

ESCOMs TOTAL POWER PURCHASE FOR FY23							
Annexure-1 (i)							
Sl 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
<b>A</b>	<b>KPCL THERMAL</b>						
1	RAICHUR THERMAL POWER STATION RTPS 1-7 (7x210)	4551.37	1071.47	1310.79	2.88	2382.26	5.23
2	RAICHUR THERMAL POWER STATION RTPS 8 (1x250)	1057.06	234.43	303.38	2.87	537.81	5.09
3	BELLARY THERMAL POWER STATIONS BTPS-1 (1x500)	1117.55	350.03	326.32	2.92	676.35	6.05
4	BELLARY THERMAL POWER STATIONS BTPS-2 (1x500)	1134.95	447.12	326.87	2.88	773.99	6.82
5	BELLARY THERMAL POWER STATIONS BTPS-3 (1x700)	3775.50	1108.20	1057.14	2.80	2165.34	5.74
6	YTPS	5508.62	2119.09	1608.52	2.92	3727.60	6.77
	TOTAL KPCL THERMAL	17145.05	5330.34	4933.02	2.8772	10263.35	5.9862
<b>B</b>	<b>CGS SOURCES</b>						
1	N.T.P.C-RSTP-I&II (3X200MW+3X500MW)	3169.16	235.53	858.84	2.71	1094.37	3.45
2	N.T.P.C-RSTP-III (1X500MW)	873.01	62.00	232.22	2.66	294.22	3.37
3	NTPC-Talcher (4X500MW)	2646.99	195.40	468.52	1.77	663.92	2.51
4	Simhadri Unit -1 &2 (2X500MW)	1260.63	212.69	373.15	2.96	585.84	4.65
5	NTPC Tamilnadu Energy Company Ltd (NTECL)_Vallur TPS Stage I &2 &3 (3X500MW)	366.33	206.90	119.06	3.25	325.96	8.90
6	Neyveli Lignite Corporation_NLC TPS-II STAGE I (3X210MW)	921.58	71.55	245.14	2.66	316.69	3.44
7	Neyveli Lignite Corporation_NLC TPS-II STAGE 2 (4X210MW)	1248.31	99.04	332.05	2.66	431.09	3.45
8	Neyveli Lignite Corporation_NLC TPS I EXP (2X210MW)	726.99	72.58	175.20	2.41	247.78	3.41
9	Neyveli Lignite Corporation_NLC TPS2 EXP (2X250MW)	591.05	188.89	150.72	2.55	339.61	5.75

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10	NLC TAMILNADU POWER LIMITED (NTPL) (TUTICORIN) (2X500MW)	309.39	232.54	97.46	3.15	330.00	10.67
11	MAPS (2X220MW)	93.19	0.00	23.95	2.57	23.95	2.57
12	Kaiga Unit 1&2 (2X220MW)	809.01	0.00	279.92	3.46	279.92	3.46
13	Kaiga Unit 3 &4 (2X200MW)	855.24	0.00	295.91	3.46	295.91	3.46
14	NPCIL-Kudankulam Atomic Power Generating Station (KKNPP U1 (1X1000MW)	1411.07	0.00	577.13	4.09	577.13	4.09
15	NPCIL-Kudankulam Atomic Power Generating Station (KKNPP) U2(1X1000MW)	1327.61	0.00	542.99	4.09	542.99	4.09
16	DVC-Unit-1 &2 Meja TPS (2x500MW)	407.16	203.84	119.71	2.94	323.55	7.95
17	DVC-Unit-7 & 8-KODERMA TPS (2x500MW)	1431.43	293.93	385.05	2.69	678.98	4.74
18	Kudgi	2276.77	1490.04	808.25	3.55	2298.29	10.09
19	New NLC thermal Project	462.58	93.29	101.31	2.19	194.60	4.21
	TOTAL CGS Energy @ KPTCI periphery	21187.50	3658.22	6186.57	2.92	9844.79	4.65
<b>C</b>	<b>MAJOR IPPS</b>						
1	UDUPI POWER CORPORATION LIMITED_UPCL (2x600)	1870.70	1091.48	800.66	4.28	1892.14	10.11
<b>D</b>	<b>KPCL HYDEL STATIONS</b>						
1	SHARAVATHI VALLEY PROJECT_SVP (10x103.5+2x27.5)	4898.32		303.70	0.62	303.70	0.62
2	MAHATMA GANDHI HYDRO ELECTRIC POWER HOUSE_MGHE (4x21.6+4x13.2)	365.31		55.16	1.51	55.16	1.51
3	GERUSOPPA_GPH (SHARAVATHI TAIL RACE_STR) (4x60)	521.83		102.28	1.96	102.28	1.96
4	KALI VALLEY PROJECT_KVP (2x50+5x150+1x135)	3054.35		290.16	0.95	290.16	0.95
5	VARAHI VALLEY PROJECT_VVP (4x115+2x4.5)	1008.71		182.58	1.81	182.58	1.81
6	ALMATTI DAM POWER HOUSE_ADPH (1x15+5x55)	555.69		119.47	2.15	119.47	2.15

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7	BHADRA HYDRO ELECTRIC POWER HOUSE_BHEP ((1x2+2x12)+(1x7.2+1x6))	49.30		29.09	5.90	29.09	5.90
8	KADRA POWER HOUSE_KPH (3x50)	367.59		96.68	2.63	96.68	2.63
9	KODASALLI DAM POWER HOUSE_KDPH (3x40)	346.20		63.01	1.82	63.01	1.82
10	GHATAPRABHA DAM POWER HOUSE_GDPH (2x16)	66.03		20.60	3.12	20.60	3.12
11	SHIVASAMUDRAM (4x4+6x3) & SHIMSHAPURA (2x8.6) HYDRO STATIONS.	275.32		38.27	1.39	38.27	1.39
12	MUNIRABAD POWER HOUSE (2x9+1x10)	79.89		9.27	1.16	9.27	1.16
	TOTAL KPCL HYDRO	11588.54	0.00	1310.26	1.13	1310.26	1.13
<b>E</b>	<b>OTHER HYDRO</b>						
1	PRIYADARSHINI JURALA HYDRO ESLECTRIC STATION (6x39)	189.30		58.68	3.10	58.68	3.10
2	TUNGABHADRA DAM POWER HOUSE_TBPH (4x9+4x9)	38.17		2.10	0.55	2.10	0.55
	TOTAL OTHER HYDRO	227.47		60.78	2.67	60.78	2.67
<b>F</b>	<b>RE SOURCES</b>						
1	WIND-IPPS	6193.08		2452.46	3.96	2452.46	3.96
2	KPCL-WIND (9x0.225+10x0.230)	7.13		2.79	3.91	2.79	3.91
3	MINI HYDEL-IPPS	1395.66		467.55	3.35	467.55	3.35
4	CO-GEN	592.69		345.54	5.83	345.54	5.83
5	CAPTIVE /wind MOA	204.35		61.71	3.02	61.71	3.02
6	BIOMASS	185.58		100.03	5.39	100.03	5.39
7	Solar Existing /SRTPV	9076.53		3892.34	4.29	3892.34	4.29
8	SOLAR-KPCL (YELESANDRA,ITNAL,YAP ALDINNI,SHIMSHA) (3x1+3x1+1x3x1x5)	7.03		4.22	6.00	4.22	6.00
	TOTAL RE	17662.05	0.00	7326.63		7326.63	4.15
<b>G</b>	<b>BUNDLED POWER</b>						
1	Bundled power Coal	463.27		126.47	2.73	126.47	2.73

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2	Bundled power Solar(OLD)	120.50		126.77	10.52	126.77	10.52
3	Bundled power Solar(NEW)	1380.80		662.78	4.80	662.78	4.80
	Total Bundled Power	1964.57	0.00	916.02	4.66	916.02	4.66
<b>H</b>	<b>TOTAL TRANSMISSION &amp; SLDC CHARGES</b>						
1	KPTCL TRANSMISSION CHARGES		5093.771			5093.771	
2	PGCIL CHARGES		2487.740			2487.740	
3	SLDC		32.984			32.984	
4	POSOCO CHARGES		4.400			4.400	
<b>I</b>	<b>TOTAL INCLUDING TRANSMISSION &amp; SLDC CHARGES</b>	<b>71645.875</b>	<b>17698.93</b>	<b>21533.94</b>	<b>3.0056</b>	<b>39232.871</b>	<b>5.47594</b>