

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

Prepared by- Strategic Planning Unit

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Contents

1.	Sales	1
2.	Purchases.....	2
3.	Sales by Categories	4
	3.1 Energy Sales by Category (MU).....	4
	3.2 Energy Sales by Voltage Level (MU).....	4
	3.3 Collection by Category (Rs Cr).....	4
	3.4 Bills by Category (Nos)	4
	3.5 Average Revenue Realized by Category (Rs/kWh)	5
	3.6 Average Monthly Consumption by Category (kWh/Bill/Month)	5
	3.7 Average Collection per Bill by Category (Rs/Bill/Month)	6
4.	Purchase by Categories	7
	4.1 Energy Purchased by Source (MU)	7
	4.2 Power Purchase Cost by Source (Rs Cr).....	7
	4.3 Fixed Cost by Source (Rs Cr)	7
	4.4 Variable Cost by Source (Rs Cr)	8
	4.5 Average Energy Cost per Unit by Source (Rs/kWh)	8
	4.6 Fixed Cost per Unit by Source (Rs/kWh).....	8
	4.7 Variable Cost per Unit by Source (Rs/kWh).....	8
	4.8 Power Purchase Cost by Voltage Level on Sales basis (Rs Cr).....	9
	4.9 Network Cost by Voltage Level on Sales basis (Rs Cr).....	9
	4.10 Retail Supply Cost by Voltage Level on Sales basis (Rs Cr).....	9
	4.11 Cost of Service by Voltage Level on Sales basis (Rs Cr).....	9
	4.12 Losses by Voltage (MU).....	9
	4.13 Cost of Service by Voltage Level on Purchase Basis (Rs Cr).....	9
	4.14 Average Cost of Service by Voltage Level (Rs/kWh)	10
5.	Receivables	11
	5.1 Income Estimates (Rs Cr)	11
	5.2 Receivables during Month (Rs Cr)	11
	5.3 Receivables YTD (Rs Cr)	11
6.	Payables	13
	6.1 Expenditure for FY23 (Rs Cr)	13
	6.2 Payables during the Month (Rs Cr)	13
	6.3 Payables YTD (Rs Cr)	14
7.	Debt Servicing	15
	7.1 Debt Servicing Schedule (Rs Cr).....	15
	7.2 Debt Servicing during the month (Rs Cr)	15
	7.3 Debt Servicing YTD (Rs Cr).....	15
	7.4 Debt Outstanding (Rs Cr)	15

1. Sales

#	Item	Units	Month			YTD		
			CY	PY	% ↑	CY	PY	% ↑
Energy (MU)								
1.01	Metered Sales	MU	4451 (88%)	4356 (89%)	2%	37626 (86%)	34738 (83%)	8%
3.1.12	Agl Consumption	MU	594 (12%)	547 (11%)	9%	6048 (14%)	7242 (17%)	-16%
3.1.22	Discom Sales	MU	5045	4902	3%	43674	41980	4%
1.02	Private Sales	MU	4016 (80%)	3821 (78%)	5%	36552 (84%)	33787 (80%)	8%
1.03	Government Sales	MU	373 (7%)	472 (10%)	-21%	2932 (7%)	2971 (7%)	-1%
1.04	Government Subsidy	MU	656 (13%)	523 (11%)	25%	4190 (10%)	5137 (12%)	-18%
Collection (Rs. Cr)								
1.05	Opening Debtors	Rs Cr	14375	12531	15%	12699	10523	21%
5.2.14	Pvt Sales	Rs Cr	2719	2393	14%	22417	18705	20%
5.2.7	Gov Sales	Rs Cr	208	1226	-83%	2374	2350	1%
5.2.1	Gov Subsidy	Rs Cr	354	443	-20%	5507	5415	2%
1.06	Others	Rs Cr	103	338	-70%	695	748	-7%
5.2.15	Discom Collections	Rs Cr	3384	4400	-23%	30993	27219	14%
1.07	Metered Sales	Rs Cr	2925	3841	-24%	25262	21246	19%
3.3.12	Agl Consumption	Rs Cr	358	222	61%	5034	5225	-4%
1.08	Revenue from Sale	Rs Cr	3731	3437	9%	31305	26929	16%
1.09	Adj Revenue from Sale	Rs Cr	3227	3095	4%	30274	26560	14%
1.10	Closing Debtors	Rs Cr	14701	11775	25%	14701	11775	25%
1.11	Adj Closing Debtors	Rs Cr	14701	11775	25%	14701	11775	25%
KPIs								
3.5.22	ARR	Rs/kWh	6.51	8.29	-21%	6.94	6.31	10%
3.6.22	AMC	kWh/bill/Mth	268	271	-1%	263	255	3%
3.7.22	ACPB	Rs/bill/Mth	1742	2249	-23%	1828	1608	14%

2. Purchases

#	Item	Units	Month			YTD		
			CY	PY	% ↑	CY	PY	% ↑
Power Purchase								
3.1.22	Discom Sales	MU	5045 (89%)	4902 (90%)	3%	43674 (90%)	41980 (91%)	4%
2.01	Discom Losses	MU	314 (6%)	270 (5%)	16%	3086 (6%)	3136 (7%)	-2%
2.02	Discom Input	MU	5292 (93%)	4658 (86%)	14%	45241 (94%)	43435 (94%)	4%
2.03	Transmission Loss	MU	123 (2%)	132 (2%)	-7%	1234 (3%)	1262 (3%)	-2%
4.1.11	Discom Purchases	MU	5697	5424	5%	48352	46199	5%
4.2.11	Power Purchase Cost	Rs. Cr	2685 (73%)	2182 (68%)	23%	24389 (74%)	20053 (73%)	22%
Contracted Network Capacity (MW)								
2.04	STU	MW	13877	12843	8%	13877	12843	8%
2.05	CTU	MW	1854	1738	7%	1965	1850	6%
2.06	Distribution	MW	12412	11334	10%	12412	11334	10%
Capacity Charges								
2.07	STU Charges	Rs. Lacs/MW/Mth	1.6	1.3	23%	1.6	1.6	6%
2.08	CTU Charges	Rs. Lacs/MW/Mth	3.8	3.0	27%	5.6	3.1	80%
2.09	Distribution Charges	Rs. Lacs/MW/Mth	5.6	6.7	-16%	5.6	5.6	0%
Network Cost (Rs. Cr)								
2.10	STU Cost	Rs Cr	218 (6%)	162 (5%)	34%	1824 (6%)	1588 (6%)	15%
2.11	CTU Cost	Rs Cr	70 (2%)	53 (2%)	33%	881 (3%)	461 (2%)	91%
2.12	Distribution Network Cost	Rs Cr	699 (19%)	763 (24%)	-8%	5573 (17%)	5115 (19%)	9%
2.13	O&M Cost	Rs Cr	472	568	-17%	3764	3538	6%
2.14	HR Cost	Rs Cr	420	506	-17%	3190	3029	5%
2.15	A&G Cost	Rs Cr	17	17	1%	148	133	12%
2.16	R & M Cost	Rs Cr	35	45	-23%	425	376	13%
2.17	Depreciation	Rs Cr	143	128	11%	1144	1027	11%
2.18	ROCE	Rs Cr	40	24	65%	252	182	38%
2.19	Others	Rs Cr	44	42	6%	412	368	12%
2.20	Network Cost	Rs Cr	986 (27%)	977 (31%)	1%	8277 (25%)	7164 (26%)	16%
Retail Supply Cost (Rs. Cr)								
2.21	B&C Cost and Supply Margin	Rs Cr	16	15	5%	123	120	2%
2.22	Interest on Security Deposits	Rs Cr	14	18	-20%	157	145	8%
2.23	Retail Supply Cost	Rs Cr	30 (1%)	33 (1%)	-9%	280 (1%)	265 (1%)	6%
Cost of Service (Rs. Cr)								
2.24	Cost of Service	Rs Cr	3701	3192	16%	32946	27482	20%
7.2.2	ERC Disallowed Debt	Rs Cr	937	1229	-24%	6543	8040	-19%
KPIs on Purchase basis								
4.5.11	Energy Cost on Purchase Basis	Rs/kWh	4.71	4.02	17%	5.04	4.34	16%
2.25	STU Cost per Unit	Rs/kWh	0.38	0.30	28%	0.38	0.34	10%
2.26	CTU Cost per Unit	Rs/kWh	0.12	0.10	26%	0.18	0.10	83%
2.27	CTU Cost Per Unit on CGS purchases	Rs/kWh	0.63	0.63	1%	0.98	0.57	73%
2.28	Distribution Network Cost per Unit	Rs/kWh	1.23	1.41	-13%	1.15	1.11	4%
2.29	Network Cost per Unit	Rs/kWh	1.73	2.82	-39%	1.71	1.55	10%
2.30	Retail Supply Cost per Unit	Rs/kWh	0.05	0.06	-13%	0.06	0.06	1%
2.31	Cost of Service per Unit	Rs/kWh	6.50	5.89	10%	6.81	5.95	15%
KPIs on Sales basis								
2.32	Energy Cost on Sales Basis	Rs/kWh	5.32	4.45	20%	5.58	4.78	17%
2.33	STU Cost per Unit	Rs/kWh	0.43	1.46	-70%	0.42	0.38	10%
2.34	CTU Cost per Unit	Rs/kWh	0.14	0.11	29%	0.20	0.11	84%
2.35	Distribution Network Cost per Unit	Rs/kWh	1.39	1.56	-11%	1.28	1.22	5%
2.36	Network Cost per Unit	Rs/kWh	1.96	1.99	-2%	1.90	1.71	11%

2.37	Retail Supply Cost per Unit	Rs/kWh	0.06	0.07	-11%		0.06	0.06	2%
2.38	ACS	Rs/kWh	7.34	6.51	13%		7.54	6.55	15%
2.39	ERC Disallowed Debt per Unit	Rs/kWh	1.86	2.51	-26%		1.50	1.92	-22%
AT&C Losses									
2.40	Collection η	%	78%	112%	-31%		90%	94%	-4%
2.41	Units Realized	MU	3861	4935	-22%		38099	37939	0%
2.42	Units Unrealized	MU	1431	-277	-617%		7141	5496	30%
2.43	AT&C Losses	%	27%	-6%	-555%		16%	13%	25%
ARR-ACS GAP									
2.44	GAP	Rs/kWh	-0.83	1.78	-147%		-0.61	-0.24	152%

3. Sales by Categories

3.1 Energy Sales by Category

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.1.1	0-30	33 (1%)	30 (1%)	11%	240 (1%)	214 (1%)	12%
3.1.2	31-75	222 (4%)	204 (4%)	9%	1599 (4%)	1509 (4%)	6%
3.1.3	76-125	372 (7%)	355 (7%)	5%	2802 (6%)	2671 (6%)	5%
3.1.4	126-225	469 (9%)	516 (11%)	-9%	4024 (9%)	4125 (10%)	-2%
3.1.5	226-400	189 (4%)	241 (5%)	-22%	2511 (6%)	2555 (6%)	-2%
3.1.6	>400	70 (1%)	110 (2%)	-36%	1561 (4%)	1685 (4%)	-7%
3.1.7	LT-1	1355 (27%)	1456 (30%)	-7%	12737 (29%)	12759 (30%)	0%
3.1.8	LT-2	282 (6%)	271 (6%)	4%	2462 (6%)	2061 (5%)	19%
3.1.9	LT-3	129 (3%)	119 (2%)	8%	1091 (2%)	1043 (2%)	5%
3.1.10	LT-4	141 (3%)	123 (3%)	15%	1108 (3%)	951 (2%)	17%
3.1.11	LT-5	953 (19%)	906 (18%)	5%	8923 (20%)	10037 (24%)	-11%
3.1.12	LT-5 A (ii)	594 (12%)	547 (11%)	9%	6048 (14%)	7242 (17%)	-16%
3.1.13	LT-5 excluding A(ii)	358 (7%)	359 (7%)	0%	2875 (7%)	2795 (7%)	3%
3.1.14	LT	2859 (57%)	2875 (59%)	-1%	26321 (60%)	26851 (64%)	-2%
3.1.15	HT-1	5 (0%)	5 (0%)	-3%	46 (0%)	46 (0%)	0%
3.1.16	HT-2	150 (3%)	138 (3%)	8%	1267 (3%)	1015 (2%)	25%
3.1.17	HT-3	1687 (33%)	1473 (30%)	15%	13319 (30%)	11294 (27%)	18%
3.1.18	HT-4	229 (5%)	205 (4%)	12%	1873 (4%)	1535 (4%)	22%
3.1.19	HT-5	67 (1%)	183 (4%)	-64%	532 (1%)	903 (2%)	-41%
3.1.20	Rescos	48 (1%)	24 (0%)	104%	317 (1%)	336 (1%)	-6%
3.1.21	HT	2186 (43%)	2027 (41%)	8%	17353 (40%)	15129 (36%)	15%
3.1.22	Discom Sales	5045	4902	3%	43674	41980	4%

3.2 Energy Sales by Voltage Level (MU)

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.2.1	LT	2859	2875	-1%	26279	26827	-2%
3.2.2	11KV	477	436	9%	3973	3748	6%
3.2.3	33KV	561	570	-2%	4570	4307	6%
3.2.4	EHT	1148	1021	12%	8853	7098	25%
3.1.22	Discom Sales	5045	4903	3%	43674	41980	4%

3.3 Collection by Category (Rs Cr)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.3.1	0-30	27 (1%)	19 (0%)	40%	168 (1%)	138 (1%)	22%
3.3.2	31-75	75 (2%)	68 (2%)	11%	473 (2%)	379 (1%)	25%
3.3.3	76-125	135 (4%)	139 (3%)	-3%	922 (3%)	840 (3%)	10%
3.3.4	126-225	205 (6%)	331 (8%)	-38%	1609 (5%)	1543 (6%)	4%
3.3.5	226-400	111 (3%)	119 (3%)	-7%	1414 (5%)	1366 (5%)	3%
3.3.6	>400	53 (2%)	167 (4%)	-68%	1111 (4%)	1227 (5%)	-9%
3.3.7	LT-1	605 (18%)	842 (21%)	-28%	5698 (19%)	5493 (21%)	4%
3.3.8	LT-2	335 (10%)	305 (7%)	10%	2802 (9%)	2231 (8%)	26%
3.3.9	LT-3	117 (4%)	101 (2%)	15%	986 (3%)	864 (3%)	14%
3.3.10	LT-4	63 (2%)	1027 (25%)	-94%	386 (1%)	1418 (5%)	-73%
3.3.11	LT-5	473 (14%)	326 (8%)	45%	6342 (21%)	5985 (23%)	6%
3.3.12	LT-5 A (ii)	358 (11%)	222 (5%)	61%	5034 (17%)	5225 (20%)	-4%
3.3.13	LT-5 excluding A(ii)	114 (3%)	104 (3%)	9%	1308 (4%)	760 (3%)	72%
3.3.14	LT	1592 (49%)	2601 (64%)	-39%	16213 (54%)	15992 (60%)	1%
3.3.15	HT-1	4 (0%)	4 (0%)	-12%	33 (0%)	37 (0%)	-11%
3.3.16	HT-2	172 (5%)	169 (4%)	2%	1445 (5%)	1151 (4%)	26%
3.3.17	HT-3	1344 (41%)	1128 (28%)	19%	10375 (34%)	8156 (31%)	27%
3.3.18	HT-4	152 (5%)	154 (4%)	-1%	1357 (4%)	1049 (4%)	29%
3.3.19	HT-5	17 (1%)	6 (0%)	182%	695 (2%)	61 (0%)	1036%

3.3.20	Rescos	1 (0%)	1 (0%)	23%	177 (1%)	25 (0%)	602%
3.3.21	HT	1690 (51%)	1461 (36%)	16%	14083 (46%)	10479 (40%)	34%
3.3.22	Discom Collections	3283	4063	-19%	30296	26471	14%

3.4 Bills by Category (Nos)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.4.1	0-30	32,36,170(17%)	26,94,958(15%)	20%	32,36,170(16%)	35,27,008(17%)	-8%
3.4.2	31-75	41,64,059(22%)	37,97,267(21%)	10%	41,64,059(20%)	40,05,346(19%)	4%
3.4.3	76-125	37,78,179(20%)	35,91,647(20%)	5%	37,78,179(18%)	35,91,647(17%)	5%
3.4.4	126-225	28,79,706(15%)	32,28,540(18%)	-11%	32,54,941(16%)	33,17,541(16%)	-2%
3.4.5	226-400	6,78,603(4%)	8,49,126(5%)	-20%	14,34,087(7%)	13,92,536(7%)	3%
3.4.6	>400	1,28,050(1%)	1,99,434(1%)	-36%	7,35,629(4%)	6,56,171(3%)	12%
3.4.7	LT-1	1,48,64,767(79%)	1,43,60,972(79%)	4%	1,66,03,065(80%)	1,64,90,249(80%)	1%
3.4.8	LT-2	16,52,026(9%)	15,41,551(9%)	7%	16,57,327(8%)	15,41,551(7%)	8%
3.4.9	LT-3	81,709(0%)	80,692(0%)	1%	85,071(0%)	81,242(0%)	5%
3.4.10	LT-4	3,48,471(2%)	3,37,736(2%)	3%	3,48,471(2%)	3,38,221(2%)	3%
3.4.11	LT-5	18,87,523(10%)	17,34,428(10%)	9%	20,12,949(10%)	21,12,987(10%)	-5%
3.4.12	LT-5 A (ii)	17,98,475(10%)	16,33,974(9%)	10%	17,98,475(9%)	16,80,019(8%)	7%
3.4.13	LT-5 excluding A(ii)	89,048(0%)	1,00,454(1%)	-11%	2,14,474(1%)	4,32,968(2%)	-50%
3.4.14	LT	1,88,34,496(100%)	1,80,55,379(100%)	4%	2,07,06,883(100%)	2,05,64,250(100%)	1%
3.4.15	HT-1	119(0%)	110(0%)	8%	119(0%)	110(0%)	8%
3.4.16	HT-2	4,802(0%)	4,426(0%)	8%	4,802(0%)	4,474(0%)	7%
3.4.17	HT-3	6,556(0%)	6,267(0%)	5%	6,556(0%)	7,011(0%)	-6%
3.4.18	HT-4	807(0%)	696(0%)	16%	807(0%)	719(0%)	12%
3.4.19	HT-5	723(0%)	713(0%)	1%	723(0%)	752(0%)	-4%
3.4.20	Rescos	1(0%)	1(0%)	0%	1(0%)	82(0%)	-99%
3.4.21	HT	13,008(0%)	12,213(0%)	7%	13,008(0%)	13,148(0%)	-1%
3.4.22	Discom Bills	1,88,47,504	1,80,67,592	4%	2,07,19,891	2,05,77,398	1%

3.5 Average Revenue Realized by Category (Rs/kWh)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.5.1	0-30	8.26	6.52	27%	6.99	6.43	9%
3.5.2	31-75	3.37	3.32	2%	2.96	2.51	18%
3.5.3	76-125	3.62	3.92	-8%	3.29	3.14	5%
3.5.4	126-225	4.37	6.41	-32%	4.00	3.74	7%
3.5.5	226-400	5.89	4.93	20%	5.63	5.35	5%
3.5.6	>400	7.52	15.13	-50%	7.12	7.28	-2%
3.5.7	LT-1	4.47	5.79	-23%	4.47	4.31	4%
3.5.8	LT-2	11.86	11.23	6%	11.38	10.83	5%
3.5.9	LT-3	9.06	8.49	7%	9.04	8.29	9%
3.5.10	LT-4	4.47	83.46	-95%	3.48	14.91	-77%
3.5.11	LT-5	4.96	3.60	38%	7.11	5.96	19%
3.5.12	LT-5 A (ii)	6.03	4.06	49%	8.32	7.22	15%
3.5.13	LT-5 excluding A(ii)	3.19	2.91	10%	4.55	2.72	67%
3.5.14	LT	5.57	9.05	-38%	6.16	5.96	3%
3.5.15	HT-1	7.42	8.17	-9%	7.16	8.03	-11%
3.5.16	HT-2	11.52	12.20	-6%	11.41	11.34	1%
3.5.17	HT-3	7.97	7.66	4%	7.79	7.22	8%
3.5.18	HT-4	6.65	7.51	-11%	7.25	6.84	6%
3.5.19	HT-5	2.54	0.33	673%	13.07	0.68	1831%
3.5.20	Rescos	0.24	0.40	-39%	5.60	0.75	645%
3.5.21	HT	7.73	7.21	7%	8.12	6.93	17%
3.5.22	ARR	6.51	8.29	-21%	6.94	6.31	10%

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

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.6.1	0-30	10	11	-8%	9	8	22%
3.6.2	31-75	53	54	-1%	48	47	2%
3.6.3	76-125	98	99	0%	93	93	0%
3.6.4	126-225	163	160	2%	155	155	-1%
3.6.5	226-400	278	284	-2%	219	229	-5%
3.6.6	>400	548	553	-1%	265	321	-17%
3.6.7	LT-1	91	101	-10%	96	97	-1%
3.6.8	LT-2	171	176	-3%	186	167	11%
3.6.9	LT-3	1577	1476	7%	1603	1605	0%
3.6.10	LT-4	405	364	11%	398	351	13%
3.6.11	LT-5	505	522	-3%	554	594	-7%
3.6.12	LT-5 A (ii)	330	334	-1%	420	539	-22%
3.6.13	LT-5 excluding A(ii)	4025	3578	12%	1676	807	108%
3.6.14	LT	152	159	-5%	159	163	-3%
3.6.15	HT-1	41560	46372	-10%	48024	51886	-7%
3.6.16	HT-2	31155	31236	0%	32983	28358	16%
3.6.17	HT-3	257312	234964	10%	253949	201358	26%
3.6.18	HT-4	284019	294696	-4%	290107	266813	9%
3.6.19	HT-5	92063	256034	-64%	91906	150180	-39%
3.6.20	Rescos	48476850	23775882	104%	39583627	512057	7630%
3.6.21	HT	168030	165996	1%	166754	143829	16%
3.6.22	AMC	268	271	-1%	263	255	3%

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

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.7.1	0-30	84	72	17%	65	49	33%
3.7.2	31-75	180	178	1%	142	118	20%
3.7.3	76-125	356	387	-8%	305	292	4%
3.7.4	126-225	712	1024	-31%	618	581	6%
3.7.5	226-400	1638	1401	17%	1232	1226	0%
3.7.6	>400	4121	8364	-51%	1888	2338	-19%
3.7.7	LT-1	407	587	-31%	429	416	3%
3.7.8	LT-2	2026	1976	3%	2114	1809	17%
3.7.9	LT-3	14286	12537	14%	14481	13298	9%
3.7.10	LT-4	1810	30405	-94%	1384	5239	-74%
3.7.11	LT-5	2503	1881	33%	3938	3541	11%
3.7.12	LT-5 A (ii)	1992	1357	47%	3499	3888	-10%
3.7.13	LT-5 excluding A(ii)	12842	10402	23%	7624	2195	247%
3.7.14	LT	845	1441	-41%	979	972	1%
3.7.15	HT-1	308503	378827	-19%	343825	416447	-17%
3.7.16	HT-2	358985	380943	-6%	376238	321568	17%
3.7.17	HT-3	2049919	1799287	14%	1978184	1454094	36%
3.7.18	HT-4	1887313	2212306	-15%	2101847	1824555	15%
3.7.19	HT-5	233918	84178	178%	1201667	101679	1082%
3.7.20	Rescos	11742270	9511000	23%	221565331	384809	-
3.7.21	HT	1299489	1196524	9%	1353255	996276	36%
3.7.22	ACPB	1742	2249	-23%	1828	1608	14%

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	1687 (30%)	1768 (33%)	-5%	2648 (46%)	-36%	15259 (32%)	13768 (30%)	11%	20723 (43%)	-26%
4.1.2	State Hydel	464 (8%)	387 (7%)	20%	261 (4%)	78%	3222 (7%)	2704 (6%)	19%	2237 (5%)	44%
4.1.3	CGS	1110 (19%)	842 (16%)	32%	847 (15%)	31%	9023 (19%)	8153 (18%)	11%	6454 (13%)	40%
4.1.4	Gas	0 (0%)	49 (1%)	- 101%	45 (1%)	-101%	230 (0%)	880 (2%)	-74%	296 (1%)	-22%
4.1.5	IPPs	625 (11%)	123 (2%)	408%	707 (12%)	-12%	3980 (8%)	1166 (3%)	241%	5978 (12%)	-33%
4.1.6	VRE-Wind	378 (7%)	968 (18%)	-61%	356 (6%)	6%	6211 (13%)	6948 (15%)	-11%	5904 (12%)	5%
4.1.7	VRE-Solar	563 (10%)	597 (11%)	-6%	423 (7%)	33%	4729 (10%)	4703 (10%)	1%	4623 (10%)	2%
4.1.8	RE-Others	39 (1%)	22 (0%)	76%	44 (1%)	-11%	267 (1%)	165 (0%)	62%	310 (1%)	-14%
4.1.9	Markets	814 (14%)	645 (12%)	26%	476 (8%)	71%	5354 (11%)	7576 (16%)	-29%	1375 (3%)	289%
4.1.10	Others	17 (0%)	21 (0%)	-22%	0 (0%)	-	75 (0%)	136 (0%)	-45%	0 (0%)	-
4.1.11	Discom Purchases	5697	5424	5%	5805	-2%	48352	46199	5%	47900	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	846 (32%)	871 (40%)	-3%	1253 (50%)	-33%	7547 (31%)	6702 (33%)	13%	9806 (47%)	-23%
4.2.2	State Hydel	52 (2%)	51 (2%)	2%	52 (2%)	0%	419 (2%)	410 (2%)	2%	419 (2%)	0%
4.2.3	CGS	601 (22%)	351 (16%)	71%	311 (12%)	93%	4971 (20%)	3131 (16%)	59%	2405 (12%)	107%
4.2.4	Gas	4 (0%)	16 (1%)	-72%	28 (1%)	-85%	155 (1%)	221 (1%)	-30%	213 (1%)	-27%
4.2.5	IPPs	298 (11%)	49 (2%)	502%	263 (11%)	13%	1678 (7%)	450 (2%)	273%	2173 (11%)	-23%
4.2.6	VRE-Wind	176 (7%)	344 (16%)	-49%	167 (7%)	5%	2946 (12%)	3055 (15%)	-4%	2775 (13%)	6%
4.2.7	VRE-Solar	247 (9%)	247 (11%)	0%	194 (8%)	27%	2059 (8%)	2007 (10%)	3%	2109 (10%)	-2%
4.2.8	RE-Others	19 (1%)	10 (0%)	99%	25 (1%)	-23%	145 (1%)	80 (0%)	81%	175 (1%)	-17%
4.2.9	Markets	431 (16%)	248 (11%)	74%	204 (8%)	111%	4299 (18%)	3881 (19%)	11%	591 (3%)	627%
4.2.10	Others	10 (0%)	-5 (0%)	- 320%	0 (0%)	-	171 (1%)	117 (1%)	47%	0 (0%)	-
4.2.11	Power Purchase Cost	2685	2182	23%	2499	7%	24389	20053	22%	20666	18%

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	272	272	0%	353	-23%	2169	2135	2%	2825	-23%
4.3.2	State Hydel	52	51	2%	52	0%	419	410	2%	419	0%
4.3.3	CGS	196	113	73%	76	157%	1354	963	41%	607	123%
4.3.4	Gas	4	2	127%	18	-77%	21	13	64%	142	-85%
4.3.5	IPPs	111	22	395%	71	56%	585	188	212%	567	3%
4.3.6	Others	10	-5	-320%	0	-	171	117	47%	0	-
4.3.7	Fixed Cost	645	456	41%	570	13%	4718	3825	23%	4560	3%

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	574	599	-4%	900	-36%	5378	4567	18%	6981	-23%
4.4.2	CGS	406	237	71%	235	72%	3617	2168	67%	1798	101%
4.4.3	Gas	0	14	-98%	11	-98%	134	208	-36%	71	90%
4.4.4	IPPs	187	27	590%	192	-3%	1093	262	317%	1606	-32%
4.4.5	VRE-Wind	176	344	-49%	167	5%	2946	3055	-4%	2775	6%
4.4.6	VRE-Solar	246	247	0%	194	27%	2058	2007	3%	2109	-2%
4.4.7	RE-Others	19	9	103%	25	-25%	143	76	87%	175	-19%
4.4.8	Markets	431	248	74%	204	111%	4298	3881	11%	591	627%
4.4.9	Others	0	0	-	0	-	0	0	-	0	-
4.4.10	Variable Cost	2039	1726	18%	1929	6%	19667	16224	21%	16106	22%

4.5 Average Energy Cost per Unit by Source (Rs/kWh)

#	Source	Month					YTD				
		CY	PY	% ↑	ERC	% δ ERC	CY	PY	% ↑	ERC	% δ ERC
4.5.1	State Thermal	5.01	4.92	2%	4.73	6%	4.95	4.87	2%	4.73	5%
4.5.2	State Hydel	1.13	1.32	-15%	2.01	-44%	1.30	1.51	-14%	1.87	-31%
4.5.3	CGS	5.42	4.16	30%	3.68	47%	5.51	3.84	43%	3.73	48%
4.5.4	Gas	-112.82	3.14	-3690%	6.37	-1872%	6.71	2.51	168%	7.19	-7%
4.5.5	IPPs	4.76	4.02	18%	3.72	28%	4.22	3.86	9%	3.63	16%
4.5.6	VRE-Wind	4.65	3.56	31%	4.70	-1%	4.74	4.40	8%	4.70	1%
4.5.7	VRE-Solar	4.38	4.14	6%	4.57	-4%	4.35	4.27	2%	4.56	-5%
4.5.8	RE-Others	4.90	4.34	13%	5.65	-13%	5.43	4.87	12%	5.65	-4%
4.5.9	Markets	5.30	3.84	38%	4.30	23%	8.03	5.12	57%	4.30	87%
4.5.10	Others	6.10	-2.15	-384%	0.00	-	22.84	8.58	166%	0.00	-
4.5.11	Weighted Average	4.71	4.02	17%	4.30	9%	5.04	4.34	16%	4.31	17%

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	1.61	1.54	5%	1.33	21%	1.42	1.55	-8%	1.36	4%
4.6.2	State Hydel	1.13	1.32	-15%	2.01	-44%	1.30	1.51	-14%	1.87	-31%
4.6.3	CGS	1.76	1.34	31%	0.90	96%	1.50	1.18	27%	0.94	59%
4.6.4	Gas	-	0.37	-	3.98	-2773%	0.91	0.14	528%	4.80	-81%
		106.41		28871%							
4.6.5	IPPs	1.77	1.82	-3%	1.00	77%	1.47	1.61	-9%	0.95	55%
4.6.6	Others	6.10	-2.15	-384%	0.00	-	22.84	8.58	166%	0.00	-
4.6.7	Average FC	1.13	0.84	35%	0.98	15%	0.98	0.83	18%	0.95	3%

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	3.40	3.39	0%	3.40	0%	3.52	3.32	6%	3.37	5%
4.7.2	CGS	3.66	2.82	30%	2.78	32%	4.01	2.66	51%	2.79	44%
4.7.3	Gas	-6.41	2.77	-	2.39	-369%	5.81	2.36	146%	2.39	143%
				331%							
4.7.4	IPPs	2.99	2.21	36%	2.72	10%	2.75	2.25	22%	2.69	2%
4.7.5	VRE-Wind	4.65	3.56	31%	4.70	-1%	4.74	4.40	8%	4.70	1%
4.7.6	VRE-Solar	4.38	4.14	6%	4.57	-4%	4.35	4.27	2%	4.56	-5%
4.7.7	RE-Others	4.90	4.34	13%	5.65	-13%	5.43	4.87	12%	5.65	-4%
4.7.8	Markets	5.30	3.84	38%	4.30	23%	8.03	5.12	57%	4.30	87%
4.7.9	Others	0.00	0.00	-	0.00	-	0.00	0.00	-	0.00	-
4.7.10	Average VC	3.58	3.18	12%	3.32	8%	4.07	3.51	16%	3.36	21%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.8.1	LT	1522	1280	19%	14675	12815	15%
4.8.2	11KV	254	194	31%	2218	1790	24%
4.8.3	33KV	299	254	18%	2552	2057	24%
4.8.4	EHT	611	454	34%	4944	3391	46%
4.2.11	Power Purchase Cost	2685	2182	23%	24389	20053	22%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.9.1	LT	559	573	-2%	4981	4578	9%
4.9.2	11KV	93	87	7%	753	640	18%
4.9.3	33KV	110	114	-4%	866	735	18%
4.9.4	EHT	224	204	10%	1678	1211	39%
2.20	Network Cost	986	977	1%	8277	7164	16%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.10.1	LT	17	19	-12%	168	169	-1%
4.10.2	11KV	3	3	-3%	25	24	8%
4.10.3	33KV	3	4	-13%	29	27	8%
4.10.4	EHT	7	7	0%	57	45	27%
2.23	Retail Supply Cost	30	33	-9%	280	265	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	2098	1872	12%	19824	17562	13%
4.11.2	11KV	350	284	23%	2997	2453	22%
4.11.3	33KV	412	371	11%	3448	2819	22%
4.11.4	EHT	842	665	27%	6678	4647	44%
2.24	Cost of Service	3701	3192	16%	32946	27482	20%

4.12 Losses by Voltage (MU)

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.12.1	LT	107	21	417%	860	662	30%
4.12.2	11KV	100	90	10%	1000	1044	-4%
4.12.3	33KV	106	159	-33%	1226	1431	-14%
4.12.4	EHT	123	132	-7%	1234	1262	-2%
4.12.5	Loss	437	403	9%	4320	4398	-2%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.13.1	LT	2163	1909	13%	20396	17981	13%
4.13.2	11KV	348	287	21%	2986	2451	22%
4.13.3	33KV	398	366	9%	3328	2726	22%
4.13.4	EHT	793	630	26%	6238	4324	44%
2.24	Cost of Service	3701	3192	16%	32946	27482	20%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.14.1	LT	7.6	6.6	14%	7.8	6.7	16%
4.14.2	11KV	7.3	6.6	11%	7.5	6.5	15%
4.14.3	33KV	7.1	6.4	10%	7.3	6.3	15%
4.14.4	EHT	6.9	6.2	12%	7.0	6.1	16%
2.38	ACS	7.3	6.5	13%	7.5	6.5	15%

5. Receivables

5.1 Income Estimates (Rs Cr)

#	Item	Q1	Q2	Q3	Q4	FY23
5.1.1	Subsidy	4057	1066	1312	2781	9215
5.1.2	Agriculture Subsidy	3881	740	1141	2274	8037
5.1.3	Aquaculture Subsidy	175	325	80	238	819
5.1.4	SC Colonies Subsidy	0	0	43	129	173
5.1.5	ST Thandas Subsidy	0	0	10	28	37
5.1.6	Other Subsidy	0	0	38	112	149
5.1.7	Govt Agencies	586	1413	783	1223	4004
5.1.8	Panchayats	59	37	183	426	706
5.1.9	WR Dept	11	648	64	179	902
5.1.10	ULB	79	200	203	467	950
5.1.11	Other Govt Dept	438	527	332	150	1447
5.1.12	Govt serviced debt	259	245	192	0	695
5.1.13	UDAY Receivables	0	0	0	0	0
5.1.14	Private Customers Receivables	8034	8821	8159	7792	32806
5.1.15	Total	12935	11545	10445	11796	46721
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	885	354	443	531	-20%	-62%
5.2.2	Agriculture Subsidy	758	758	352	219	406	61%	-54%
5.2.3	Aquaculture Subsidy	79	34	0	12	34	-97%	-100%
5.2.4	SC Colonies Subsidy	43	46	0	213	45	-100%	-99%
5.2.5	ST Thandas Subsidy	9	9	0	0	9	-	-96%
5.2.6	Other Subsidy	37	38	0	0	37	-	-99%
5.2.7	Govt Agencies	408	472	208	1226	264	-83%	-49%
5.2.8	Panchayats	142	117	25	972	92	-97%	-82%
5.2.9	WR Dept	60	94	5	3	89	40%	-92%
5.2.10	ULB	156	52	25	112	28	-78%	-84%
5.2.11	Other Govt Dept	50	209	154	139	55	10%	208%
5.2.12	Govt serviced debt	0	103	103	338	0	-70%	-
5.2.13	UDAY Receivables	0	0	0	0	0	-	-
5.2.14	Private Customers Receivables	2597	2775	2719	2393	56	14%	5%
5.2.15	Total	3932	4235	3384	4400	851	-23%	-14%
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	7416	7133	5507	5415	6547	4569	2%	-26%
5.3.2	Agriculture Subsidy	2242	6065	6080	5005	5100	3318	1998	-2%	-17%
5.3.3	Aquaculture Subsidy	1683	635	279	501	102	1461	1382	390%	-21%
5.3.4	SC Colonies Subsidy	724	345	369	0	213	1092	839	-100%	-100%
5.3.5	ST Thandas Subsidy	249	74	73	0	0	322	247	-	-100%
5.3.6	Other Subsidy	23	298	332	0	0	354	104	-	-100%
5.3.7	Govt Agencies	9261	3260	3742	2374	2350	10628	8219	1%	-27%
5.3.8	Panchayats	3800	1137	1087	137	1177	4750	3691	-88%	-88%

5.3.9	WR Dept	4725	477	840	664	34	4902	3591	1839%	39%
5.3.10	ULB	245	1247	438	327	262	355	163	25%	-74%
5.3.11	Other Govt Dept	491	400	1376	1247	877	621	774	42%	212%
5.3.12	Govt serviced debt	0	0	845	695	748	150	0	-7%	-
5.3.13	UDAY Receivables	0	0	0	0	0	0	0	-	-
5.3.14	Private Customers Receivables	3565	20780	23140	22417	18705	4288	3191	20%	8%
5.3.15	Total	17747	31456	34860	30993	27219	21614	15978	14%	-1%
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	7870	8201	35122
6.1.2	State Thermal	3147	2706	2877	3967	12697
6.1.3	State Hydel	157	157	157	157	628
6.1.4	CGS	1726	1900	1647	939	6212
6.1.5	IPPs Gas	76	66	42	85	269
6.1.6	IPPs Thermal	542	641	780	766	2729
6.1.7	VRE- Wind	1033	1561	551	511	3656
6.1.8	VRE- Solar	816	750	778	878	3221
6.1.9	RE-Others	51	55	67	78	250
6.1.10	Market	2573	943	952	821	5288
6.1.11	Other	138	13	20	0	171
6.1.12	Wind @ interim rate	0	0	199	511	710
6.1.13	Solar @ interim rate	0	0	285	878	1163
6.1.14	CTU Cost	303	236	411	204	1153
6.1.15	STU Cost	699	674	697	741	2811
6.1.16	Distribution Cost	2027	2287	2403	2592	9309
6.1.17	O&M Cost	1290	1473	1536	1606	5905
6.1.18	HR Cost	1087	1249	1283	1287	4907
6.1.19	A&G Cost	50	63	68	99	280
6.1.20	R&M Cost	153	162	185	220	719
6.1.21	Depreciation	395	463	414	382	1654
6.1.22	ROCE	76	97	241	486	899
6.1.23	Others	267	254	212	119	851
6.1.24	Cost of Service	13288	11988	11380	11739	48396
7.1.1	Capex Debt service (P+I)	376	394	341	236	1347
7.1.2	Opex Debt service (P+I)	1556	2318	2145	0	6020

6.2 Payables during the Month (Rs Cr)

#	Item	ERC-BE	Payable	Paid		Balance	% ↑	% Δ ERC
				CY	PY			
6.2.1	PP Cost	2499	2685	4535	3024	-1850	50%	82%
6.2.2	State Thermal	1253	846	1692	1799	-846	-6%	35%
6.2.3	State Hydel	52	52	59	52	-7	13%	13%
6.2.4	CGS	311	601	894	630	-293	42%	187%
6.2.5	IPPs Gas	28	4	3	25	1	-88%	-89%
6.2.6	IPPs Thermal	263	298	168	69	130	143%	-36%
6.2.7	VRE- Wind	167	176	1043	183	-867	470%	524%
6.2.8	VRE- Solar	194	247	181	31	66	484%	-6%
6.2.9	RE-Others	25	19	12	11	7	9%	-52%
6.2.10	Market	204	431	483	224	-52	116%	136%
6.2.11	Other	0	10	0	0	10	-	-100%
6.2.12	Wind @ interim rate	167	0	0	0	0	-	-100%
6.2.13	Solar @ interim rate	194	0	0	0	0	-	-100%
6.2.14	CTU Cost	68	70	99	95	-29	4%	45%
6.2.15	STU Cost	247	218	714	204	-496	250%	189%
6.2.16	Distribution Cost	864	729	535	672	194	-20%	-38%
6.2.17	O&M Cost	535	472	485	563	-13	-14%	-9%
6.2.18	HR Cost	429	420	428	498	-8	-14%	0%
6.2.19	A&G Cost	33	17	22	22	-5	0%	-34%
6.2.20	R&M Cost	73	35	35	44	0	-19%	-52%
6.2.21	Depreciation	127	143	0	61	0	-100%	-100%
6.2.22	ROCE	162	40	0	0	0	-	-100%
6.2.23	Others	40	74	50	48	24	4%	26%
6.2.24	Cost of Service	3678	3701	5883	3995	-2182	47%	60%
7.2.2	Capex Debt service (P+I)	79	121	121	117	0	3%	54%

7.2.1	Opex Debt service (P+I)	0	1237	937	1229	300	-24%	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	20666	24389	26541	21495	8990	3559	23%	28%
6.3.2	State Thermal	1525	9806	7547	10800	9557	-1728	1175	13%	10%
6.3.3	State Hydel	77	419	419	465	429	31	81	8%	11%
6.3.4	CGS	1357	2405	4971	6039	5388	289	523	12%	151%
6.3.5	IPPs Gas	63	213	155	159	252	59	11	-37%	-25%
6.3.6	IPPs Thermal	559	2173	1678	1541	543	696	254	184%	-29%
6.3.7	VRE- Wind	5351	2775	2946	2990	993	5307	1043	201%	8%
6.3.8	VRE- Solar	2053	2109	2059	663	299	3449	175	122%	-69%
6.3.9	RE-Others	73	175	145	86	119	132	15	-28%	-51%
6.3.10	Market	84	591	4299	3798	3915	585	282	-3%	542%
6.3.11	Other	0	0	171	0	0	171	0	-	-100%
6.3.12	Wind @ interim rate	0	2775	0	0	4	0	0	-100%	-100%
6.3.13	Solar @ interim rate	7	2109	0	1	22	6	0	-96%	-100%
6.3.14	CTU Cost	86	544	881	1039	826	-72	40	26%	91%
6.3.15	STU Cost	1995	1976	1824	1703	1287	2116	338	32%	-14%
6.3.16	Distribution Cost	0	6913	5853	4283	4799	1570	0	-11%	-38%
6.3.17	O&M Cost	0	4282	3764	3822	3927	-58	0	-3%	-11%
6.3.18	HR Cost	0	3432	3190	3228	3325	-38	0	-3%	-6%
6.3.19	A&G Cost	0	263	148	170	241	-22	0	-29%	-35%
6.3.20	R&M Cost	0	587	425	424	362	2	0	17%	-28%
6.3.21	Depreciation	0	1019	1144	0	470	0	0	-100%	-100%
6.3.22	ROCE	0	1295	252	0	0	0	0	-	-100%
6.3.23	Others	0	317	692	461	401	232	0	15%	45%
6.3.24	Cost of Service	13223	30100	32947	33566	28406	12604	3937	18%	12%
7.3.1	Capex Debt service (P+I)	0	628	1032	1067	967	-34	0	10%	70%
7.3.2	Opex Debt service (P+I)	0	0	6020	6543	8040	-524	0	-19%	-

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	341	236	1347
7.1.2	ERC disallowable-Opex Debt	1556	2318	2145	0	6020
7.1.3	Debt Servicing	1932	2712	2487	236	7366

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	121	121	117	0	3%	54%
7.2.2	ERC disallowable-Opex Debt	0	1237	937	1229	300	-24%	0%
7.2.3	Debt Servicing	79	1358	1058	1346	300	-21%	1247%

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	628	1032	1067	967	-34	0	10%	70%
7.3.2	ERC disallowable-Opex Debt	0	0	6020	6543	8040	-524	36	-19%	0%
7.3.3	Debt Servicing	0	628	7052	7610	9007	-558	36	-16%	1111%

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	6070	5273	15%	9512	5831	63%	15581	11104	40%
7.4.2	PFC	763	681	12%	10187	5123	99%	10950	5804	89%
7.4.3	APPFCL	0	0	-	12169	11667	4%	12169	11667	4%
7.4.4	BANKS	1377	1532	-10%	1192	1395	-15%	2569	2927	-12%
7.4.5	IREDA	0	0	-	270	874	-69%	270	874	-69%
7.4.6	ICD	0	0	-	1437	784	83%	1437	784	83%
7.4.7	PTC	0	0	-	64	109	-41%	64	109	-41%
7.4.8	GOAP	9	9	0%	0	0	-	9	9	0%
7.4.9	OTHERS	1116	690	62%	2886	4087	-29%	4002	4776	-16%
7.4.10	Debt Outstanding	9336	8184	14%	37716	29870	26%	47052	38055	24%

Abbreviations and Acronyms

General	
#	Serial Number
%↑(YoY Growth)	$\frac{(\text{Value of given Category in Current Year} - \text{Value in Last Year for given Category}) \times 100}{\text{Value in Last Year for given Category}}$
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)	$\frac{(\text{Actual Value of given Category in Current Year} - \text{Approved value by APERC for given Category}) \times 100}{\text{Approved value by APERC for given Category}}$
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 > 75 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 =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