

ESCOMS TOTAL POWER PURCHASE FOR FY24						Annexure-1	
SI no	NAME OF THE GENERATING STATION	Energy considered (MU)	Capacity Charges	Variable Charges		Total Cost	
			Amount in Crores	Amount in Crores	Cost/Unit in Rs	Amount in Crores	Cost/Unit in Rs
A	KPCL THERMAL						
1	RAICHUR THERMAL POWER STATION_RTPS 1-7 (7x210)	4934.88	868.00	2234.02	4.53	3102.02	6.29
2	RAICHUR THERMAL POWER STATION_RTPS 8 (1x250)	963.06	228.00	436.17	4.53	664.17	6.90
3	BELLARY THERMAL POWER STATIONS_BTPTS-1 (1x500)	1200.00	351.00	552.84	4.61	903.84	7.53
4	BELLARY THERMAL POWER STATIONS_BTPTS-2 (1x500)	1494.18	424.00	723.18	4.84	1147.18	7.68
5	BELLARY THERMAL POWER STATIONS_BTPTS-3 (1x700)	3234.79	743.00	1315.59	4.07	2058.59	6.36
6	YTPS	5020.71	2400.00	2103.18	4.19	4503.18	8.97
	TOTAL KPCL THERMAL	16847.62	5014.00	7364.98	4.3715	12378.98	7.3476
B	CGS SOURCES						
1	N.T.P.C-RSTP-I&II (3X200MW+3X500MW)	2923.69	214.33	1250.75	4.28	1465.08	5.01
2	N.T.P.C-RSTP-III (1X500MW)	767.69	65.23	299.71	3.90	364.94	4.75
3	NTPC-Talcher (4X500MW)	2667.39	188.00	492.13	1.85	680.13	2.55
4	Simhadri Unit -1 &2 (2X500MW)	1388.03	187.97	534.11	3.85	722.08	5.20
5	NTPC Tamilnadu Energy Company Ltd (NTECL)_Vallur TPS Stage I &2 &3 (3X500MW)	891.54	188.65	293.49	3.29	482.14	5.41
6	Neyveli Lignite Corporation_NLC TPS-II STAGE I (3X210MW)	798.17	65.61	219.74	2.75	285.35	3.58
7	Neyveli Lignite Corporation_NLC TPS-II STAGE 2 (4X210MW)	1083.21	91.70	298.21	2.75	389.91	3.60
8	Neyveli Lignite Corporation_NLC TPS I EXP (2X210MW)	701.39	70.17	171.70	2.45	241.87	3.45
9	Neyveli Lignite Corporation_NLC TPS2 EXP (2X250MW)	563.77	169.14	148.50	2.63	317.64	5.63

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10	NLC TAMILNADU POWER LIMITED (NTPL) (TUTICORIN) (2X500MW)	721.68	215.67	320.86	4.45	536.53	7.43
11	MAPS (2X220MW)	87.79	0.00	22.77	2.59	22.77	2.59
12	Kaiga Unit 1&2 (2X220MW)	821.84	0.00	286.58	3.49	286.58	3.49
13	Kaiga Unit 3 &4 (2X200MW)	893.52	0.00	311.57	3.49	311.57	3.49
14	NPCIL-Kudankulam Atomic Power Generating Station (KKNPP U1 (1X1000MW)	1466.74	0.00	610.16	4.16	610.16	4.16
15	NPCIL-Kudankulam Atomic Power Generating Station (KKNPP) U2(1X1000MW)	1448.87	0.00	602.73	4.16	602.73	4.16
16	DVC-Unit-1 & 2 Meja TPS (2x500MW)	1354.78	203.84	426.35	3.15	630.19	4.65
17	DVC-Unit-7 & 8-KODERMA TPS (2x500MW)	1693.47	293.93	602.20	3.56	896.13	5.29
18	Kudgi	2051.25	1590.04	1094.75	5.34	2684.79	13.09
19	New NLC thermal Project	433.77	92.04	117.29	2.70	209.33	4.83
	TOTAL CGS Energy @ KPTCL periphery	22758.59	3636.32	8103.61	3.56	11739.93	5.16
C	MAJOR IPPS						
1	UDUPI POWER CORPORATION LIMITED_UPCL (2x600)	1500.00	1091.48	1620.00	10.80	2711.48	18.08
D	KPCL HYDEL STATIONS						
1	SHARAVATHI VALLEY PROJECT_SVP (10x103.5+2x27.5)	5049.99		301.38	0.60	301.38	0.60
2	MAHATMA GANDHI HYDRO ELECTRIC POWER HOUSE_MGHE (4x21.6+4x13.2)	346.50		25.04	0.72	25.04	0.72
3	GERUSOPPA_GPH (SHARAVATHI TAIL RACE_STR) (4x60)	542.52		97.12	1.79	97.12	1.79
4	KALI VALLEY PROJECT_KVP (2x50+5x150+1x135)	3371.94		283.18	0.84	283.18	0.84

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5	VARAHI VALLEY PROJECT_VVP (4x115+2x4.5)	1077.12		189.78	1.76	189.78	1.76
6	ALMATTI DAM POWER HOUSE_ADPH (1x15+5x55)	504.90		116.84	2.31	116.84	2.31
7	BHADRA HYDRO ELECTRIC POWER HOUSE_BHEP ((1x2+2x12)+(1x7.2+1x6))	59.40		29.08	4.90	29.08	4.90
8	KADRA POWER HOUSE_KPH (3x50)	396.00		90.81	2.29	90.81	2.29
9	KODASALLI DAM POWER HOUSE_KDPH (3x40)	396.00		63.85	1.61	63.85	1.61
10	GHATAPRABHA DAM POWER HOUSE_GDPH (2x16)	85.14		21.25	2.50	21.25	2.50
11	SHIVASAMUDRAM (4x4+6x3) & SHIMSHAPURA (2x8.6) HYDRO STATIONS.	279.18		37.33	1.34	37.33	1.34
12	MUNIRABAD POWER HOUSE (2x9+1x10)	95.04		9.21	0.97	9.21	0.97
	TOTAL KPCL HYDRO	12203.73	0.00	1264.87	1.04	1264.87	1.04
E	OTHER HYDRO						
1	PRIYADARSHINI JURALA HYDRO ESLECTRIC STATION (6x39)	162.43		61.40	3.78	61.40	3.78
2	TUNGABHADRA DAM POWER HOUSE_TBPH (4x9+4x9)	44.85		2.10	0.47	2.10	0.47
	TOTAL OTHER HYDRO	207.28		63.50	3.06	63.50	3.06
F	RE SOURCES						
1	WIND-IPPS	6263.80		2463.52	3.93	2463.52	3.93
2	KPCL-WIND (9x0.225+10x0.230)	6.95		2.67	3.84	2.67	3.84
3	MINI HYDEL-IPPS	1494.18		504.15	3.37	504.15	3.37
4	CO-GEN	719.71		465.43	6.47	465.43	6.47
5	CAPTIVE	18.57		5.71	3.07	5.71	3.07
6	Wind MOA	136.53		49.50	3.63	49.50	3.63
7	BIOMASS	146.66		81.50	5.56	81.50	5.56
8	Solar Existing /SRTPV	9428.46		3694.19	3.92	3694.19	3.92

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9	SOLAR-KPCL (YELESANDRA,ITNAL,YA PALDINNI,SHIMSHA) (3x1+3x1+1x3x1x5)	7.43		10.68	14.37	10.68	14.37
	TOTAL RE	18222.29		7277.35	3.99	7277.35	3.99
G	BUNDLED POWER						
1	Bundled power Coal	505.86		299.33	5.92	299.33	5.92
2	Bundled power Solar(OLD)	120.50		126.85	10.53	126.85	10.53
3	Bundled power Solar(NEW)	1380.80		843.25	6.11	843.25	6.11
	Total Bundled Power	2007.16		1269.43	6.32	1269.43	6.32
H	TOTAL TRANSMISSION & LDC CHARGES						
1	KPTCL TRANSMISSION CHARGES		5575.8505			5575.8505	
2	CTUIL CHARGES		2118.411			2118.411	
3	SLDC		27.740			27.740	
4	POSOCO CHARGES		4.340			4.340	
I	TOTAL INCLUDING TRANSMISSION & LDC CHARGES	73746.6760	17468.1410	26963.7395	3.656	44431.880	6.02493