

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

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**Prepared by- Strategic Planning Unit**

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# 1. Sales

#	Item	Units	Month			YTD		
			CY	PY	% ↑	CY	PY	% ↑
<b>Energy (MU)</b>								
1.01	Metered Sales	MU	4744 (89%)	4147 (85%)	14%	19036 (85%)	17330 (81%)	10%
3.1.12	Agl Consumption	MU	581 (11%)	726 (15%)	-20%	3407 (15%)	4182 (19%)	-19%
3.1.22	Discom Sales	MU	5325	4874	9%	22442	21512	4%
1.02	Private Sales	MU	4645 (87%)	4029 (83%)	15%	19555 (87%)	17910 (83%)	9%
1.03	Government Sales	MU	323 (6%)	283 (6%)	14%	1137 (5%)	1257 (6%)	-9%
1.04	Government Subsidy	MU	356 (7%)	562 (12%)	-37%	1750 (8%)	2345 (11%)	-25%
<b>Collection (Rs. Cr)</b>								
1.05	Opening Debtors	Rs Cr	13783	11643	18%	12699	10523	21%
5.2.14	Pvt Sales	Rs Cr	2996	2209	36%	11030	9077	22%
5.2.7	Gov Sales	Rs Cr	223	115	95%	809	487	66%
5.2.1	Gov Subsidy	Rs Cr	444	250	78%	4500	2255	100%
1.06	Others	Rs Cr	88	0	-	347	168	107%
5.2.15	Discom Collections	Rs Cr	3751	2573	46%	16686	11987	39%
1.07	Metered Sales	Rs Cr	3544	2321	53%	12327	9545	29%
3.3.12	Agl Consumption	Rs Cr	119	253	-53%	4011	2272	77%
1.08	Revenue from Sale	Rs Cr	3981	3433	16%	15644	13681	14%
1.09	Adj Revenue from Sale	Rs Cr	3703	2981	24%	16573	13270	25%
1.10	Closing Debtors	Rs Cr	13997	11856	18%	13997	11856	18%
1.11	Adj Closing Debtors	Rs Cr	13997	11856	18%	13997	11856	18%
<b>KPIs</b>								
3.5.22	ARR	Rs/kWh	6.88	5.28	30%	7.28	5.49	33%
3.6.22	AMC	kWh/bill/Mth	285	275	4%	1114	1107	1%
3.7.22	ACPB	Rs/bill/Mth	1962	1452	35%	8110	6080	33%

## 2. Purchases

#	Item	Units	Month			YTD		
			CY	PY	% ↑	CY	PY	% ↑
<b>Power Purchase</b>								
3.1.22	Discom Sales	MU	5325 (86%)	4874 (94%)	9%	22442 (90%)	21512 (96%)	4%
2.01	Discom Losses	MU	324 (5%)	325 (6%)	0%	1594 (6%)	1606 (7%)	-1%
2.02	Discom Input	MU	5649 (91%)	5198 (101%)	9%	24037 (96%)	23118 (103%)	4%
2.03	Transmission Loss	MU	144 (2%)	144 (3%)	0%	662 (3%)	645 (3%)	3%
4.1.11	Discom Purchases	MU	6212	5158	20%	25032	22493	11%
4.2.11	Power Purchase Cost	Rs. Cr	3006 (75%)	2278 (70%)	32%	13265 (77%)	9616 (73%)	38%
<b>Contracted Network Capacity (MW)</b>								
2.04	STU	MW	13877	12843	8%	13877	12843	8%
2.05	CTU	MW	1726	1652	4%	1726	1654	4%
2.06	Distribution	MW	12412	11334	10%	12412	11334	10%
<b>Capacity Charges</b>								
2.07	STU Charges	Rs. Lacs/MW/Mth	1.6	1.6	0%	1.7	1.6	3%
2.08	CTU Charges	Rs. Lacs/MW/Mth	5.3	6.8	-22%	5.7	3.8	51%
2.09	Distribution Charges	Rs. Lacs/MW/Mth	5.4	5.7	-5%	5.2	5.4	-3%
<b>Network Cost (Rs. Cr)</b>								
2.10	STU Cost	Rs Cr	222 (6%)	203 (6%)	10%	922 (5%)	817 (6%)	13%
2.11	CTU Cost	Rs Cr	92 (2%)	113 (3%)	-19%	395 (2%)	251 (2%)	57%
2.12	Distribution Network Cost	Rs Cr	675 (17%)	640 (20%)	5%	2573 (15%)	2430 (18%)	6%
2.13	O&M Cost	Rs Cr	452	444	2%	1741	1650	6%
2.14	HR Cost	Rs Cr	379	396	-4%	1467	1396	5%
2.15	A&G Cost	Rs Cr	16	3	396%	65	67	-3%
2.16	R & M Cost	Rs Cr	57	44	29%	210	187	12%
2.17	Depreciation	Rs Cr	145	129	13%	539	523	3%
2.18	ROCE	Rs Cr	31	22	37%	105	91	16%
2.19	Others	Rs Cr	48	46	4%	187	165	13%
2.20	Network Cost	Rs Cr	989 (25%)	957 (29%)	3%	3889 (22%)	3497 (26%)	11%
<b>Retail Supply Cost (Rs. Cr)</b>								
2.21	B&C Cost and Supply Margin	Rs Cr	16	14	9%	59	61	-3%
2.22	Interest on Security Deposits	Rs Cr	19	18	8%	78	72	8%
2.23	Retail Supply Cost	Rs Cr	35 (1%)	32 (1%)	8%	137 (1%)	133 (1%)	3%
<b>Cost of Service (Rs. Cr)</b>								
2.24	Cost of Service	Rs Cr	4030	3267	23%	17291	13246	31%
7.2.2	ERC Disallowed Debt	Rs Cr	186	115	61%	2209	0	-
<b>KPIs on Purchase basis</b>								
4.5.11	Energy Cost on Purchase Basis	Rs/kWh	4.84	4.42	10%	5.30	4.28	24%
2.25	STU Cost per Unit	Rs/kWh	0.36	0.39	-9%	0.37	0.36	1%
2.26	CTU Cost per Unit	Rs/kWh	0.15	0.22	-33%	0.16	0.11	41%
4.5.3	CTU Cost Per Unit on CGS purchases	Rs/kWh	0.82	1.26	-35%	0.85	0.66	30%
2.27	Distribution Network Cost per Unit	Rs/kWh	1.09	1.24	-12%	1.03	1.08	-5%
2.28	Network Cost per Unit	Rs/kWh	1.59	1.72	-8%	1.55	1.55	0%
2.29	Retail Supply Cost per Unit	Rs/kWh	0.06	0.06	-10%	0.05	0.06	-7%
2.30	Cost of Service per Unit	Rs/kWh	6.49	6.33	2%	6.91	5.89	17%
<b>KPIs on Sales basis</b>								
2.31	Energy Cost on Sales Basis	Rs/kWh	5.65	4.67	21%	5.91	4.47	32%
2.32	STU Cost per Unit	Rs/kWh	0.42	0.28	50%	0.41	0.38	8%
2.33	CTU Cost per Unit	Rs/kWh	0.17	0.23	-26%	0.18	0.12	51%
2.34	Distribution Network Cost per Unit	Rs/kWh	1.27	1.31	-4%	1.15	1.13	2%
2.35	Network Cost per Unit	Rs/kWh	1.86	1.96	-5%	1.73	1.63	7%

2.36	Retail Supply Cost per Unit	Rs/kWh	0.07	0.07	-1%		0.06	0.06	-1%
2.37	ACS	Rs/kWh	7.57	6.70	13%		7.70	6.16	25%
2.38	ERC Disallowed Debt per Unit	Rs/kWh	0.35	0.24	47%		0.98	0.00	-
<b>AT&amp;C Losses</b>									
2.39	Collection $\eta$	%	88%	81%	9%		98%	87%	12%
2.40	Units Realized	MU	4488	3798	18%		21073	17815	18%
2.41	Units Unrealized	MU	960	1232	-22%		2078	4142	-50%
2.42	AT&C Losses	%	18%	24%	-28%		9%	19%	-52%
<b>ARR-ACS GAP</b>									
2.43	GAP	Rs/kWh	-0.69	-1.42	-52%		-0.42	-0.66	-36%

### 3. Sales by Categories

#### 3.1 Energy Sales by Category

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.1.1	0-30	30 (1%)	27 (1%)	11%	120 (1%)	106 (0%)	13%
3.1.2	31-75	198 (4%)	186 (4%)	6%	776 (3%)	738 (3%)	5%
3.1.3	76-125	341 (6%)	323 (7%)	6%	1337 (6%)	1283 (6%)	4%
3.1.4	126-225	489 (9%)	494 (10%)	-1%	1978 (9%)	1995 (9%)	-1%
3.1.5	226-400	351 (7%)	341 (7%)	3%	1472 (7%)	1407 (7%)	5%
3.1.6	>400	235 (4%)	245 (5%)	-4%	1101 (5%)	1093 (5%)	1%
3.1.7	LT-1	1643 (31%)	1616 (33%)	2%	6783 (30%)	6624 (31%)	2%
3.1.8	LT-2	313 (6%)	229 (5%)	37%	1283 (6%)	994 (5%)	29%
3.1.9	LT-3	141 (3%)	130 (3%)	8%	574 (3%)	539 (3%)	6%
3.1.10	LT-4	131 (2%)	110 (2%)	20%	547 (2%)	476 (2%)	15%
3.1.11	LT-5	907 (17%)	1073 (22%)	-15%	4928 (22%)	5619 (26%)	-12%
3.1.12	LT-5 A (ii)	581 (11%)	726 (15%)	-20%	3407 (15%)	4182 (19%)	-19%
3.1.13	LT-5 excluding A(ii)	326 (6%)	347 (7%)	-6%	1521 (7%)	1437 (7%)	6%
3.1.14	LT	3134 (59%)	3157 (65%)	-1%	14114 (63%)	14252 (66%)	-1%
3.1.15	HT-1	6 (0%)	6 (0%)	2%	24 (0%)	25 (0%)	-1%
3.1.16	HT-2	162 (3%)	116 (2%)	39%	648 (3%)	480 (2%)	35%
3.1.17	HT-3	1736 (33%)	1347 (28%)	29%	6483 (29%)	5534 (26%)	17%
3.1.18	HT-4	234 (4%)	187 (4%)	25%	927 (4%)	734 (3%)	26%
3.1.19	HT-5	19 (0%)	21 (0%)	-9%	84 (0%)	289 (1%)	-71%
3.1.20	Rescos	33 (1%)	40 (1%)	-18%	162 (1%)	200 (1%)	-19%
3.1.21	HT	2190 (41%)	1717 (35%)	28%	8328 (37%)	7260 (34%)	15%
3.1.22	Discom Sales	5325	4874	9%	22442	21512	4%

#### 3.2 Energy Sales by Voltage Level (MU)

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.2.1	LT	3136	3157	-1%	14092	14228	-1%
3.2.2	11KV	498	467	6%	2019	1925	5%
3.2.3	33KV	564	506	12%	2232	2098	6%
3.2.4	EHT	1127	743	52%	4099	3261	26%
3.1.22	Discom Sales	5325	4874	9%	22442	21512	4%

#### 3.3 Collection by Category (Rs Cr)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.3.1	0-30	21 (1%)	17 (1%)	21%	70 (0%)	62 (1%)	13%
3.3.2	31-75	61 (2%)	43 (2%)	42%	202 (1%)	150 (1%)	34%
3.3.3	76-125	117 (3%)	98 (4%)	19%	404 (2%)	349 (3%)	16%
3.3.4	126-225	211 (6%)	168 (7%)	26%	733 (4%)	611 (5%)	20%
3.3.5	226-400	215 (6%)	193 (8%)	11%	804 (5%)	718 (6%)	12%
3.3.6	>400	178 (5%)	168 (7%)	6%	767 (5%)	712 (6%)	8%
3.3.7	LT-1	803 (22%)	687 (27%)	17%	2980 (18%)	2602 (22%)	15%
3.3.8	LT-2	365 (10%)	250 (10%)	46%	1399 (9%)	1042 (9%)	34%
3.3.9	LT-3	126 (3%)	106 (4%)	19%	504 (3%)	431 (4%)	17%
3.3.10	LT-4	36 (1%)	28 (1%)	28%	148 (1%)	119 (1%)	25%
3.3.11	LT-5	583 (16%)	327 (13%)	79%	4846 (30%)	2661 (23%)	82%
3.3.12	LT-5 A (ii)	119 (3%)	253 (10%)	-53%	4011 (25%)	2272 (19%)	77%
3.3.13	LT-5 excluding A(ii)	464 (13%)	74 (3%)	527%	835 (5%)	389 (3%)	115%
3.3.14	LT	1913 (52%)	1398 (54%)	37%	9877 (60%)	6855 (58%)	44%
3.3.15	HT-1	4 (0%)	5 (0%)	-10%	17 (0%)	19 (0%)	-9%
3.3.16	HT-2	182 (5%)	127 (5%)	44%	696 (4%)	525 (4%)	33%
3.3.17	HT-3	1337 (36%)	924 (36%)	45%	4977 (30%)	3910 (33%)	27%
3.3.18	HT-4	155 (4%)	114 (4%)	36%	647 (4%)	469 (4%)	38%
3.3.19	HT-5	2 (0%)	3 (0%)	-13%	19 (0%)	24 (0%)	-20%

3.3.20	Rescos	69 (2%)	3 (0%)	2022%	105 (1%)	16 (0%)	562%
3.3.21	HT	1749 (48%)	1175 (46%)	49%	6461 (40%)	4963 (42%)	30%
3.3.22	Discom Collections	3663	2573	42%	16338	11818	38%

### 3.4 Bills by Category (Nos)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.4.1	0-30	29,71,944(16%)	26,77,570(15%)	11%	31,38,515(16%)	30,16,821(16%)	4%
3.4.2	31-75	37,21,378(20%)	35,00,149(20%)	6%	39,95,649(20%)	40,05,346(21%)	0%
3.4.3	76-125	34,52,889(18%)	33,16,621(19%)	4%	37,45,807(19%)	33,21,931(17%)	13%
3.4.4	126-225	29,85,679(16%)	29,99,825(17%)	0%	30,06,853(15%)	29,99,825(15%)	0%
3.4.5	226-400	12,07,611(6%)	11,76,000(7%)	3%	14,34,087(7%)	13,92,536(7%)	3%
3.4.6	>400	4,17,207(2%)	4,20,030(2%)	-1%	7,35,629(4%)	6,56,171(3%)	12%
3.4.7	LT-1	1,47,56,708(79%)	1,40,90,195(80%)	5%	1,60,56,540(80%)	1,53,92,630(79%)	4%
3.4.8	LT-2	16,30,720(9%)	15,06,658(9%)	8%	16,57,327(8%)	15,27,180(8%)	9%
3.4.9	LT-3	81,808(0%)	79,212(0%)	3%	85,071(0%)	80,357(0%)	6%
3.4.10	LT-4	3,44,299(2%)	3,24,056(2%)	6%	3,44,299(2%)	3,25,679(2%)	6%
3.4.11	LT-5	18,44,529(10%)	17,08,169(10%)	8%	19,89,658(10%)	20,98,452(11%)	-5%
3.4.12	LT-5 A (ii)	17,54,789(9%)	16,29,490(9%)	8%	17,75,184(9%)	16,65,484(9%)	7%
3.4.13	LT-5 excluding A(ii)	89,740(0%)	78,679(0%)	14%	2,14,474(1%)	4,32,968(2%)	-50%
3.4.14	LT	1,86,58,064(100%)	1,77,08,290(100%)	5%	2,01,32,895(100%)	1,94,24,298(100%)	4%
3.4.15	HT-1	113(0%)	108(0%)	5%	113(0%)	109(0%)	4%
3.4.16	HT-2	4,645(0%)	4,319(0%)	8%	4,645(0%)	4,474(0%)	4%
3.4.17	HT-3	6,471(0%)	6,133(0%)	6%	6,471(0%)	7,011(0%)	-8%
3.4.18	HT-4	777(0%)	680(0%)	14%	777(0%)	719(0%)	8%
3.4.19	HT-5	719(0%)	705(0%)	2%	719(0%)	752(0%)	-4%
3.4.20	Rescos	1(0%)	82(0%)	-99%	1(0%)	82(0%)	-99%
3.4.21	HT	12,726(0%)	12,027(0%)	6%	12,726(0%)	13,147(0%)	-3%
3.4.22	Discom Bills	1,86,70,790	1,77,20,317	5%	2,01,45,621	1,94,37,445	4%

### 3.5 Average Revenue Realized by Category (Rs/kWh)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.5.1	0-30	7.03	6.44	9%	5.86	5.87	0%
3.5.2	31-75	3.07	2.29	34%	2.60	2.04	28%
3.5.3	76-125	3.43	3.04	13%	3.02	2.72	11%
3.5.4	126-225	4.32	3.40	27%	3.70	3.06	21%
3.5.5	226-400	6.14	5.67	8%	5.46	5.10	7%
3.5.6	>400	7.57	6.84	11%	6.97	6.51	7%
3.5.7	LT-1	4.89	4.25	15%	4.39	3.93	12%
3.5.8	LT-2	11.67	10.93	7%	10.91	10.48	4%
3.5.9	LT-3	8.96	8.20	9%	8.79	8.00	10%
3.5.10	LT-4	2.76	2.58	7%	2.71	2.49	9%
3.5.11	LT-5	6.43	3.04	111%	9.83	4.74	108%
3.5.12	LT-5 A (ii)	2.05	3.48	-41%	11.77	5.43	117%
3.5.13	LT-5 excluding A(ii)	14.23	2.13	567%	5.49	2.71	103%
3.5.14	LT	6.10	4.43	38%	7.00	4.81	45%
3.5.15	HT-1	7.28	8.22	-11%	6.97	7.59	-8%
3.5.16	HT-2	11.28	10.91	3%	10.74	10.95	-2%
3.5.17	HT-3	7.70	6.86	12%	7.68	7.07	9%
3.5.18	HT-4	6.61	6.08	9%	6.98	6.40	9%
3.5.19	HT-5	1.27	1.32	-3%	2.27	0.82	176%
3.5.20	Rescos	20.95	0.81	2477%	6.46	0.79	714%
3.5.21	HT	7.99	6.85	17%	7.76	6.84	13%
3.5.22	ARR	6.88	5.28	30%	7.28	5.49	33%

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

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.6.1	0-30	10	10	0%	38	35	8%
3.6.2	31-75	53	53	0%	194	184	5%
3.6.3	76-125	99	97	1%	357	386	-8%
3.6.4	126-225	164	165	-1%	658	665	-1%
3.6.5	226-400	290	290	0%	1026	1010	2%
3.6.6	>400	563	584	-4%	1497	1666	-10%
3.6.7	LT-1	111	115	-3%	422	430	-2%
3.6.8	LT-2	192	152	26%	774	651	19%
3.6.9	LT-3	1720	1638	5%	6742	6706	1%
3.6.10	LT-4	381	338	13%	1589	1462	9%
3.6.11	LT-5	492	628	-22%	2477	2678	-8%
3.6.12	LT-5 A (ii)	331	446	-26%	1919	2511	-24%
3.6.13	LT-5 excluding A(ii)	3634	4410	-18%	7093	3318	114%
3.6.14	LT	168	178	-6%	701	734	-4%
3.6.15	HT-1	53451	55000	-3%	214867	224939	-4%
3.6.16	HT-2	34812	26890	29%	139539	107245	30%
3.6.17	HT-3	268337	219555	22%	1001793	789319	27%
3.6.18	HT-4	301145	274794	10%	1192523	1020362	17%
3.6.19	HT-5	26815	30184	-11%	117010	383711	-70%
3.6.20	Rescos	32760000	485244	6651%	162200000	2434189	6563%
3.6.21	HT	172103	142724	21%	654405	552220	19%
3.6.22	AMC	285	275	4%	1114	1107	1%

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

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.7.1	0-30	70	64	9%	223	206	8%
3.7.2	31-75	163	122	34%	505	376	35%
3.7.3	76-125	339	296	14%	1078	1049	3%
3.7.4	126-225	707	559	26%	2436	2035	20%
3.7.5	226-400	1782	1643	8%	5607	5157	9%
3.7.6	>400	4257	3994	7%	10432	10850	-4%
3.7.7	LT-1	544	487	12%	1856	1690	10%
3.7.8	LT-2	2238	1658	35%	8443	6822	24%
3.7.9	LT-3	15417	13431	15%	59246	53677	10%
3.7.10	LT-4	1053	871	21%	4310	3640	18%
3.7.11	LT-5	3162	1913	65%	24354	12682	92%
3.7.12	LT-5 A (ii)	679	1551	-56%	22595	13644	66%
3.7.13	LT-5 excluding A(ii)	51723	9405	450%	38914	8984	333%
3.7.14	LT	1025	789	30%	4906	3529	39%
3.7.15	HT-1	389381	451898	-14%	1498230	1706440	-12%
3.7.16	HT-2	392637	293253	34%	1499074	1174495	28%
3.7.17	HT-3	2065879	1507114	37%	7690759	5576568	38%
3.7.18	HT-4	1991763	1670441	19%	8328057	6526950	28%
3.7.19	HT-5	34075	39742	-14%	265925	316068	-16%
3.7.20	Rescos	686200000	394341	-	1048100000	1932000	-
3.7.21	HT	1374697	977363	41%	5076976	3774777	34%
3.7.22	ACPB	1962	1452	35%	8110	6080	33%

## 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	1862 (30%)	2061 (40%)	-10%	2430 (42%)	-23%	8207 (33%)	6910 (31%)	19%	10768 (45%)	-24%
4.1.2	State Hydel	312 (5%)	233 (5%)	34%	224 (4%)	39%	754 (3%)	658 (3%)	15%	721 (3%)	5%
4.1.3	CGS	1119 (18%)	897 (17%)	25%	851 (15%)	32%	4639 (19%)	3826 (17%)	21%	3121 (13%)	49%
4.1.4	Gas	28 (0%)	131 (3%)	-79%	25 (0%)	12%	156 (1%)	518 (2%)	-70%	160 (1%)	-3%
4.1.5	IPPs	533 (9%)	134 (3%)	298%	681 (12%)	-22%	1948 (8%)	590 (3%)	230%	3010 (13%)	-35%
4.1.6	VRE-Wind	1370 (22%)	1074 (21%)	28%	1116 (19%)	23%	3557 (14%)	3147 (14%)	13%	3360 (14%)	6%
4.1.7	VRE-Solar	594 (10%)	516 (10%)	15%	455 (8%)	30%	2527 (10%)	2470 (11%)	2%	2568 (11%)	-2%
4.1.8	RE-Others	29 (0%)	25 (0%)	19%	34 (1%)	-14%	112 (0%)	86 (0%)	31%	151 (1%)	-26%
4.1.9	Markets	363 (6%)	81 (2%)	350%	0 (0%)	-	3075 (12%)	4212 (19%)	-27%	205 (1%)	1397%
4.1.10	Others	0 (0%)	7 (0%)	- 100%	0 (0%)	-	57 (0%)	75 (0%)	-24%	0 (0%)	-
4.1.11	Discom Purchases	6212	5158	20%	5816	7%	25032	22493	11%	24066	4%

### 4.2 Power Purchase Cost by Source (Rs Cr)

#	Source	Month					YTD				
		CY	PY	% ↑	ERC	% δ ERC	CY	PY	% ↑	ERC	% δ ERC
4.2.1	State Thermal	920 (31%)	964 (42%)	-5%	1162 (46%)	-21%	4067 (31%)	3312 (34%)	23%	5039 (48%)	-19%
4.2.2	State Hydel	52 (2%)	51 (2%)	2%	52 (2%)	0%	209 (2%)	205 (2%)	2%	209 (2%)	0%
4.2.3	CGS	608 (20%)	389 (17%)	57%	314 (12%)	94%	2334 (18%)	1527 (16%)	53%	1169 (11%)	100%
4.2.4	Gas	19 (1%)	32 (1%)	-42%	24 (1%)	-22%	94 (1%)	126 (1%)	-25%	109 (1%)	-14%
4.2.5	IPPs	204 (7%)	54 (2%)	277%	253 (10%)	-19%	746 (6%)	230 (2%)	224%	1091 (10%)	-32%
4.2.6	VRE-Wind	667 (22%)	503 (22%)	33%	525 (21%)	27%	1701 (13%)	1478 (15%)	15%	1579 (15%)	8%
4.2.7	VRE-Solar	262 (9%)	219 (10%)	20%	208 (8%)	26%	1078 (8%)	1060 (11%)	2%	1174 (11%)	-8%
4.2.8	RE-Others	17 (1%)	13 (1%)	33%	0 (0%)	-	68 (1%)	46 (0%)	48%	0 (0%)	-
4.2.9	Markets	256 (9%)	42 (2%)	518%	0 (0%)	-	2829 (21%)	1571 (16%)	80%	88 (1%)	3104%
4.2.10	Others	0 (0%)	12 (1%)	- 100%	0 (0%)	-	138 (1%)	62 (1%)	125%	0 (0%)	-
4.2.11	Power Purchase Cost	3006	2278	32%	2538	18%	13265	9616	38%	10459	27%

### 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	281	278	1%	353	-20%	1096	1074	2%	1413	-22%
4.3.2	State Hydel	52	51	2%	52	0%	209	205	2%	209	0%
4.3.3	CGS	122	129	-5%	76	61%	560	451	24%	304	84%
4.3.4	Gas	2	2	49%	18	-87%	7	7	6%	71	-90%
4.3.5	IPPs	65	24	170%	71	-9%	237	95	150%	283	-16%
4.3.6	Fixed Cost	523	483	8%	570	-8%	2109	1831	15%	2280	-7%

#### 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	638	686	-7%	809	-21%	2971	2239	33%	3626	-18%
4.4.2	CGS	486	260	87%	238	104%	1774	1076	65%	865	105%
4.4.3	Gas	16	31	-47%	6	170%	87	119	-27%	38	128%
4.4.4	IPPs	139	30	363%	182	-23%	509	135	277%	808	-37%
4.4.5	VRE-Wind	667	503	33%	525	27%	1701	1478	15%	1579	8%
4.4.6	VRE-Solar	262	219	20%	208	26%	1078	1060	2%	1174	-8%
4.4.7	RE-Others	17	12	40%	0	-	67	42	57%	0	-
4.4.8	Markets	256	42	518%	0	-	2829	1571	80%	88	3104%
4.4.9	Variable Cost	2483	1782	39%	1968	26%	11017	7721	43%	8179	35%

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

#	Source	Month					YTD				
		CY	PY	% ↑	ERC	% δ ERC	CY	PY	% ↑	ERC	% δ ERC
4.5.1	State Thermal	4.94	4.68	6%	4.78	3%	4.96	4.79	3%	4.68	6%
4.5.2	State Hydel	1.68	2.20	-24%	2.34	-28%	2.78	3.11	-11%	2.90	-4%
4.5.3	CGS	5.44	4.34	25%	3.69	47%	5.03	3.99	26%	3.75	34%
4.5.4	Gas	6.60	2.44	170%	9.48	-30%	6.05	2.43	149%	6.82	-11%
4.5.5	IPPs	3.83	4.04	-5%	3.71	3%	3.83	3.90	-2%	3.62	6%
4.5.6	VRE-Wind	4.87	4.68	4%	4.70	4%	4.78	4.70	2%	4.70	2%
4.5.7	VRE-Solar	4.42	4.26	4%	4.57	-3%	4.27	4.29	-1%	4.57	-7%
4.5.8	RE-Others	5.71	5.10	12%	0.00	-	6.05	5.34	13%	0.00	-
4.5.9	Markets	7.05	5.14	37%	0.00	-	9.20	3.73	147%	4.30	114%
4.5.10	Others	0.00	17.36	-100%	0.00	-100%	24.34	8.23	196%	0.00	-
4.5.11	Weighted Average	4.84	4.42	10%	4.36	11%	5.30	4.28	24%	4.35	22%

#### 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	1.51	1.35	12%	1.45	4%	1.34	1.55	-14%	1.31	2%
4.6.2	State Hydel	1.68	2.20	-24%	2.34	-28%	2.78	3.11	-11%	2.90	-4%
4.6.3	CGS	1.09	1.44	-24%	0.89	22%	1.21	1.18	2%	0.97	24%
4.6.4	Gas	0.84	0.12	598%	7.10	-88%	0.45	0.13	252%	4.43	-90%
4.6.5	IPPs	1.21	1.79	-32%	1.04	16%	1.22	1.61	-24%	0.94	29%
4.6.6	Average FC	0.84	0.96	-13%	0.98	-14%	0.90	0.84	7%	0.95	-5%

#### 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	3.43	3.33	3%	3.33	3%	3.62	3.24	12%	3.37	8%
4.7.2	CGS	4.35	2.90	50%	2.80	55%	3.82	2.81	36%	2.77	38%
4.7.3	Gas	5.76	2.32	148%	2.39	141%	5.60	2.30	144%	2.39	134%
4.7.4	IPPs	2.62	2.25	16%	2.67	-2%	2.61	2.29	14%	2.68	-3%
4.7.5	VRE-Wind	4.87	4.68	4%	4.70	4%	4.78	4.70	2%	4.70	2%
4.7.6	VRE-Solar	4.42	4.26	4%	4.57	-3%	4.27	4.29	-1%	4.57	-7%
4.7.7	RE-Others	5.71	5.10	12%	0.00	-	6.05	5.34	13%	0.00	-
4.7.8	Markets	7.05	5.14	37%	0.00	-	9.20	3.73	147%	4.30	114%
4.7.9	Average VC	4.00	3.45	16%	3.38	18%	4.40	3.43	28%	3.40	29%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.8.1	LT	1770	1476	20%	8330	6360	31%
4.8.2	11KV	281	218	29%	1193	861	39%
4.8.3	33KV	319	236	35%	1319	938	41%
4.8.4	EHT	636	347	83%	2423	1458	66%
4.2.11	Power Purchase Cost	3006	2278	32%	13265	9616	38%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.9.1	LT	582	620	-6%	2442	2313	6%
4.9.2	11KV	92	92	1%	350	313	12%
4.9.3	33KV	105	99	6%	387	341	13%
4.9.4	EHT	209	146	43%	710	530	34%
2.20	Network Cost	989	957	3%	3889	3497	11%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.10.1	LT	21	21	-2%	86	88	-2%
4.10.2	11KV	3	3	5%	12	12	3%
4.10.3	33KV	4	3	10%	14	13	5%
4.10.4	EHT	7	5	50%	25	20	24%
2.23	Retail Supply Cost	35	32	8%	137	133	3%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.11.1	LT	2373	2116	12%	10858	8761	24%
4.11.2	11KV	377	313	20%	1556	1186	31%
4.11.3	33KV	427	339	26%	1720	1292	33%
4.11.4	EHT	853	498	71%	3158	2008	57%
2.24	Cost of Service	4030	3267	23%	17291	13246	31%

#### 4.12 Losses by Voltage (MU)

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.12.1	LT	79	58	35%	346	307	13%
4.12.2	11KV	103	127	-19%	525	584	-10%
4.12.3	33KV	143	140	2%	723	715	1%
4.12.4	EHT	144	144	0%	662	645	3%
4.12.5	Loss	468	469	0%	2256	2251	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	2434	2158	13%	11121	8946	24%
4.13.2	11KV	377	314	20%	1555	1185	31%
4.13.3	33KV	416	328	27%	1666	1247	34%
4.13.4	EHT	804	467	72%	2948	1868	58%
2.24	Cost of Service	4030	3267	23%	17291	13246	31%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.14.1	LT	7.8	6.8	14%	7.9	6.3	26%
4.14.2	11KV	7.6	6.7	13%	7.7	6.2	25%
4.14.3	33KV	7.4	6.5	14%	7.5	5.9	26%
4.14.4	EHT	7.1	6.3	14%	7.2	5.7	26%
2.37	ACS	7.6	6.7	13%	7.7	6.2	25%

## 5. Receivables

### 5.1 Income Estimates (Rs Cr)

#	Item	Q1	Q2	Q3	Q4	FY23
5.1.1	<b>Subsidy</b>	<b>4056</b>	<b>2298</b>	<b>2781</b>	<b>2781</b>	<b>11916</b>
5.1.2	Agriculture Subsidy	3881	1634	2274	2274	10064
5.1.3	Aquaculture Subsidy	175	484	238	238	1135
5.1.4	SC Colonies Subsidy	0	86	129	129	345
5.1.5	ST Thandas Subsidy	0	18	28	28	74
5.1.6	Other Subsidy	0	74	112	112	298
5.1.7	<b>Govt Agencies</b>	<b>586</b>	<b>1038</b>	<b>1223</b>	<b>1223</b>	<b>4070</b>
5.1.8	Panchayats	59	296	426	426	1208
5.1.9	WR Dept	11	119	179	179	488
5.1.10	ULB	79	336	467	467	1350
5.1.11	Other Govt Dept	438	287	150	150	1024
5.1.12	<b>Govt serviced debt</b>	<b>259</b>	<b>88</b>	<b>0</b>	<b>0</b>	<b>347</b>
5.1.13	<b>UDAY Receivables</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
5.1.14	<b>Private Customers Receivables</b>	<b>8034</b>	<b>8191</b>	<b>7792</b>	<b>7792</b>	<b>31809</b>
5.1.15	<b>Total</b>	<b>12935</b>	<b>11615</b>	<b>11796</b>	<b>11796</b>	<b>48142</b>
5.1.16	<b>Opex Loans</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24</b>
5.1.17	<b>Capex Loans</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### 5.2 Receivables during Month (Rs Cr)

#	Item	ERC-BE	Demand	Collections		Balance	% ↑	% δ ERC
				CY	PY			
5.2.1	<b>Subsidy</b>	<b>927</b>	<b>863</b>	<b>444</b>	<b>250</b>	<b>419</b>	<b>78%</b>	<b>-52%</b>
5.2.2	Agriculture Subsidy	758	762	118	250	643	-53%	-84%
5.2.3	Aquaculture Subsidy	79	13	325	0	-313	-	310%
5.2.4	SC Colonies Subsidy	43	42	0	0	42	-	-100%
5.2.5	ST Thandas Subsidy	9	8	0	0	8	-	-100%
5.2.6	Other Subsidy	37	38	0	0	38	-	-100%
5.2.7	<b>Govt Agencies</b>	<b>408</b>	<b>395</b>	<b>223</b>	<b>115</b>	<b>172</b>	<b>95%</b>	<b>-45%</b>
5.2.8	Panchayats	142	127	12	12	115	5%	-91%
5.2.9	WR Dept	60	68	0	0	68	-7%	-100%
5.2.10	ULB	156	54	24	11	30	125%	-84%
5.2.11	Other Govt Dept	50	145	187	92	-41	103%	273%
5.2.12	<b>Govt serviced debt</b>	<b>0</b>	<b>88</b>	<b>88</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>-</b>
5.2.13	<b>UDAY Receivables</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>-</b>
5.2.14	<b>Private Customers Receivables</b>	<b>2597</b>	<b>3027</b>	<b>2996</b>	<b>2209</b>	<b>31</b>	<b>36%</b>	<b>15%</b>
5.2.15	<b>Total</b>	<b>3932</b>	<b>4373</b>	<b>3751</b>	<b>2573</b>	<b>622</b>	<b>46%</b>	<b>-5%</b>
5.2.16	<b>Opex Loans</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>596</b>	<b>0</b>	<b>-100%</b>	<b>-</b>
5.2.17	<b>Capex Loans</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>-100%</b>	<b>-</b>

### 5.3 Receivables YTD (Rs Cr)

#	Item	OB	ERC-BE	Demand	Collections		CB	OD > 180 Days	% ↑	% δ ERC
					CY	PY				
5.3.1	<b>Subsidy</b>	<b>4921</b>	<b>3708</b>	<b>3613</b>	<b>4500</b>	<b>2255</b>	<b>4035</b>	<b>3463</b>	<b>100%</b>	<b>21%</b>
5.3.2	Agriculture Subsidy	2242	3032	3047	3999	2164	1290	1939	85%	32%
5.3.3	Aquaculture Subsidy	1683	317	172	501	91	1355	811	450%	58%
5.3.4	SC Colonies Subsidy	724	172	178	0	0	902	507	-	-100%
5.3.5	ST Thandas Subsidy	249	37	36	0	0	285	170	-	-100%
5.3.6	Other Subsidy	23	149	180	0	0	202	35	-	-100%
5.3.7	<b>Govt Agencies</b>	<b>9261</b>	<b>1630</b>	<b>1704</b>	<b>809</b>	<b>487</b>	<b>10156</b>	<b>3506</b>	<b>66%</b>	<b>-50%</b>
5.3.8	Panchayats	3800	568	515	71	58	4244	2023	23%	-88%

5.3.9	WR Dept	4725	238	300	11	8	5015	1038	39%	-95%
5.3.10	ULB	245	623	220	104	40	361	250	162%	-83%
5.3.11	Other Govt Dept	491	200	669	624	382	536	196	63%	212%
5.3.12	<b>Govt serviced debt</b>	0	0	409	347	168	62	0	107%	-
5.3.13	<b>UDAY Receivables</b>	0	0	0	0	0	0	0	-	-
5.3.14	<b>Private Customers Receivables</b>	3565	10390	11413	11030	9077	3948	1763	22%	6%
5.3.15	<b>Total</b>	<b>17747</b>	<b>15728</b>	<b>17139</b>	<b>16686</b>	<b>11987</b>	<b>18200</b>	<b>8731</b>	<b>39%</b>	<b>6%</b>
5.3.16	<b>Opex Loans</b>	0	0	0	24	5339	24	0	-100%	-
5.3.17	<b>Capex Loans</b>	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	<b>PP Cost</b>	<b>10259</b>	<b>8092</b>	<b>7567</b>	<b>8201</b>	<b>34119</b>
6.1.2	State Thermal	3147	3312	3557	3967	13984
6.1.3	State Hydel	157	157	157	157	628
6.1.4	CGS	1726	1216	931	939	4812
6.1.5	IPPs Gas	76	65	86	85	312
6.1.6	IPPs Thermal	542	737	835	766	2880
6.1.7	VRE- Wind	1033	1522	541	511	3607
6.1.8	VRE- Solar	816	772	710	878	3176
6.1.9	RE-Others	51	55	79	78	262
6.1.10	Market	2573	256	671	821	4321
6.1.11	Other	138	0	0	0	138
6.1.12	Wind @ interim rate	0	854	541	511	1906
6.1.13	Solar @ interim rate	0	510	710	878	2098
6.1.14	<b>CTU Cost</b>	<b>303</b>	<b>228</b>	<b>204</b>	<b>204</b>	<b>939</b>
6.1.15	<b>STU Cost</b>	<b>699</b>	<b>716</b>	<b>741</b>	<b>741</b>	<b>2897</b>
6.1.16	<b>Distribution Cost</b>	<b>2002</b>	<b>2438</b>	<b>2592</b>	<b>2592</b>	<b>9625</b>
6.1.17	O&M Cost	1290	1522	1606	1606	6024
6.1.18	HR Cost	1088	1237	1287	1287	4899
6.1.19	A&G Cost	50	81	99	99	328
6.1.20	R&M Cost	153	204	220	220	796
6.1.21	Depreciation	394	400	382	382	1559
6.1.22	ROCE	76	354	486	486	1401
6.1.23	Others	242	162	119	119	642
6.1.24	<b>Cost of Service</b>	<b>13263</b>	<b>11475</b>	<b>11104</b>	<b>11739</b>	<b>47581</b>
7.1.1	Capex Debt service (P+I)	376	296	236	236	1143
7.1.2	Opex Debt service (P+I)	1556	322	0	0	1877

### 6.2 Payables during the Month (Rs Cr)

#	Item	ERC-BE	Payable	Paid		Balance	% ↑	% Δ ERC
				CY	PY			
6.2.1	<b>PP Cost</b>	<b>2558</b>	<b>3006</b>	<b>2807</b>	<b>2913</b>	<b>199</b>	<b>-4%</b>	<b>10%</b>
6.2.2	State Thermal	1162	920	1184	1699	-264	-30%	2%
6.2.3	State Hydel	52	52	59	51	-7	15%	13%
6.2.4	CGS	314	608	873	993	-265	-12%	178%
6.2.5	IPPs Gas	24	19	19	33	-1	-42%	-20%
6.2.6	IPPs Thermal	253	204	181	69	23	162%	-28%
6.2.7	VRE- Wind	525	667	128	4	539	2984%	-76%
6.2.8	VRE- Solar	208	262	38	19	224	98%	-82%
6.2.9	RE-Others	19	17	16	2	1	729%	-17%
6.2.10	Market	0	256	309	43	-53	623%	0%
6.2.11	Other	0	0	0	0	0	-	-100%
6.2.12	Wind @ interim rate	525	0	0	4	0	-100%	-100%
6.2.13	Solar @ interim rate	208	0	0	19	0	-100%	-100%
6.2.14	<b>CTU Cost</b>	<b>68</b>	<b>92</b>	<b>86</b>	<b>141</b>	<b>6</b>	<b>-39%</b>	<b>26%</b>
6.2.15	<b>STU Cost</b>	<b>247</b>	<b>222</b>	<b>136</b>	<b>148</b>	<b>86</b>	<b>-8%</b>	<b>-45%</b>
6.2.16	<b>Distribution Cost</b>	<b>864</b>	<b>710</b>	<b>511</b>	<b>486</b>	<b>199</b>	<b>5%</b>	<b>-41%</b>
6.2.17	O&M Cost	535	452	445	450	7	-1%	-17%
6.2.18	HR Cost	429	379	372	394	7	-6%	-13%
6.2.19	A&G Cost	33	16	18	23	-3	-21%	-44%
6.2.20	R&M Cost	73	57	55	32	2	69%	-25%
6.2.21	Depreciation	127	145	0	0	0	-	-100%
6.2.22	ROCE	162	31	0	0	0	-	-100%
6.2.23	Others	40	83	66	36	17	84%	66%
6.2.24	<b>Cost of Service</b>	<b>3737</b>	<b>4030</b>	<b>3540</b>	<b>3688</b>	<b>490</b>	<b>-4%</b>	<b>-5%</b>
7.2.2	Capex Debt service (P+I)	79	139	173	118	-34	47%	120%

7.2.1	Opex Debt service (P+I)	0	322	186	115	136	61%	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	<b>PP Cost</b>	<b>11142</b>	<b>10545</b>	<b>13265</b>	<b>12095</b>	<b>11419</b>	<b>12312</b>	<b>2998</b>	<b>6%</b>	<b>15%</b>
6.3.2	State Thermal	1525	5039	4067	5507	4878	85	755	13%	9%
6.3.3	State Hydel	77	209	209	229	221	57	141	4%	9%
6.3.4	CGS	1357	1169	2334	2826	3154	865	53	-10%	142%
6.3.5	IPPs Gas	63	109	94	94	149	63	29	-37%	-14%
6.3.6	IPPs Thermal	559	1091	746	702	297	603	425	136%	-36%
6.3.7	VRE- Wind	5351	1579	1701	140	798	6912	1093	-82%	-91%
6.3.8	VRE- Solar	2053	1174	1078	42	268	3089	502	-84%	-96%
6.3.9	RE-Others	73	86	68	42	70	99	0	-40%	-51%
6.3.10	Market	84	88	2829	2513	1584	400	0	59%	2746%
6.3.11	Other	0	0	138	0	0	138	0	-	-100%
6.3.12	Wind @ interim rate	0	1579	0	0	4	0	0	-100%	-100%
6.3.13	Solar @ interim rate	7	1174	0	1	22	6	0	-96%	-100%
6.3.14	<b>CTU Cost</b>	<b>86</b>	<b>272</b>	<b>395</b>	<b>471</b>	<b>451</b>	<b>10</b>	<b>0</b>	<b>5%</b>	<b>73%</b>
6.3.15	<b>STU Cost</b>	<b>1995</b>	<b>988</b>	<b>922</b>	<b>545</b>	<b>635</b>	<b>2372</b>	<b>187</b>	<b>-14%</b>	<b>-45%</b>
6.3.16	<b>Distribution Cost</b>	<b>0</b>	<b>3457</b>	<b>2712</b>	<b>2100</b>	<b>2251</b>	<b>611</b>	<b>0</b>	<b>-7%</b>	<b>-39%</b>
6.3.17	O&M Cost	0	2141	1742	1822	1860	-80	0	-2%	-15%
6.3.18	HR Cost	0	1716	1467	1532	1581	-66	0	-3%	-11%
6.3.19	A&G Cost	0	131	65	71	101	-5	0	-30%	-46%
6.3.20	R&M Cost	0	293	210	218	179	-9	0	22%	-26%
6.3.21	Depreciation	0	510	539	0	220	0	0	-100%	-100%
6.3.22	ROCE	0	647	106	0	0	0	0	-	-100%
6.3.23	Others	0	159	324	279	171	45	0	63%	76%
6.3.24	<b>Cost of Service</b>	<b>13223</b>	<b>15261</b>	<b>17293</b>	<b>15211</b>	<b>14756</b>	<b>15305</b>	<b>3185</b>	<b>3%</b>	<b>0%</b>
7.3.1	Capex Debt service (P+I)	0	314	515	549	475	-34	0	16%	75%
7.3.2	Opex Debt service (P+I)	0	0	1877	2209	3338	-332	0	-34%	-

## 7. Debt Servicing

### 7.1 Debt Servicing Schedule (Rs Cr)

#	Item	Q1	Q2	Q3	Q4	FY23
7.1.1	ERC allowed-Capex Debt	376	296	236	236	1143
7.1.2	ERC disallowable-Opex Debt	1556	322	0	0	1877
7.1.3	<b>Debt Servicing</b>	1932	617	236	236	3020

### 7.2 Debt Servicing during the month (Rs Cr)

#	Item	ERC-BE	Due	Paid		Over Due	% ↑	% δ ERC
				CY	PY			
7.2.1	ERC allowed-Capex Debt	79	139	173	118	-34	47%	120%
7.2.2	ERC disallowable-Opex Debt	0	322	186	115	136	61%	0%
7.2.3	<b>Debt Servicing</b>	79	460	359	233	102	54%	357%

### 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	314	515	549	475	-34	0	16%	75%
7.3.2	ERC disallowable-Opex Debt	0	0	1877	2209	3338	-332	144	-34%	0%
7.3.3	<b>Debt Servicing</b>	0	314	2392	2758	3812	-366	144	-28%	778%

### 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	5858	5273	11%	5522	5831	-5%	11380	11104	2%
7.4.2	PFC	612	681	-10%	4973	5123	-3%	5586	5804	-4%
7.4.3	APPFCL	0	0	-	11528	11667	-1%	11528	11667	-1%
7.4.4	BANKS	1446	1532	-6%	1229	1395	-12%	2675	2927	-9%
7.4.5	IREDA	0	0	-	486	874	-44%	486	874	-44%
7.4.6	ICD	0	0	-	693	784	-12%	693	784	-12%
7.4.7	PTC	0	0	-	84	109	-23%	84	109	-23%
7.4.8	GOAP	9	9	0%	0	0	-	9	9	0%
7.4.9	OTHERS	1116	690	62%	5434	4087	33%	6549	4776	37%
7.4.10	<b>Debt Outstanding</b>	<b>9041</b>	<b>8184</b>	<b>10%</b>	<b>29950</b>	<b>29870</b>	<b>0%</b>	<b>38991</b>	<b>38055</b>	<b>2%</b>

## 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 <sup>6</sup> Units)
Rs Cr	Rupees Crore
KPIs	Key Performance Indicators
KWh	Kilo Watt Hour (1 Unit)
KV	Kilo Volts (10 <sup>3</sup> 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 <sup>3</sup> 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	<b>D</b> =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	<b>G</b> = 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	<b>E</b> = 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	<b>F</b> = 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	<b>H</b> = 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	<b>I</b> =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	<b>D</b> =Refer 3.1.22
2.01	Discom Losses	Loss Incurred at Voltage <= 33KV
2.02	Discom Input	<b>C</b> =Input at Discom Periphery
2.03	Transmission Loss	<b>B</b> = Loss Incurred at Voltage >33KV
4.1.11	Discom Purchases	<b>A</b> =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	<b>a</b> =Expenditure for using State Transmission Network for Transmission of Power
2.11	CTU Cost	<b>b</b> =Expenditure for using Central Transmission Network for Transmission
2.12	Distribution Network Cost	<b>c</b> =Expenditure incurred to Discoms for wheeling of Energy through its Network (d+h+i+j)

2.13	O&M Cost	<b>d</b> =Operation and Maintenance Cost (e+f+g)
2.14	HR Cost	<b>e</b> =Human Resource Cost
2.15	A&G Cost	<b>f</b> =Admin and General Cost
2.16	R & M Cost	<b>g</b> =Repairs and Maintenance
2.17	Depreciation	<b>h</b> = value of a fixed asset minus all of the accumulated depreciation that has been recorded against it
2.18	ROCE	<b>i</b> =Return on Capital Employed
2.19	Others	<b>j</b> =Any other Cost
2.20	Network Cost	CTU Cost + STU Cost + Distribution Cost
<b>Retail Supply Cost (Rs Cr)</b>		
2.21	B&C Cost and Supply Margin	<b>k</b> =Billing and Collection Cost and Supply Gain Margin
2.22	Interest on Security Deposits	<b>l</b> =interest on security deposit collected from the consumers
2.23	Retail Supply Cost	k+l
<b>Cost of Service (Rs Cr)</b>		
2.24	Cost of Service	Power Purchase Cost + Network Cost +Retail Supply Cost
7.2.2	ERC Disallowed Debt Service	Refer 7.2.2
<b>KPIs on Purchase basis</b>		
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	$\frac{\text{Cost of Service(Rs Cr)} \times 10}{\text{Discom Purchase(MU)}} \text{ (Rs /kWh)}$
<b>KPIs on Sales basis</b>		
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	$\frac{\text{ERC Disallowed Debt Service(Rs. Cr)} \times 10}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
<b>AT&amp;C Losses</b>		
2.39	Collection $\eta$	$J=(F+G-I)/E * 100$
2.40	Units Realized	$K=D * J/100$
2.41	Units Unrealized	$L=C-K$
2.42	AT&C Losses	<b>M</b> =Aggregate Technical and Commercial Loss =L/C *100
<b>ARR-ACS GAP</b>		
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 31<sup>st</sup> March of Specified Year

1. Debt servicing data is obtained from APPCC