

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

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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	4325 (85%)	3924 (84%)	10%	46317 (86%)	42481 (83%)	9%
3.1.12	Agl Consumption	MU	765 (15%)	733 (16%)	4%	7466 (14%)	8412 (17%)	-11%
3.1.22	Discom Sales	MU	5091	4657	9%	53782	50893	6%
1.02	Private Sales	MU	3980 (78%)	3536 (76%)	13%	44475 (83%)	40535 (80%)	10%
1.03	Government Sales	MU	437 (9%)	376 (8%)	16%	3812 (7%)	3743 (7%)	2%
1.04	Government Subsidy	MU	674 (13%)	745 (16%)	-9%	5495 (10%)	6614 (13%)	-17%
<b>Collection (Rs. Cr)</b>								
1.05	Opening Debtors	Rs Cr	15067	11849	27%	12699	10523	21%
5.2.14	Pvt Sales	Rs Cr	2726	1923	42%	27812	22685	23%
5.2.7	Gov Sales	Rs Cr	162	186	-13%	2673	2797	-4%
5.2.1	Gov Subsidy	Rs Cr	799	35	2162%	6306	7526	-16%
1.06	Others	Rs Cr	2018	90	2152%	2875	1026	180%
5.2.15	Discom Collections	Rs Cr	5705	2234	155%	39667	34034	17%
1.07	Metered Sales	Rs Cr	2880	2102	37%	30947	26039	19%
3.3.12	Agl Collections	Rs Cr	803	41	1863%	5843	6970	-16%
1.08	Revenue from Sale	Rs Cr	3626	3269	11%	38630	33338	16%
1.09	Adj Revenue from Sale	Rs Cr	3551	2598	37%	36751	33205	11%
1.10	Closing Debtors	Rs Cr	15450	12162	27%	15450	12162	27%
1.11	Adj Closing Debtors	Rs Cr	15450	12162	27%	15450	12162	27%
<b>KPIs</b>								
3.5.22	ARR	Rs/kWh	7.24	4.60	57%	6.84	6.49	5%
3.6.22	AMC	kWh/bill/Mth	269	256	5%	207	234	-12%
3.7.22	ACPB	Rs/bill/Mth	1945	1176	65%	1417	1519	-7%

## 2. Purchases

#	Item	Units	Month			YTD		
			CY	PY	% ↑	CY	PY	% ↑
<b>Power Purchase</b>								
3.1.22	Discom Sales	MU	5091 (89%)	4657 (85%)	9%	53782 (90%)	50893 (90%)	6%
2.01	Discom Losses	MU	402 (7%)	368 (7%)	9%	3872 (6%)	3836 (7%)	1%
2.02	Discom Input	MU	5873 (103%)	5257 (96%)	12%	56455 (95%)	53527 (95%)	5%
2.03	Transmission Loss	MU	154 (3%)	147 (3%)	5%	1520 (3%)	1538 (3%)	-1%
4.1.11	Discom Purchases	MU	5726	5502	4%	59697	56610	5%
4.2.11	Power Purchase Cost	Rs. Cr	2910 (74%)	2251 (72%)	29%	30620 (74%)	24355 (73%)	26%
<b>Contracted Network Capacity (MW)</b>								
2.04	STU	MW	13877	12843	8%	13877	12843	8%
2.05	CTU	MW	1591	1722	-8%	1965	1850	6%
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%	1.6	1.6	6%
2.08	CTU Charges	Rs. Lacs/MW/Mth	5.0	3.1	61%	5.6	3.2	75%
2.09	Distribution Charges	Rs. Lacs/MW/Mth	5.7	5.3	8%	5.6	5.4	3%
<b>Network Cost (Rs. Cr)</b>								
2.10	STU Cost	Rs Cr	217 (5%)	203 (6%)	7%	2273 (6%)	1993 (6%)	14%
2.11	CTU Cost	Rs Cr	80 (2%)	54 (2%)	49%	1095 (3%)	591 (2%)	85%
2.12	Distribution Network Cost	Rs Cr	712 (18%)	596 (19%)	20%	6920 (17%)	6135 (18%)	13%
2.13	O&M Cost	Rs Cr	475	391	21%	4680	4153	13%
2.14	HR Cost	Rs Cr	398	325	22%	3975	3504	13%
2.15	A&G Cost	Rs Cr	23	17	38%	178	170	5%
2.16	R & M Cost	Rs Cr	54	49	9%	527	479	10%
2.17	Depreciation	Rs Cr	146	135	7%	1400	1295	8%
2.18	ROCE	Rs Cr	32	26	21%	313	236	33%
2.19	Others	Rs Cr	60	43	40%	527	452	17%
2.20	Network Cost	Rs Cr	1009 (26%)	853 (27%)	18%	10288 (25%)	8720 (26%)	18%
<b>Retail Supply Cost (Rs. Cr)</b>								
2.21	B&C Cost and Supply Margin	Rs Cr	17	14	20%	156	150	4%
2.22	Interest on Security Deposits	Rs Cr	19	18	8%	196	181	8%
2.23	Retail Supply Cost	Rs Cr	37 (1%)	32 (1%)	13%	352 (1%)	331 (1%)	7%
<b>Cost of Service (Rs. Cr)</b>								
2.24	Cost of Service	Rs Cr	3956	3136	26%	41260	33405	24%
7.2.2	ERC Disallowed Debt	Rs Cr	544	143	281%	7938	9366	-15%
<b>KPIs on Purchase basis</b>								
4.5.11	Energy Cost on Purchase Basis	Rs/kWh	5.08	4.09	24%	5.13	4.30	19%
2.25	STU Cost per Unit	Rs/kWh	0.38	0.37	3%	0.38	0.35	8%
2.26	CTU Cost per Unit	Rs/kWh	0.14	0.10	43%	0.18	0.10	76%
2.27	CTU Cost Per Unit on CGS purchases	Rs/kWh	0.79	0.42	86%	1.00	0.56	77%
2.28	Distribution Network Cost per Unit	Rs/kWh	1.24	1.08	15%	1.16	1.08	7%
2.29	Network Cost per Unit	Rs/kWh	1.76	1.44	22%	1.72	1.54	12%
2.30	Retail Supply Cost per Unit	Rs/kWh	0.06	0.06	9%	0.06	0.06	1%
2.31	Cost of Service per Unit	Rs/kWh	6.91	5.70	21%	6.91	5.90	17%
<b>KPIs on Sales basis</b>								
2.32	Energy Cost on Sales Basis	Rs/kWh	5.72	4.83	18%	5.69	4.79	19%
2.33	STU Cost per Unit	Rs/kWh	0.43	0.31	39%	0.42	0.39	8%
2.34	CTU Cost per Unit	Rs/kWh	0.16	0.11	36%	0.20	0.12	75%
2.35	Distribution Network Cost per Unit	Rs/kWh	1.40	1.28	9%	1.29	1.21	7%
2.36	Network Cost per Unit	Rs/kWh	1.98	1.83	8%	1.91	1.71	12%

2.37	Retail Supply Cost per Unit	Rs/kWh	0.07	0.07	4%		0.07	0.06	1%
2.38	ACS	Rs/kWh	7.77	6.73	15%		7.67	6.56	17%
2.39	ERC Disallowed Debt per Unit	Rs/kWh	1.07	0.31	248%		1.48	1.84	-20%
<b>AT&amp;C Losses</b>									
2.40	Collection $\eta$	%	87%	70%	25%		88%	95%	-7%
2.41	Units Realized	MU	4748	3418	39%		46329	47047	-2%
2.42	Units Unrealized	MU	1125	1839	-39%		10127	6481	56%
2.43	AT&C Losses	%	19%	35%	-45%		18%	12%	48%
<b>ARR-ACS GAP</b>									
2.44	GAP	Rs/kWh	-0.54	-2.13	-75%		-0.83	-0.08	967%

### 3. Sales by Categories

#### 3.1 Energy Sales by Category

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.1.1	0-30	43 (1%)	45 (1%)	-4%	325 (1%)	297 (1%)	9%
3.1.2	31-75	246 (5%)	250 (5%)	-2%	2090 (4%)	2007 (4%)	4%
3.1.3	76-125	344 (7%)	317 (7%)	9%	3499 (7%)	3340 (7%)	5%
3.1.4	126-225	372 (7%)	332 (7%)	12%	4771 (9%)	4816 (9%)	-1%
3.1.5	226-400	126 (2%)	104 (2%)	21%	2762 (5%)	2777 (5%)	-1%
3.1.6	>400	42 (1%)	39 (1%)	7%	1647 (3%)	1770 (3%)	-7%
3.1.7	LT-1	1173 (23%)	1088 (23%)	8%	15094 (28%)	15006 (29%)	1%
3.1.8	LT-2	274 (5%)	240 (5%)	14%	3002 (6%)	2534 (5%)	18%
3.1.9	LT-3	142 (3%)	139 (3%)	2%	1359 (3%)	1291 (3%)	5%
3.1.10	LT-4	145 (3%)	122 (3%)	19%	1394 (3%)	1184 (2%)	18%
3.1.11	LT-5	1058 (21%)	1053 (23%)	0%	10955 (20%)	11806 (23%)	-7%
3.1.12	LT-5 A (ii)	765 (15%)	733 (16%)	4%	7466 (14%)	8412 (17%)	-11%
3.1.13	LT-5 excluding A(ii)	293 (6%)	320 (7%)	-8%	3489 (6%)	3394 (7%)	3%
3.1.14	LT	2793 (55%)	2643 (57%)	6%	31805 (59%)	31821 (63%)	0%
3.1.15	HT-1	4 (0%)	4 (0%)	9%	55 (0%)	53 (0%)	3%
3.1.16	HT-2	154 (3%)	123 (3%)	25%	1573 (3%)	1260 (2%)	25%
3.1.17	HT-3	1747 (34%)	1558 (33%)	12%	16871 (31%)	14318 (28%)	18%
3.1.18	HT-4	250 (5%)	211 (5%)	19%	2344 (4%)	1938 (4%)	21%
3.1.19	HT-5	115 (2%)	93 (2%)	23%	766 (1%)	1126 (2%)	-32%
3.1.20	Rescos	27 (1%)	25 (1%)	7%	368 (1%)	376 (1%)	-2%
3.1.21	HT	2298 (45%)	2014 (43%)	14%	21977 (41%)	19072 (37%)	15%
3.1.22	Discom Sales	5091	4657	9%	53782	50893	6%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.2.1	LT	2793	2643	6%	31763	31797	0%
3.2.2	11KV	480	445	8%	4929	4603	7%
3.2.3	33KV	546	541	1%	5702	5396	6%
3.2.4	EHT	1272	1028	24%	11389	9097	25%
3.1.22	Discom Sales	5091	4657	9%	53782	50893	6%

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

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.3.1	0-30	30 (1%)	21 (1%)	44%	229 (1%)	176 (1%)	30%
3.3.2	31-75	83 (2%)	52 (2%)	59%	642 (2%)	478 (1%)	34%
3.3.3	76-125	124 (3%)	88 (4%)	41%	1180 (3%)	1014 (3%)	16%
3.3.4	126-225	160 (4%)	101 (5%)	59%	1940 (5%)	1751 (5%)	11%
3.3.5	226-400	71 (2%)	53 (2%)	35%	1560 (4%)	1472 (4%)	6%
3.3.6	>400	33 (1%)	26 (1%)	25%	1177 (3%)	1280 (4%)	-8%
3.3.7	LT-1	501 (14%)	341 (16%)	47%	6729 (18%)	6171 (19%)	9%
3.3.8	LT-2	321 (9%)	258 (12%)	24%	3444 (9%)	2740 (8%)	26%
3.3.9	LT-3	126 (3%)	103 (5%)	22%	1231 (3%)	1069 (3%)	15%
3.3.10	LT-4	22 (1%)	44 (2%)	-49%	431 (1%)	1519 (5%)	-72%
3.3.11	LT-5	906 (25%)	97 (5%)	836%	7370 (20%)	8212 (25%)	-10%
3.3.12	LT-5 A (ii)	803 (22%)	41 (2%)	1863%	5843 (16%)	6970 (21%)	-16%
3.3.13	LT-5 excluding A(ii)	103 (3%)	56 (3%)	84%	1527 (4%)	1242 (4%)	23%
3.3.14	LT	1876 (51%)	842 (39%)	123%	19205 (52%)	19712 (60%)	-3%
3.3.15	HT-1	3 (0%)	3 (0%)	15%	39 (0%)	43 (0%)	-9%

3.3.16	HT-2	176 (5%)	140 (7%)	26%		1792 (5%)	1433 (4%)	25%
3.3.17	HT-3	1472 (40%)	1012 (47%)	45%		13217 (36%)	10131 (31%)	30%
3.3.18	HT-4	149 (4%)	141 (7%)	5%		1643 (4%)	1347 (4%)	22%
3.3.19	HT-5	6 (0%)	3 (0%)	118%		706 (2%)	315 (1%)	124%
3.3.20	Rescos	1 (0%)	1 (0%)	-6%		187 (1%)	28 (0%)	559%
3.3.21	HT	1807 (49%)	1300 (61%)	39%		17584 (48%)	13297 (40%)	32%
3.3.22	Discom Collections	3683	2143	72%		36789	33009	11%

### 3.4 Bills by Category (Nos)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.4.1	0-30	38,59,746(20%)	38,47,031(21%)	0%	38,59,746(15%)	38,47,031(18%)	0%
3.4.2	31-75	46,80,338(25%)	47,85,825(26%)	-2%	46,80,338(18%)	47,85,825(22%)	-2%
3.4.3	76-125	35,22,575(19%)	32,55,677(18%)	8%	37,78,179(15%)	35,91,647(17%)	5%
3.4.4	126-225	23,17,688(12%)	20,75,416(11%)	12%	32,54,941(13%)	33,17,541(15%)	-2%
3.4.5	226-400	4,58,691(2%)	3,80,247(2%)	21%	14,34,087(6%)	13,92,536(6%)	3%
3.4.6	>400	77,277(0%)	63,214(0%)	22%	7,35,629(3%)	6,56,171(3%)	12%
3.4.7	LT-1	1,49,16,315(79%)	1,44,07,410(79%)	4%	1,77,42,920(68%)	1,75,90,751(81%)	1%
3.4.8	LT-2	16,63,459(9%)	15,65,918(9%)	6%	52,81,034(20%)	15,65,918(7%)	237%
3.4.9	LT-3	81,624(0%)	81,161(0%)	1%	5,24,960(2%)	81,242(0%)	546%
3.4.10	LT-4	3,51,075(2%)	3,36,953(2%)	4%	3,51,075(1%)	3,38,221(2%)	4%
3.4.11	LT-5	19,11,981(10%)	18,11,888(10%)	6%	20,50,893(8%)	21,47,268(10%)	-4%
3.4.12	LT-5 A (ii)	18,36,419(10%)	17,14,300(9%)	7%	18,36,419(7%)	17,14,300(8%)	7%
3.4.13	LT-5 excluding A(ii)	75,562(0%)	97,588(1%)	-23%	2,14,474(1%)	4,32,968(2%)	-50%
3.4.14	LT	1,89,24,454(100%)	1,82,03,330(100%)	4%	2,59,50,882(100%)	2,17,23,400(100%)	19%
3.4.15	HT-1	120(0%)	113(0%)	6%	120(0%)	113(0%)	6%
3.4.16	HT-2	4,862(0%)	4,478(0%)	9%	4,862(0%)	4,478(0%)	9%
3.4.17	HT-3	6,579(0%)	6,308(0%)	4%	6,579(0%)	7,011(0%)	-6%
3.4.18	HT-4	813(0%)	718(0%)	13%	813(0%)	719(0%)	13%
3.4.19	HT-5	716(0%)	714(0%)	0%	724(0%)	752(0%)	-4%
3.4.20	Rescos	1(0%)	1(0%)	0%	1(0%)	82(0%)	-99%
3.4.21	HT	13,091(0%)	12,332(0%)	6%	13,099(0%)	13,155(0%)	0%
3.4.22	Discom Bills	1,89,37,545	1,82,15,662	4%	2,59,63,981	2,17,36,555	19%

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

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.5.1	0-30	6.92	4.63	50%	7.05	5.94	19%
3.5.2	31-75	3.38	2.09	61%	3.07	2.38	29%
3.5.3	76-125	3.60	2.78	30%	3.37	3.04	11%
3.5.4	126-225	4.32	3.05	42%	4.07	3.64	12%
3.5.5	226-400	5.66	5.06	12%	5.65	5.30	7%
3.5.6	>400	7.74	6.62	17%	7.15	7.23	-1%
3.5.7	LT-1	4.27	3.14	36%	4.46	4.11	8%
3.5.8	LT-2	11.70	10.73	9%	11.47	10.81	6%
3.5.9	LT-3	8.85	7.40	19%	9.05	8.28	9%
3.5.10	LT-4	1.53	3.56	-57%	3.09	12.83	-76%
3.5.11	LT-5	8.56	0.92	831%	6.73	6.96	-3%
3.5.12	LT-5 A (ii)	10.50	0.56	1781%	7.83	8.29	-6%
3.5.13	LT-5 excluding A(ii)	3.51	1.75	101%	4.38	3.66	20%
3.5.14	LT	6.72	3.19	111%	6.04	6.19	-3%
3.5.15	HT-1	7.42	7.01	6%	7.19	8.15	-12%
3.5.16	HT-2	11.44	11.40	0%	11.39	11.37	0%
3.5.17	HT-3	8.43	6.50	30%	7.83	7.08	11%
3.5.18	HT-4	5.95	6.71	-11%	7.01	6.95	1%
3.5.19	HT-5	0.50	0.28	77%	9.22	2.79	230%
3.5.20	Rescos	0.35	0.40	-12%	5.07	0.75	573%
3.5.21	HT	7.87	6.46	22%	8.00	6.97	15%

3.5.22	ARR	7.24	4.60	57%	6.84	6.49	5%
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### 3.6 Average Monthly Consumption by Category (kWh/Bill/Month)

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.6.1	0-30	11	12	-4%	8	8	9%
3.6.2	31-75	53	52	1%	45	42	7%
3.6.3	76-125	98	97	0%	93	93	0%
3.6.4	126-225	160	160	0%	147	145	1%
3.6.5	226-400	275	275	0%	193	199	-3%
3.6.6	>400	548	624	-12%	224	270	-17%
3.6.7	LT-1	79	76	4%	85	85	0%
3.6.8	LT-2	165	154	7%	57	162	-65%
3.6.9	LT-3	1742	1712	2%	259	1589	-84%
3.6.10	LT-4	413	363	14%	397	350	13%
3.6.11	LT-5	554	581	-5%	534	550	-3%
3.6.12	LT-5 A (ii)	417	428	-3%	407	491	-17%
3.6.13	LT-5 excluding A(ii)	3881	3278	18%	1627	784	108%
3.6.14	LT	148	145	2%	123	146	-16%
3.6.15	HT-1	37083	36106	3%	45499	46896	-3%
3.6.16	HT-2	31684	27436	15%	32354	28146	15%
3.6.17	HT-3	265571	246959	8%	256432	204228	26%
3.6.18	HT-4	307934	293315	5%	288347	269524	7%
3.6.19	HT-5	160489	130910	23%	105839	149719	-29%
3.6.20	Rescos	27080000	25220000	7%	36804902	458510	7927%
3.6.21	HT	175543	163319	7%	167775	144976	16%
3.6.22	AMC	269	256	5%	207	234	-12%

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

#	Category	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
3.7.1	0-30	78	54	44%	59	46	30%
3.7.2	31-75	177	109	62%	137	100	38%
3.7.3	76-125	352	270	30%	312	282	11%
3.7.4	126-225	692	487	42%	596	528	13%
3.7.5	226-400	1556	1389	12%	1088	1057	3%
3.7.6	>400	4242	4132	3%	1600	1951	-18%
3.7.7	LT-1	336	237	42%	379	351	8%
3.7.8	LT-2	1927	1648	17%	652	1750	-63%
3.7.9	LT-3	15411	12680	22%	2345	13162	-82%
3.7.10	LT-4	631	1292	-51%	1228	4492	-73%
3.7.11	LT-5	4739	534	787%	3594	3825	-6%
3.7.12	LT-5 A (ii)	4374	239	1732%	3182	4066	-22%
3.7.13	LT-5 excluding A(ii)	13613	5729	138%	7121	2870	148%
3.7.14	LT	991	463	114%	740	907	-18%
3.7.15	HT-1	275000	253097	9%	327315	382307	-14%
3.7.16	HT-2	362526	312707	16%	368581	319933	15%
3.7.17	HT-3	2237620	1604708	39%	2008966	1444968	39%
3.7.18	HT-4	1833333	1968802	-7%	2021261	1874018	8%
3.7.19	HT-5	80028	36835	117%	975386	418409	133%
3.7.20	Rescos	9500000	10100000	-6%	186624641	345243	-
3.7.21	HT	1380658	1054282	31%	1342423	1010787	33%
3.7.22	ACPB	1945	1176	65%	1417	1519	-7%

## 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	2127 (37%)	2046 (37%)	4%	2844 (46%)	-25%	19472 (33%)	17492 (31%)	11%	25977 (43%)	-25%
4.1.2	State Hydrel	261 (5%)	245 (4%)	6%	264 (4%)	-1%	3731 (6%)	3203 (6%)	16%	2755 (5%)	35%
4.1.3	CGS	1007 (18%)	1260 (23%)	-20%	871 (14%)	16%	10999 (18%)	10507 (19%)	5%	8139 (14%)	35%
4.1.4	Gas	-1 (0%)	43 (1%)	-101%	46 (1%)	-101%	229 (0%)	967 (2%)	-76%	388 (1%)	-41%
4.1.5	IPPs	495 (9%)	169 (3%)	193%	800 (13%)	-38%	4993 (8%)	1482 (3%)	237%	7577 (13%)	-34%
4.1.6	VRE-Wind	287 (5%)	265 (5%)	8%	370 (6%)	-23%	6796 (11%)	7563 (13%)	-10%	6699 (11%)	1%
4.1.7	VRE-Solar	652 (11%)	760 (14%)	-14%	505 (8%)	29%	5986 (10%)	5928 (10%)	1%	5756 (10%)	4%
4.1.8	RE-Others	31 (1%)	29 (1%)	5%	51 (1%)	-40%	328 (1%)	223 (0%)	47%	408 (1%)	-20%
4.1.9	Markets	867 (15%)	660 (12%)	31%	395 (6%)	120%	7090 (12%)	9082 (16%)	-22%	2161 (4%)	228%
4.1.10	Others	0 (0%)	24 (0%)	-100%	0 (0%)	-	75 (0%)	162 (0%)	-54%	0 (0%)	-
4.1.11	Discom Purchases	5726	5502	4%	6146	-7%	59697	56610	5%	59860	0%

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

#	Source	Month					YTD				
		CY	PY	% ↑	ERC	% δ ERC	CY	PY	% ↑	ERC	% δ ERC
4.2.1	State Thermal	1000 (34%)	1001 (44%)	0%	1323 (51%)	-24%	10155 (33%)	8545 (35%)	19%	12312 (48%)	-18%
4.2.2	State Hydrel	52 (2%)	51 (2%)	2%	52 (2%)	0%	524 (2%)	512 (2%)	2%	523 (2%)	0%
4.2.3	CGS	525 (18%)	504 (22%)	4%	318 (12%)	65%	5970 (19%)	4099 (17%)	46%	3026 (12%)	97%
4.2.4	Gas	3 (0%)	14 (1%)	-80%	29 (1%)	-90%	159 (1%)	248 (1%)	-36%	270 (1%)	-41%
4.2.5	IPPs	218 (7%)	61 (3%)	255%	286 (11%)	-24%	2125 (7%)	567 (2%)	275%	2744 (11%)	-23%
4.2.6	VRE-Wind	136 (5%)	64 (3%)	112%	174 (7%)	-22%	3223 (11%)	3210 (13%)	0%	3148 (12%)	2%
4.2.7	VRE-Solar	276 (10%)	259 (12%)	7%	229 (9%)	21%	2590 (8%)	2423 (10%)	7%	2623 (10%)	-1%
4.2.8	RE-Others	17 (1%)	12 (1%)	44%	29 (1%)	-41%	179 (1%)	101 (0%)	77%	231 (1%)	-22%
4.2.9	Markets	685 (24%)	275 (12%)	149%	170 (7%)	304%	5533 (18%)	4524 (19%)	22%	929 (4%)	496%
4.2.10	Others	-2 (0%)	9 (0%)	-121%	0 (0%)	-	162 (1%)	126 (1%)	29%	0 (0%)	-
4.2.11	Power Purchase Cost	2910	2251	29%	2609	12%	30620	24355	26%	25806	19%

### 4.3 Fixed Cost by Source (Rs Cr)

#	Source	Month					YTD				
		CY	PY	% ↑	ERC	% δ ERC	CY	PY	% ↑	ERC	% δ ERC
4.3.1	State Thermal	269	308	-13%	353	-24%	3329	2703	23%	3531	-6%
4.3.2	State Hydrel	52	51	2%	52	0%	524	512	2%	523	0%
4.3.3	CGS	147	109	35%	76	94%	1633	1189	37%	759	115%
4.3.4	Gas	3	2	34%	18	-84%	25	16	58%	178	-86%
4.3.5	IPPs	72	24	201%	71	2%	731	235	211%	708	3%
4.3.6	Others	-2	9	-121%	0	-	162	126	29%	0	-
4.3.7	Fixed Cost	542	504	8%	570	-5%	6404	4781	34%	5700	12%

#### 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	731	693	6%	970	-25%	6826	5841	17%	8780	-22%
4.4.2	CGS	378	395	-4%	242	56%	4336	2910	49%	2266	91%
4.4.3	Gas	0	12	-100%	11	-100%	134	232	-42%	93	44%
4.4.4	IPPs	146	37	290%	215	-32%	1394	332	320%	2036	-32%
4.4.5	VRE-Wind	136	64	112%	174	-22%	3223	3210	0%	3148	2%
4.4.6	VRE-Solar	276	259	7%	229	21%	2590	2423	7%	2623	-1%
4.4.7	RE-Others	16	12	40%	29	-43%	176	98	80%	231	-24%
4.4.8	Markets	673	275	145%	170	297%	5520	4524	22%	929	494%
4.4.9	Others	0	0	-	0	-	0	0	-	0	-
4.4.10	Variable Cost	2356	1748	35%	2039	16%	24199	19570	24%	20106	20%

#### 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	4.70	4.89	-4%	4.65	1%	5.22	4.88	7%	4.74	10%
4.5.2	State Hydrel	2.01	2.09	-4%	1.98	1%	1.40	1.60	-12%	1.90	-26%
4.5.3	CGS	5.21	4.00	30%	3.65	43%	5.43	3.90	39%	3.72	46%
4.5.4	Gas	-51.82	3.32	-	6.23	-931%	6.93	2.57	170%	6.96	-1%
				1659%							
4.5.5	IPPs	4.40	3.63	21%	3.57	23%	4.26	3.83	11%	3.62	18%
4.5.6	VRE-Wind	4.74	2.42	96%	4.70	1%	4.74	4.24	12%	4.70	1%
4.5.7	VRE-Solar	4.24	3.41	24%	4.53	-6%	4.33	4.09	6%	4.56	-5%
4.5.8	RE-Others	5.48	4.00	37%	5.65	-3%	5.47	4.54	20%	5.65	-3%
4.5.9	Markets	7.90	4.17	89%	4.30	84%	7.80	4.98	57%	4.30	81%
4.5.10	Others	0.00	3.88	-100%	0.00	-100%	21.69	7.74	180%	0.00	-
4.5.11	Weighted Average	5.08	4.09	24%	4.25	20%	5.13	4.30	19%	4.31	19%

#### 4.6 Fixed Cost per Unit by Source (Rs/kWh)

#	Source	Month					YTD				
		CY	PY	% ↑	ERC	% δ ERC	CY	PY	% ↑	ERC	% δ ERC
4.6.1	State Thermal	1.26	1.51	-16%	1.24	2%	1.71	1.55	11%	1.36	26%
4.6.2	State Hydrel	2.01	2.09	-4%	1.98	1%	1.40	1.60	-12%	1.90	-26%
4.6.3	CGS	1.46	0.86	69%	0.87	68%	1.49	1.13	31%	0.93	59%
4.6.4	Gas	-51.82	0.49	-10670%	3.85	-1447%	1.09	0.16	565%	4.58	-76%
4.6.5	IPPs	1.46	1.42	3%	0.89	65%	1.46	1.59	-8%	0.93	57%
4.6.6	Others	0.00	3.88	-100%	0.00	-100%	21.69	7.74	180%	0.00	-
4.6.7	Average FC	0.97	0.92	6%	0.93	4%	1.08	0.85	27%	0.95	13%

#### 4.7 Variable Cost per Unit by Source (Rs/kWh)

#	Source	Month					YTD				
		CY	PY	% ↑	ERC	% δ ERC	CY	PY	% ↑	ERC	% δ ERC
4.7.1	State Thermal	3.44	3.39	2%	3.41	1%	3.51	3.34	5%	3.38	4%
4.7.2	CGS	3.75	3.14	20%	2.78	35%	3.94	2.77	42%	2.78	42%
4.7.3	Gas	0.00	2.83	-100%	2.39	-100%	5.83	2.40	143%	2.39	144%
4.7.4	IPPs	2.94	2.21	33%	2.69	9%	2.79	2.24	25%	2.69	4%
4.7.5	VRE-Wind	4.74	2.42	96%	4.70	1%	4.74	4.24	12%	4.70	1%
4.7.6	VRE-Solar	4.24	3.41	24%	4.53	-6%	4.33	4.09	6%	4.56	-5%
4.7.7	RE-Others	5.48	4.00	37%	5.65	-3%	5.47	4.54	20%	5.65	-3%
4.7.8	Markets	7.90	4.17	89%	4.30	84%	7.80	4.98	57%	4.30	81%
4.7.9	Others	0.00	0.00	-	0.00	-	0.00	0.00	-	0.00	-
4.7.10	Average VC	4.11	3.18	30%	3.32	24%	4.05	3.46	17%	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	1596	1277	25%	18084	15217	19%
4.8.2	11KV	275	215	28%	2806	2203	27%
4.8.3	33KV	312	262	19%	3246	2582	26%
4.8.4	EHT	727	497	46%	6484	4353	49%
4.2.11	Power Purchase Cost	2910	2251	29%	30620	24355	26%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.9.1	LT	554	484	14%	6076	5448	12%
4.9.2	11KV	95	81	17%	943	789	20%
4.9.3	33KV	108	99	9%	1091	925	18%
4.9.4	EHT	252	188	34%	2178	1559	40%
2.20	Network Cost	1009	853	18%	10288	8720	18%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.10.1	LT	20	18	9%	208	207	1%
4.10.2	11KV	3	3	12%	32	30	8%
4.10.3	33KV	4	4	5%	37	35	7%
4.10.4	EHT	9	7	28%	75	59	26%
2.23	Retail Supply Cost	37	32	13%	352	331	7%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.11.1	LT	2170	1780	22%	24367	20871	17%
4.11.2	11KV	373	299	25%	3781	3021	25%
4.11.3	33KV	424	365	16%	4374	3542	24%
4.11.4	EHT	988	693	43%	8737	5971	46%
2.24	Cost of Service	3956	3136	26%	41260	33405	24%

#### 4.12 Losses by Voltage (MU)

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.12.1	LT	154	109	42%	1151	902	28%
4.12.2	11KV	113	100	13%	1236	1220	1%
4.12.3	33KV	135	159	-15%	1485	1713	-13%
4.12.4	EHT	154	147	5%	1520	1538	-1%
4.12.5	Loss	556	515	8%	5392	5373	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	2265	1844	23%	25130	21416	17%
4.13.2	11KV	369	298	24%	3763	3015	25%
4.13.3	33KV	406	352	16%	4216	3422	23%
4.13.4	EHT	916	642	43%	8150	5553	47%
2.24	Cost of Service	3956	3136	26%	41260	33405	24%

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

#	Voltage	Month			YTD		
		CY	PY	% ↑	CY	PY	% ↑
4.14.1	LT	8.1	7.0	16%	7.9	6.7	17%
4.14.2	11KV	7.7	6.7	15%	7.6	6.5	17%
4.14.3	33KV	7.4	6.5	14%	7.4	6.3	17%
4.14.4	EHT	7.2	6.2	15%	7.2	6.1	17%
2.38	ACS	7.8	6.7	15%	7.7	6.6	17%

## 5. Receivables

### 5.1 Income Estimates (Rs Cr)

#	Item	Q1	Q2	Q3	Q4	FY23
5.1.1	<b>Subsidy</b>	<b>4057</b>	<b>1066</b>	<b>385</b>	<b>2653</b>	<b>8160</b>
5.1.2	Agriculture Subsidy	3881	740	383	2315	7320
5.1.3	Aquaculture Subsidy	175	325	0	159	660
5.1.4	SC Colonies Subsidy	0	0	0	86	86
5.1.5	ST Thandas Subsidy	0	0	0	18	19
5.1.6	Other Subsidy	0	0	0	74	75
5.1.7	<b>Govt Agencies</b>	<b>586</b>	<b>1413</b>	<b>513</b>	<b>977</b>	<b>3488</b>
5.1.8	Panchayats	59	37	47	295	437
5.1.9	WR Dept	11	648	5	119	783
5.1.10	ULB	79	200	60	331	671
5.1.11	Other Govt Dept	438	527	401	231	1597
5.1.12	<b>Govt serviced debt</b>	<b>260</b>	<b>250</b>	<b>346</b>	<b>136</b>	<b>993</b>
5.1.13	<b>UDAY Receivables</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1882</b>	<b>1882</b>
5.1.14	<b>Private Customers Receivables</b>	<b>8034</b>	<b>8821</b>	<b>8231</b>	<b>7921</b>	<b>33007</b>
5.1.15	<b>Total</b>	<b>12937</b>	<b>11550</b>	<b>9475</b>	<b>13569</b>	<b>47531</b>
5.1.16	<b>Opex Loans</b>	<b>185</b>	<b>1420</b>	<b>118</b>	<b>49</b>	<b>1771</b>
5.1.17	<b>Capex Loans</b>	<b>43</b>	<b>20</b>	<b>21</b>	<b>9</b>	<b>94</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>890</b>	<b>799</b>	<b>35</b>	<b>91</b>	<b>2162%</b>	<b>-14%</b>
5.2.2	Agriculture Subsidy	758	758	799	35	-41	2162%	5%
5.2.3	Aquaculture Subsidy	79	40	0	0	40	-	-100%
5.2.4	SC Colonies Subsidy	43	44	0	0	44	-	-100%
5.2.5	ST Thandas Subsidy	9	10	0	0	10	-	-100%
5.2.6	Other Subsidy	37	38	0	0	38	-	-100%
5.2.7	<b>Govt Agencies</b>	<b>408</b>	<b>530</b>	<b>162</b>	<b>186</b>	<b>369</b>	<b>-13%</b>	<b>-60%</b>
5.2.8	Panchayats	142	153	11	20	142	-47%	-92%
5.2.9	WR Dept	60	144	0	0	144	-47%	-100%
5.2.10	ULB	156	53	20	39	33	-50%	-87%
5.2.11	Other Govt Dept	50	181	131	126	50	4%	162%
5.2.12	<b>Govt serviced debt</b>	<b>0</b>	<b>139</b>	<b>136</b>	<b>90</b>	<b>3</b>	<b>52%</b>	<b>-</b>
5.2.13	<b>UDAY Receivables</b>	<b>0</b>	<b>0</b>	<b>1882</b>	<b>0</b>	<b>-1882</b>	<b>-</b>	<b>-</b>
5.2.14	<b>Private Customers Receivables</b>	<b>2597</b>	<b>3150</b>	<b>2726</b>	<b>1923</b>	<b>424</b>	<b>42%</b>	<b>5%</b>
5.2.15	<b>Total</b>	<b>3932</b>	<b>4709</b>	<b>5705</b>	<b>2234</b>	<b>-996</b>	<b>155%</b>	<b>45%</b>
5.2.16	<b>Opex Loans</b>	<b>0</b>	<b>49</b>	<b>49</b>	<b>10</b>	<b>0</b>	<b>395%</b>	<b>-</b>
5.2.17	<b>Capex Loans</b>	<b>0</b>	<b>9</b>	<b>9</b>	<b>10</b>	<b>0</b>	<b>-5%</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>9269</b>	<b>9051</b>	<b>6306</b>	<b>7526</b>	<b>7666</b>	<b>4742</b>	<b>-16%</b>	<b>-32%</b>
5.3.2	Agriculture Subsidy	2242	7581	7598	5804	6835	4037	2013	-15%	-23%
5.3.3	Aquaculture Subsidy	1683	793	475	501	478	1657	1459	5%	-37%
5.3.4	SC Colonies Subsidy	724	431	467	0	213	1191	843	-100%	-100%
5.3.5	ST Thandas Subsidy	249	92	99	0	0	347	240	-	-100%
5.3.6	Other Subsidy	23	372	412	0	0	434	186	-	-100%
5.3.7	<b>Govt Agencies</b>	<b>9261</b>	<b>4075</b>	<b>4845</b>	<b>2673</b>	<b>2797</b>	<b>11433</b>	<b>7873</b>	<b>-4%</b>	<b>-34%</b>
5.3.8	Panchayats	3800	1421	1440	153	1221	5086	3252	-87%	-89%

5.3.9	WR Dept	4725	596	1140	664	107	5202	3961	519%	11%
5.3.10	ULB	245	1558	542	359	362	427	208	-1%	-77%
5.3.11	Other Govt Dept	491	500	1724	1497	1108	718	452	35%	199%
5.3.12	<b>Govt serviced debt</b>	0	0	1116	993	1026	123	0	-3%	-
5.3.13	<b>UDAY Receivables</b>	0	0	0	1882	0	-1882	0	-	-
5.3.14	<b>Private Customers Receivables</b>	3565	25975	30318	27812	22685	6070	3199	23%	7%
5.3.15	<b>Total</b>	<b>17747</b>	<b>39319</b>	<b>45330</b>	<b>39667</b>	<b>34034</b>	<b>23410</b>	<b>15813</b>	<b>17%</b>	<b>1%</b>
5.3.16	<b>Opex Loans</b>	0	0	582	1771	5198	1189	0	-66%	-
5.3.17	<b>Capex Loans</b>	0	0	94	94	157	0	0	-40%	-

## 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>8791</b>	<b>8660</b>	<b>8503</b>	<b>36213</b>
6.1.2	State Thermal	3147	2706	3302	3644	12799
6.1.3	State Hydel	157	157	157	157	628
6.1.4	CGS	1726	1900	1819	1146	6591
6.1.5	IPPs Gas	76	66	14	59	215
6.1.6	IPPs Thermal	542	641	724	698	2605
6.1.7	VRE- Wind	1033	1561	493	473	3560
6.1.8	VRE- Solar	816	750	749	926	3240
6.1.9	RE-Others	51	55	57	66	229
6.1.10	Market	2573	943	1332	1336	6184
6.1.11	Other	138	13	13	-2	162
6.1.12	Wind @ interim rate	0	0	0	337	337
6.1.13	Solar @ interim rate	0	0	0	649	649
6.1.14	<b>CTU Cost</b>	<b>303</b>	<b>236</b>	<b>476</b>	<b>216</b>	<b>1231</b>
6.1.15	<b>STU Cost</b>	<b>699</b>	<b>674</b>	<b>683</b>	<b>711</b>	<b>2767</b>
6.1.16	<b>Distribution Cost</b>	<b>2027</b>	<b>2254</b>	<b>2242</b>	<b>2477</b>	<b>9000</b>
6.1.17	O&M Cost	1290	1473	1442	1545	5750
6.1.18	HR Cost	1087	1249	1241	1256	4833
6.1.19	A&G Cost	50	63	42	89	244
6.1.20	R&M Cost	153	162	159	200	674
6.1.21	Depreciation	395	430	430	400	1655
6.1.22	ROCE	76	97	108	356	637
6.1.23	Others	267	254	262	176	958
6.1.24	<b>Cost of Service</b>	<b>13288</b>	<b>11955</b>	<b>12061</b>	<b>11907</b>	<b>49211</b>
7.1.1	Capex Debt service (P+I)	376	394	403	304	1477
7.1.2	Opex Debt service (P+I)	1555	2318	3032	581	7486

### 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>2609</b>	<b>2910</b>	<b>3660</b>	<b>1488</b>	<b>-750</b>	<b>146%</b>	<b>40%</b>
6.2.2	State Thermal	1323	1000	1137	736	-137	54%	-14%
6.2.3	State Hydel	52	52	59	52	-7	13%	13%
6.2.4	CGS	318	525	714	347	-189	106%	125%
6.2.5	IPPs Gas	29	3	2	13	1	-85%	-93%
6.2.6	IPPs Thermal	286	218	270	60	-52	350%	-6%
6.2.7	VRE- Wind	174	136	627	3	-491	20800%	260%
6.2.8	VRE- Solar	229	276	183	1	93	18200%	-20%
6.2.9	RE-Others	29	17	20	9	-3	122%	-30%
6.2.10	Market	170	685	648	267	37	143%	282%
6.2.11	Other	0	-2	0	0	-2	-	-100%
6.2.12	Wind @ interim rate	174	0	0	0	0	-	-100%
6.2.13	Solar @ interim rate	229	0	0	0	0	-	-100%
6.2.14	<b>CTU Cost</b>	<b>68</b>	<b>80</b>	<b>120</b>	<b>86</b>	<b>-40</b>	<b>40%</b>	<b>76%</b>
6.2.15	<b>STU Cost</b>	<b>247</b>	<b>217</b>	<b>143</b>	<b>190</b>	<b>74</b>	<b>-25%</b>	<b>-42%</b>
6.2.16	<b>Distribution Cost</b>	<b>864</b>	<b>749</b>	<b>530</b>	<b>507</b>	<b>219</b>	<b>5%</b>	<b>-39%</b>
6.2.17	O&M Cost	535	475	475	393	0	21%	-11%
6.2.18	HR Cost	429	398	391	325	7	20%	-9%
6.2.19	A&G Cost	33	23	29	19	-6	51%	-12%
6.2.20	R&M Cost	73	54	55	49	-1	13%	-25%
6.2.21	Depreciation	127	146	0	65	0	-100%	-100%
6.2.22	ROCE	162	32	0	0	0	-	-100%
6.2.23	Others	40	97	55	49	42	12%	39%
6.2.24	<b>Cost of Service</b>	<b>3788</b>	<b>3956</b>	<b>4453</b>	<b>2271</b>	<b>-497</b>	<b>96%</b>	<b>18%</b>
7.2.2	Capex Debt service (P+I)	79	147	147	139	0	6%	87%

7.2.1	Opex Debt service (P+I)	0	581	544	143	37	281%	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>25806</b>	<b>30620</b>	<b>34559</b>	<b>26608</b>	<b>7203</b>	<b>2098</b>	<b>30%</b>	<b>34%</b>
6.3.2	State Thermal	1525	12312	10155	13554	12425	-1874	740	9%	10%
6.3.3	State Hydel	77	523	524	583	533	18	113	9%	11%
6.3.4	CGS	1357	3026	5970	7662	6245	-335	40	23%	153%
6.3.5	IPPs Gas	63	270	159	161	286	61	17	-44%	-40%
6.3.6	IPPs Thermal	559	2744	2125	1994	671	690	218	197%	-27%
6.3.7	VRE- Wind	5351	3148	3223	4400	1390	4174	815	217%	40%
6.3.8	VRE- Solar	2053	2623	2590	1014	367	3629	150	176%	-61%
6.3.9	RE-Others	73	231	179	132	147	120	5	-10%	-43%
6.3.10	Market	84	929	5533	5059	4544	558	0	11%	445%
6.3.11	Other	0	0	162	0	0	162	0	-	-100%
6.3.12	Wind @ interim rate	0	3148	0	0	4	0	0	-100%	-100%
6.3.13	Solar @ interim rate	7	2623	0	1	22	6	0	-96%	-100%
6.3.14	<b>CTU Cost</b>	<b>86</b>	<b>680</b>	<b>1095</b>	<b>1375</b>	<b>967</b>	<b>-194</b>	<b>0</b>	<b>42%</b>	<b>102%</b>
6.3.15	<b>STU Cost</b>	<b>1995</b>	<b>2470</b>	<b>2273</b>	<b>2040</b>	<b>1644</b>	<b>2228</b>	<b>93</b>	<b>24%</b>	<b>-17%</b>
6.3.16	<b>Distribution Cost</b>	<b>0</b>	<b>8642</b>	<b>7272</b>	<b>5469</b>	<b>5626</b>	<b>1803</b>	<b>0</b>	<b>-3%</b>	<b>-37%</b>
6.3.17	O&M Cost	0	5352	4680	4932	4480	-252	0	10%	-8%
6.3.18	HR Cost	0	4290	3975	4188	3806	-213	0	10%	-2%
6.3.19	A&G Cost	0	329	178	210	204	-32	0	3%	-36%
6.3.20	R&M Cost	0	733	527	534	470	-7	0	14%	-27%
6.3.21	Depreciation	0	1274	1400	0	659	0	0	-100%	-100%
6.3.22	ROCE	0	1618	313	0	0	0	0	-	-100%
6.3.23	Others	0	397	879	537	488	342	0	10%	35%
6.3.24	<b>Cost of Service</b>	<b>13223</b>	<b>37598</b>	<b>41260</b>	<b>43443</b>	<b>34845</b>	<b>11040</b>	<b>2191</b>	<b>25%</b>	<b>16%</b>
7.3.1	Capex Debt service (P+I)	0	786	1320	1354	1231	-34	0	10%	72%
7.3.2	Opex Debt service (P+I)	0	0	7486	7938	9366	-452	0	-15%	-

## 7. Debt Servicing

### 7.1 Debt Servicing Schedule (Rs Cr)

#	Item	Q1	Q2	Q3	Q4	FY23
7.1.1	ERC allowed-Capex Debt	376	394	403	304	1477
7.1.2	ERC disallowable-Opex Debt	1555	2318	3032	581	7486
7.1.3	<b>Debt Servicing</b>	1931	2712	3435	885	8963

### 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	147	147	139	0	6%	87%
7.2.2	ERC disallowable-Opex Debt	0	581	544	143	37	281%	0%
7.2.3	<b>Debt Servicing</b>	79	728	691	282	37	145%	780%

### 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	786	1320	1354	1231	-34	0	10%	72%
7.3.2	ERC disallowable-Opex Debt	0	0	7486	7938	9366	-452	37	-15%	0%
7.3.3	<b>Debt Servicing</b>	0	786	8806	9292	10597	-486	37	-12%	1083%

### 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	6233	5273	18%	11880	5831	104%	18113	11104	63%
7.4.2	PFC	1018	681	50%	12092	5123	136%	13110	5804	126%
7.4.3	APPFCL	0	0	-	12027	11667	3%	12027	11667	3%
7.4.4	BANKS	1343	1532	-12%	1196	1395	-14%	2540	2927	-13%
7.4.5	IREDA	0	0	-	240	874	-73%	240	874	-73%
7.4.6	ICD	0	0	-	1639	784	109%	1639	784	109%
7.4.7	PTC	0	0	-	54	109	-51%	54	109	-51%
7.4.8	GOAP	9	9	0%	0	0	-	9	9	0%
7.4.9	OTHERS	1116	690	62%	2609	4087	-36%	3726	4776	-22%
7.4.10	<b>Debt Outstanding</b>	<b>9720</b>	<b>8184</b>	<b>19%</b>	<b>41737</b>	<b>29870</b>	<b>40%</b>	<b>51457</b>	<b>38055</b>	<b>35%</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 > 225 units and <=400 units in the month
>400	LT Domestic Consumers with consumption > 400units in the month
LT-1	Domestic (LT)
LT-2	Commercial (LT)- Minor (<50kWh), Major (>50kWh), Advertising Hoardings, Function Halls/ Auditorium, Startup Power, Electric Vehicles/Charging Stations
LT-3	Industrial (LT)- General, Poultry Hatcheries & Feed Mixing Plants, Aqua Hatcheries and Feed Mixing Plants, Seasonal Industries, Cottage Industries (<10HP)
LT-4	Institutional (LT)- Utilities (Street Lighting, NTR Sujala Pathakam, CPWS, PWS), General Purpose, Religious Places
LT-5	Agriculture (LT)- Corporate Farming, Non-Corporate Farming, Salt Farming, Horticulture, Flora Culture, Sugarcane Crushing, Aqua Culture and Animal Husbandry, Agro based Cottage Industries
LT-5 A(ii)	Sales incurred for Free Agriculture
HT	High Tension
HT-1	Domestic (HT)- Townships, Colonies, Gated Communities and Villas
HT-2	Commercial (HT)- Major, Function Halls/ Auditoriums, Startup power, Electric Vehicles/ Charging Stations, Green Power
HT-3	Industrial (HT)- General, Poultry Hatcheries & Feed Mixing Plants, Aqua Hatcheries and Feed Mixing Plants, Industrial Colonies, Seasonal Industries, Energy Intensive Industries

HT-4	Institutional (HT)- Utilities (Street Lighting, NTR Sujala Pathakam, CPWS, PWS), General Purpose, Religious Places, Electric Traction
HT-5	Agriculture (HT)-Aqua Culture and Animal Husbandry, Government/Private Lift irrigation
Rescos	Rural Electric Supply Cooperative Societies
Temporary Supply	There is no separate category for temporary supply. However, Temporary supply can be released against each category with respective terms and conditions applicable and it shall be billed at the rate and other conditions specified in this order.
Categories not defined in either HT-Supply or LT-Supply shall be billed at the rates specified in Category - II (A) (ii) Commercial – Major Purchases and Payables	
State Thermal	State Owned Thermal Plants
State Hydel	State owned Hydro Plants
CGS	Central Generating Stations (Central owned Thermal)
Gas	Power plants run on Gas as Fuel (Govt+ Private)
IPPs	Independent Power Producers (Private Thermal- Coal)
VRE	Variable Renewable Energy
RE-Others	RE other than Wind and Solar
Markets	Power Procured from Exchanges and Open Markets
Others	Power procured from any other means other than markets
FC	Fixed Cost
VC	Variable Cost
Wind @ interim rate	Power Purchase Cost of Wind at Interim Rate
Solar @ interim rate	Power Purchase Cost of Solar at Interim Rate
CTU Cost	B=Expenditure for using Central Transmission Network for Transmission of Power
STU Cost	A=Expenditure for using State Transmission Network for Transmission of Power
Distribution Cost	C=Expenditure incurred to Discoms for wheeling of Energy through its Network (D+H+I+J)
O&M Cost	D=Operation and Maintenance Cost (E+F+G)
HR Cost	E=Human Resource Cost
A&G Cost	F=Admin and General Cost
R&M Cost	G=Repairs and Maintenance
Depreciation	H=the value of a fixed asset minus all of the accumulated depreciation that has been recorded against it
ROCE	I=Return on Capital Employed
Others	J=Expenditure for Discoms other than O&M, Depreciation and ROCE
Cost of Service	Power Purchase Cost + CTU Cost + STU Cost+ Distribution Cost
Capex Debt service (P+I)	Expenditure incurred for Capex Debt (Principal + Interest)
Opex Debt service (P+I)	Expenditure incurred for Opex Debt (Principal +Interest)
Receivables Categories	
Subsidy	Receivable from Government Collected for Subsidy Sales
Agriculture Subsidy	Subsidy given for Agriculture Consumption
Aquaculture Subsidy	Subsidy given for Aquaculture Consumption
SC Colonies Subsidy	Subsidy given for SC Colonies Consumption
ST Thandas Subsidy	Subsidy given for ST Colonies Consumption
Other Subsidy	Subsidy given for any other Consumption
Govt Agencies	Receivable from Government Utilities
Panchayats	Receivable from Panchayats
WR Dept	Water Resources Department
ULB	Urban Local Bodies
Other Govt Dept	Receivables from other Gov Agencies
Govt serviced debt	Debt in books of the Discoms but servicing is being met by releases from Govt due to commitments in Uday or APPFCL loans
UDAY Receivables	Ujjwal DISCOM Assurance Yojana-Financial turnaround and revival package for electricity distribution companies of India initiated by the Government of India
Private Customers Receivables	Receivables Collected from Sales Consumed by Private users

Total	Total receivables
Opex Loans	Receivables as part of Opex Loans
Capex Loans	Receivables as part of Capex Loans
REC	Loans taken from Rural Electrification Corporation Limited
PFC	Loans taken from Power Finance Corporation Ltd.
APPFCL	Loans taken from Andhra Pradesh Power Finance Corporation Limited
BANKS	Loans taken from banks
IREDA	Loans taken from Indian Renewable Energy Development Agency Limited
ICD	Loans taken from Interest on Consumer Deposit
PTC	Loans taken from Power Trading Corporation of India Limited
GOAP	Loans taken from Government of Andhra Pradesh
OTHERS	Loans taken from any other sources

## Glossary

### 1. Sales

Energy (MU)		
1.01	Metered Sales	Discom Sales-Agricultural Consumption (Unmetered)
3.1.12	AgI Consumption	Refer 3.1.12
3.1.22	Discom Sales	<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	$\frac{\text{CTU Cost(Rs Cr)} \times 10}{\text{Discom Purchase(MU)}} \text{ (Rs /kWh)}$
2.27	CTU Cost Per Unit on CGS purchases	$\frac{\text{CTU Cost(Rs Cr)} \times 10}{\text{CGS Purchases by Discom(MU)}} \text{ (Rs /kWh)}$
2.28	Distribution Network Cost per Unit	$\frac{\text{Distribution Network Cost(Rs Cr)} \times 10}{\text{Discom Purchase(MU)}} \text{ (Rs /kWh)}$
2.29	Network Cost per Unit	$\frac{\text{Total Network Cost(Rs Cr)} \times 10}{\text{Discom Purchase(MU)}} \text{ (Rs /kWh)}$
2.30	Retail Supply Cost per Unit	$\frac{\text{Total Supply Cost(Rs Cr)} \times 10}{\text{Discom Purchase(MU)}} \text{ (Rs /kWh)}$
2.31	Cost of Service per Unit	$\frac{\text{Cost of Service(Rs Cr)} \times 10}{\text{Discom Purchase(MU)}} \text{ (Rs /kWh)}$
<b>KPIs on Sales basis</b>		
2.32	Energy Cost on Sales Basis	$\frac{\text{Power Purchase Cost(Rs Cr)} \times 10}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
2.33	STU Cost per Unit	$\frac{\text{STU Cost(Rs Cr)} \times 10}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
2.34	CTU Cost per Unit	$\frac{\text{CTU Cost(Rs Cr)} \times 10}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
2.35	Distribution Network Cost per Unit	$\frac{\text{Distribution Network Cost(Rs Cr)} \times 10}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
2.36	Network Cost per Unit	$\frac{\text{Total Network Cost(Rs Cr)} \times 10}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
2.37	Retail Supply Cost per Unit	$\frac{\text{Total Supply Cost(Rs Cr)} \times 10}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
2.38	ACS	$\frac{\text{Cost of Service(Rs. Cr)} \times 10}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
2.39	ERC Disallowed Debt Service per Unit	$\frac{\text{ERC Disallowed Debt Service(Rs. Cr)} \times 10}{\text{Discom Sales(MU)}} \text{ (Rs /kWh)}$
<b>AT&amp;C Losses</b>		
2.40	Collection $\eta$	$J = (F+G-I)/E * 100$
2.41	Units Realized	$K = D * J / 100$
2.42	Units Unrealized	$L = C - K$
2.43	AT&C Losses	<b>M</b> =Aggregate Technical and Commercial Loss =L/C *100
<b>ARR-ACS GAP</b>		
2.44	GAP	=ARR-ACS

Note:

1. Power Purchase Cost (Rs Cr) is obtained from APPCC

### 3. Sales by Categories

3.1 Energy Sales by Category (MU) – Consumption Recorded during the Month segregated by Consumer Category

3.2 Energy Sales by Voltage (MU) – Consumption Recorded during the Month segregated by Voltage

3.3 Collection by Category (Rs Cr) – Collection Received during the Month segregated by Consumer Category

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