	1.47	192%	1.76	1.55	14%	1.37	28%
4.6.2	State Hydrel	2.11	2.02	5%	2.06	2%	1.36	1.56	-13%	1.89	-28%
4.6.3	CGS	1.36	1.07	28%	0.93	46%	1.49	1.17	27%	0.94	58%
4.6.4	Gas	-24.81	0.24	-10614%	3.85	-745%	0.97	0.15	549%	4.67	-79%
4.6.5	IPPs	1.43	1.59	-10%	0.89	62%	1.46	1.61	-9%	0.94	56%
4.6.6	Others	0.00	-0.67	-100%	0.00	-100%	21.95	8.41	161%	0.00	-
4.6.7	Average FC	2.04	0.92	121%	0.98	108%	1.09	0.84	30%	0.96	14%

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	3.44	3.47	-1%	3.44	0%	3.51	3.33	5%	3.38	4%
4.7.2	CGS	3.53	3.17	11%	2.79	27%	3.96	2.72	46%	2.79	42%
4.7.3	Gas	0.00	2.79	-100%	2.39	-100%	5.82	2.38	144%	2.39	144%
4.7.4	IPPs	2.99	2.20	36%	2.69	11%	2.78	2.24	24%	2.69	3%
4.7.5	VRE-Wind	4.75	2.60	83%	4.70	1%	4.74	4.31	10%	4.70	1%
4.7.6	VRE-Solar	4.23	3.39	25%	4.53	-7%	4.34	4.19	4%	4.56	-5%
4.7.7	RE-Others	5.85	3.27	79%	5.65	4%	5.47	4.63	18%	5.65	-3%
4.7.8	Markets	6.32	4.35	45%	4.30	47%	7.79	5.05	54%	4.30	81%
4.7.9	Others	0.00	0.00	-	0.00	-	0.00	0.00	-	0.00	-
4.7.10	Average VC	3.87	3.26	19%	3.37	15%	4.05	3.49	16%	3.36	20%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.8.1	LT	1782	1121	59%	16487	13938	18%
4.8.2	11KV	315	198	59%	2532	1988	27%
4.8.3	33KV	388	264	47%	2934	2321	26%
4.8.4	EHT	837	468	79%	5758	3857	49%
4.2.11	Power Purchase Cost	3321	2051	62%	27710	22104	25%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.9.1	LT	562	510	10%	5520	4961	11%
4.9.2	11KV	99	90	10%	848	708	20%
4.9.3	33KV	122	120	2%	982	826	19%
4.9.4	EHT	264	213	24%	1928	1373	40%
2.20	Network Cost	1048	933	12%	9277	7867	18%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.10.1	LT	19	18	5%	188	188	0%
4.10.2	11KV	3	3	5%	29	27	7%
4.10.3	33KV	4	4	-3%	33	31	7%
4.10.4	EHT	9	8	18%	66	52	26%
2.23	Retail Supply Cost	36	33	7%	316	298	6%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.11.1	LT	2363	1650	43%	22194	19086	16%
4.11.2	11KV	418	291	44%	3408	2722	25%
4.11.3	33KV	514	388	32%	3950	3178	24%
4.11.4	EHT	1110	688	61%	7751	5282	47%
2.24	Cost of Service	4405	3018	46%	37303	30269	23%

4.12 Losses by Voltage (MU)

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.12.1	LT	137	132	4%	997	794	26%
4.12.2	11KV	123	76	61%	1123	1120	0%
4.12.3	33KV	124	123	1%	1351	1554	-13%
4.12.4	EHT	132	129	3%	1367	1391	-2%
4.12.5	Loss	517	461	12%	4837	4859	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	2466	1719	43%	22864	19567	17%
4.13.2	11KV	415	287	45%	3394	2717	25%
4.13.3	33KV	492	373	32%	3809	3071	24%
4.13.4	EHT	1031	638	61%	7235	4914	47%
2.24	Cost of Service	4405	3018	46%	37303	30269	23%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.14.1	LT	9.2	7.4	24%	7.9	6.7	18%
4.14.2	11KV	8.7	7.0	25%	7.6	6.5	17%
4.14.3	33KV	8.4	6.8	23%	7.4	6.3	17%
4.14.4	EHT	8.2	6.6	24%	7.2	6.1	17%
2.38	ACS	8.8	7.1	24%	7.7	6.5	17%

5. Receivables

5.1 Income Estimates (Rs Cr)

#	Item	Q1	Q2	Q3	Q4	FY23
5.1.1	Subsidy	4057	1066	385	2781	8288
5.1.2	Agriculture Subsidy	3881	740	383	2274	7279
5.1.3	Aquaculture Subsidy	175	325	0	238	739
5.1.4	SC Colonies Subsidy	0	0	0	129	130
5.1.5	ST Thandas Subsidy	0	0	0	28	28
5.1.6	Other Subsidy	0	0	0	112	112
5.1.7	Govt Agencies	586	1413	513	1223	3734
5.1.8	Panchayats	59	37	47	426	569
5.1.9	WR Dept	11	648	5	179	843
5.1.10	ULB	79	200	60	467	807
5.1.11	Other Govt Dept	438	527	401	150	1516
5.1.12	Govt serviced debt	259	245	376	0	880
5.1.13	UDAY Receivables	0	0	0	0	0
5.1.14	Private Customers Receivables	8034	8821	8231	7792	32879
5.1.15	Total	12935	11545	9505	11796	45781
5.1.16	Opex Loans	24	2439	0	0	2463
5.1.17	Capex Loans	0	0	0	0	0

5.2 Receivables during Month (Rs Cr)

#	Item	ERC-BE	Demand	Collections		Balance	% ↑	% δ ERC
				CY	PY			
5.2.1	Subsidy	927	878	0	2075	878	-100%	-100%
5.2.2	Agriculture Subsidy	758	758	0	1700	758	-100%	-100%
5.2.3	Aquaculture Subsidy	79	32	0	376	32	-100%	-100%
5.2.4	SC Colonies Subsidy	43	41	0	0	41	-	-100%
5.2.5	ST Thandas Subsidy	9	9	0	0	9	-	-100%
5.2.6	Other Subsidy	37	38	0	0	38	-	-100%
5.2.7	Govt Agencies	408	502	137	261	364	-47%	-66%
5.2.8	Panchayats	142	136	5	24	130	-77%	-96%
5.2.9	WR Dept	60	151	0	73	151	-100%	-99%
5.2.10	ULB	156	52	13	60	39	-79%	-92%
5.2.11	Other Govt Dept	50	163	119	105	44	14%	138%
5.2.12	Govt serviced debt	0	185	185	160	1	16%	-
5.2.13	UDAY Receivables	0	0	0	0	0	-	-
5.2.14	Private Customers Receivables	2597	2400	2670	2056	-270	30%	3%
5.2.15	Total	3932	3965	2992	4553	973	-34%	-24%
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	8342	8026	5507	7490	7440	4562	-26%	-34%
5.3.2	Agriculture Subsidy	2242	6823	6838	5005	6800	4076	1889	-26%	-27%
5.3.3	Aquaculture Subsidy	1683	714	320	501	478	1503	1472	5%	-30%
5.3.4	SC Colonies Subsidy	724	388	410	0	213	1134	824	-100%	-100%
5.3.5	ST Thandas Subsidy	249	83	83	0	0	332	233	-	-100%
5.3.6	Other Subsidy	23	335	374	0	0	397	145	-	-100%
5.3.7	Govt Agencies	9261	3668	4315	2512	2611	11065	7421	-4%	-32%
5.3.8	Panchayats	3800	1279	1287	143	1200	4945	2904	-88%	-89%

5.3.9	WR Dept	4725	536	996	664	107	5058	3559	521%	24%
5.3.10	ULB	245	1402	489	340	322	394	176	5%	-76%
5.3.11	Other Govt Dept	491	450	1543	1366	982	668	782	39%	203%
5.3.12	Govt serviced debt	0	0	1031	880	908	151	0	-3%	-
5.3.13	UDAY Receivables	0	0	0	0	0	0	0	-	-
5.3.14	Private Customers Receivables	3565	23377	25540	25086	20762	4018	3193	21%	7%
5.3.15	Total	17747	35388	38912	33985	31771	22674	15177	7%	-4%
5.3.16	Opex Loans	0	0	0	2463	5339	2463	0	-54%	-
5.3.17	Capex Loans	0	0	0	0	95	0	0	-100%	-

6. Payables

6.1 Expenditure for FY23 (Rs Cr)

#	Item	Q1	Q2	Q3	Q4	FY23
6.1.1	PP Cost	10259	8791	8660	8201	35912
6.1.2	State Thermal	3147	2706	3302	3967	13122
6.1.3	State Hydel	157	157	157	157	628
6.1.4	CGS	1726	1900	1819	939	6384
6.1.5	IPPs Gas	76	66	14	85	241
6.1.6	IPPs Thermal	542	641	724	766	2673
6.1.7	VRE- Wind	1033	1561	493	511	3598
6.1.8	VRE- Solar	816	750	749	878	3192
6.1.9	RE-Others	51	55	57	78	241
6.1.10	Market	2573	943	1332	821	5669
6.1.11	Other	138	13	13	0	164
6.1.12	Wind @ interim rate	0	0	0	511	511
6.1.13	Solar @ interim rate	0	0	0	878	878
6.1.14	CTU Cost	303	236	476	204	1219
6.1.15	STU Cost	699	674	683	741	2797
6.1.16	Distribution Cost	2027	2254	2240	2592	9114
6.1.17	O&M Cost	1290	1473	1441	1606	5810
6.1.18	HR Cost	1087	1249	1241	1287	4864
6.1.19	A&G Cost	50	63	40	99	252
6.1.20	R&M Cost	153	162	160	220	694
6.1.21	Depreciation	395	430	430	382	1636
6.1.22	ROCE	76	97	108	486	767
6.1.23	Others	267	254	262	119	901
6.1.24	Cost of Service	13288	11955	12059	11739	49042
7.1.1	Capex Debt service (P+I)	376	394	403	236	1409
7.1.2	Opex Debt service (P+I)	1555	2318	3032	0	6905

6.2 Payables during the Month (Rs Cr)

#	Item	ERC-BE	Payable	Paid		Balance	% ↑	% Δ ERC
				CY	PY			
6.2.1	PP Cost	2531	3321	4358	3625	-1037	20%	72%
6.2.2	State Thermal	1182	1608	1617	2132	-9	-24%	37%
6.2.3	State Hydel	52	52	59	52	-7	13%	13%
6.2.4	CGS	303	474	909	510	-435	78%	200%
6.2.5	IPPs Gas	29	1	0	21	1	-100%	-100%
6.2.6	IPPs Thermal	286	229	183	68	46	169%	-36%
6.2.7	VRE- Wind	199	141	783	394	-642	99%	293%
6.2.8	VRE- Solar	285	255	168	67	87	151%	-41%
6.2.9	RE-Others	27	17	26	19	-9	37%	-4%
6.2.10	Market	168	549	613	362	-64	69%	264%
6.2.11	Other	0	-7	0	0	-7	-	-100%
6.2.12	Wind @ interim rate	199	0	0	0	0	-	-100%
6.2.13	Solar @ interim rate	285	0	0	0	0	-	-100%
6.2.14	CTU Cost	68	134	216	55	-82	293%	217%
6.2.15	STU Cost	247	233	194	167	39	16%	-21%
6.2.16	Distribution Cost	864	717	562	523	155	7%	-35%
6.2.17	O&M Cost	535	455	444	447	12	-1%	-17%
6.2.18	HR Cost	429	386	386	390	0	-1%	-10%
6.2.19	A&G Cost	33	10	10	9	-1	16%	-69%
6.2.20	R&M Cost	73	60	48	48	12	-1%	-35%
6.2.21	Depreciation	127	143	44	64	0	-31%	-66%
6.2.22	ROCE	162	29	29	0	0	-	-82%
6.2.23	Others	40	90	46	13	44	261%	15%
6.2.24	Cost of Service	3710	4405	5330	4370	-926	22%	44%
7.2.2	Capex Debt service (P+I)	79	140	140	125	0	12%	78%

7.2.1	Opex Debt service (P+I)	0	886	849	1184	37	-28%	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	23197	27710	30899	25120	7953	2186	23%	33%
6.3.2	State Thermal	1525	10989	9155	12417	11689	-1737	755	6%	13%
6.3.3	State Hydel	77	471	471	524	481	24	113	9%	11%
6.3.4	CGS	1357	2708	5445	6948	5898	-146	60	18%	157%
6.3.5	IPPs Gas	63	241	156	159	273	60	19	-42%	-34%
6.3.6	IPPs Thermal	559	2459	1907	1724	611	742	240	182%	-30%
6.3.7	VRE- Wind	5351	2974	3087	3773	1387	4665	825	172%	27%
6.3.8	VRE- Solar	2053	2394	2314	831	366	3536	167	127%	-65%
6.3.9	RE-Other	73	202	163	112	138	124	7	-19%	-45%
6.3.10	Market	84	759	4848	4411	4277	521	0	3%	481%
6.3.11	Other	0	0	164	0	0	164	0	-	-100%
6.3.12	Wind @ interim rate	0	2974	0	0	4	0	0	-100%	-100%
6.3.13	Solar @ interim rate	7	2394	0	1	22	6	0	-96%	-100%
6.3.14	CTU Cost	86	612	1015	1255	881	-154	0	43%	105%
6.3.15	STU Cost	1995	2223	2056	1897	1454	2154	96	30%	-15%
6.3.16	Distribution Cost	0	7777	6522	4845	5322	1676	0	-9%	-38%
6.3.17	O&M Cost	0	4817	4204	4266	4374	-62	0	-2%	-11%
6.3.18	HR Cost	0	3861	3577	3614	3714	-37	0	-3%	-6%
6.3.19	A&G Cost	0	296	153	180	250	-27	0	-28%	-39%
6.3.20	R&M Cost	0	660	474	472	410	2	0	15%	-29%
6.3.21	Depreciation	0	1147	1254	44	534	0	0	-92%	-96%
6.3.22	ROCE	0	1457	281	29	0	0	0	-	-98%
6.3.23	Others	0	357	782	506	414	276	0	22%	42%
6.3.24	Cost of Service	13223	33810	37303	38896	32777	11630	2282	19%	15%
7.3.1	Capex Debt service (P+I)	0	707	1173	1207	1092	-34	0	11%	71%
7.3.2	Opex Debt service (P+I)	0	0	6905	7394	9224	-489	0	-20%	-

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	236	1409
7.1.2	ERC disallowable-Opex Debt	1555	2318	3032	0	6905
7.1.3	Debt Servicing	1931	2712	3435	236	8314

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	140	140	125	0	12%	78%
7.2.2	ERC disallowable-Opex Debt	0	886	849	1184	37	-28%	0%
7.2.3	Debt Servicing	79	1026	989	1308	37	-24%	1159%

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	707	1173	1207	1092	-34	0	11%	71%
7.3.2	ERC disallowable-Opex Debt	0	0	6905	7394	9224	-489	37	-20%	0%
7.3.3	Debt Servicing	0	707	8078	8601	10315	-523	37	-17%	1117%

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	6238	5273	18%	11328	5831	94%	17566	11104	58%
7.4.2	PFC	888	681	30%	11410	5123	123%	12298	5804	112%
7.4.3	APPFCL	0	0	-	12076	11667	4%	12076	11667	4%
7.4.4	BANKS	1360	1532	-11%	1239	1395	-11%	2599	2927	-11%
7.4.5	IREDA	0	0	-	255	874	-71%	255	874	-71%
7.4.6	ICD	0	0	-	1394	784	78%	1394	784	78%
7.4.7	PTC	0	0	-	59	109	-46%	59	109	-46%
7.4.8	GOAP	9	9	0%	0	0	-	9	9	0%
7.4.9	OTHERS	1116	690	62%	2609	4087	-36%	3726	4776	-22%
7.4.10	Debt Outstanding	9612	8184	17%	40370	29870	35%	49982	38055	31%

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

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

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)
3.1.12	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)

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	$\frac{\text{CTU Cost(Rs Cr)} \times 10}{\text{Discom Purchase(MU)}} \text{ (Rs /kWh)}$
4.5.3	CTU Cost Per Unit on CGS purchases	$\frac{\text{CTU Cost(Rs Cr)} \times 10}{\text{CGS Purchases by Discom(MU)}} \text{ (Rs /kWh)}$
2.27	Distribution Network Cost per Unit	$\frac{\text{Distribution Network Cost(Rs Cr)} \times 10}{\text{Discom Purchase(MU)}} \text{ (Rs /kWh)}$
2.28	Network Cost per Unit	$\frac{\text{Total Network Cost(Rs Cr)} \times 10}{\text{Discom Purchase(MU)}} \text{ (Rs /kWh)}$
2.29	Retail Supply Cost per Unit	$\frac{\text{Total Supply Cost(Rs Cr)} \times 10}{\text{Discom Purchase(MU)}} \text{ (Rs /kWh)}$
2.30	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		
2.31	Energy Cost on Sales Basis	$\frac{\text{Power Purchase Cost(Rs Cr)} \times 10}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
2.32	STU Cost per Unit	$\frac{\text{STU Cost(Rs Cr)} \times 10}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
2.33	CTU Cost per Unit	$\frac{\text{CTU Cost(Rs Cr)} \times 10}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
2.34	Distribution Network Cost per Unit	$\frac{\text{Distribution Network Cost(Rs Cr)} \times 10}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
2.35	Network Cost per Unit	$\frac{\text{Total Network Cost(Rs Cr)} \times 10}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
2.36	Retail Supply Cost per Unit	$\frac{\text{Total Supply Cost(Rs Cr)} \times 10}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
2.37	ACS	$\frac{\text{Cost of Service(Rs. Cr)} \times 10}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
2.38	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		
2.39	Collection η	$J=(F+G-I)/E * 100$
2.40	Units Realized	$K=D * J/100$
2.41	Units Unrealized	$L=C-K$
2.42	AT&C Losses	$M=\text{Aggregate Technical and Commercial Loss} =L/C * 100$
ARR-ACS GAP		
2.43	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

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) = $\frac{\text{Revenue Collected during the period(Rs.Cr)} \times 10}{\text{Consumption During in the Month(MU)}}$

3.6 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 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 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 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 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 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 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 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 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 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 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

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