

## ANNEXURE-1

## ESCOMs TOTAL POWER PURCHASE FOR FY21

Sl no	NAME OF THE GENERATING STATION	Energy considered (MU)	Capacity Charges	Variable Charges		Total Cost	
			Amount in Crores	Amount in Crores	Average Cost/Unit in Rs	Amount in Crores	Average Cost/Unit in Rs
<b>A</b>	<b>KPCL THERMAL</b>						
1	RAICHUR THERMAL POWER STATION RTPS 1-7 (7x210)	6998.70	883.59	2428.55	3.47	3312.14	4.73
2	RAICHUR THERMAL POWER STATION RTPS 8 (1x250)	1400.00	214.74	495.60	3.54	710.34	5.07
3	BELLARY THERMAL POWER STATIONS BTPS-1 (1x500)	1216.34	326.11	485.32	3.99	811.43	6.67
4	BELLARY THERMAL POWER STATIONS BTPS-2 (1x500)	1320.18	456.55	480.55	3.64	937.10	7.10
5	BELLARY THERMAL POWER STATIONS BTPS-3 (1x700)	2404.09	754.88	831.82	3.46	1586.70	6.60
6	YTPS	1854.29	1419.21	686.09	3.70	2105.29	11.35
	<b>TOTAL KPCL THERMAL</b>	<b>15193.60</b>	<b>4055.08</b>	<b>5407.92</b>	<b>3.56</b>	<b>9462.99</b>	<b>6.23</b>
<b>B</b>	<b>CGS SOURCES</b>						
1	N.T.P.C-RSTP-I&II (3X200MW+3X500MW)	2215.11	195.42	595.86	2.69	791.28	3.57
2	N.T.P.C-RSTP-III (1X500MW)	596.32	51.55	162.20	2.72	213.75	3.58
3	NTPC-TALCHER (4X500MW)	2261.79	180.02	450.10	1.99	630.12	2.79
4	SIMHADRI UNIT -1 &2 (2X500MW)	1010.40	201.83	359.70	3.56	561.53	5.56
5	NTPC TAMILNADU ENERGY COMPANY LTD (NTECL)_VALLUR TPS STAGE I &2 &3 (3X500MW)	747.61	191.71	298.30	3.99	490.01	6.55
6	NEYVELI LIGNITE CORPORATION_NLC TPS-II STAGE I (3X210MW)	738.01	68.09	210.33	2.85	278.42	3.77
7	NEYVELI LIGNITE CORPORATION_NLC TPS-II STAGE 2 (4X210MW)	1025.57	95.21	292.29	2.85	387.50	3.78
8	NEYVELI LIGNITE CORPORATION_NLC TPS I EXP (2X210MW)	774.32	71.23	201.32	2.60	272.55	3.52
9	NEYVELI LIGNITE CORPORATION_NLC TPS2 EXP (2X250MW)	606.23	188.00	160.65	2.65	348.65	5.75
10	NLC TAMILNADU POWER LIMITED (NTPL) (TUTICORIN) (2X500MW)	1143.39	223.29	351.02	3.07	574.31	5.02

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11	MAPS (2X220MW)	85.86	-	24.64	2.87	24.64	2.87
12	KAIGA UNIT 1&2 (2X220MW)	844.87	-	355.69	4.21	355.69	4.21
13	KAIGA UNIT 3 & 4 (2X200MW)	859.45	-	361.83	4.21	361.83	4.21
14	NPCIL-KUDANKULAM ATOMIC POWER GENERATING STATION (KKNPP U1 (1X1000MW)	1269.74	-	539.64	4.25	539.64	4.25
15	NPCIL-KUDANKULAM ATOMIC POWER GENERATING STATION (KKNPP) U2(1X1000MW)	1498.08	-	636.68	4.25	636.68	4.25
16	DVC-UNIT-1 & 2 MEJA TPS (2X500MW)	1161.80	203.84	349.70	3.01	553.54	4.76
17	DVC-UNIT-7 & 8- KODERMA TPS (2X500MW)	1452.25	293.93	389.20	2.68	683.13	4.70
18	KUDGI	1200.00	966.89	454.80	3.79	1421.69	11.85
19	NEW NLC THERMAL PROJECT	457.30	111.50	103.35	2.26	214.85	4.70
	TOTAL CGS ENERGY @ KPTCL PERIPHERY	19948.10	3042.51	6297.31	3.16	9339.82	4.68
C	<b>MAJOR IPPS</b>						
1	UDUPI POWER CORPORATION LIMITED_UPCL (2x600)	3600.00	1141.20	1306.80	3.63	2448.00	6.80
D	<b>KPCL HYDEL STATIONS</b>						
1	SHARAVATHI VALLEY PROJECT_SVP (10x103.5+2x27.5)	5003.18	-	230.15	0.46	230.15	0.46
2	MAHATMA GANDHI HYDRO ELECTRIC POWER HOUSE_MGHE (4x21.6+4x13.2)	259.79	-	18.45	0.71	18.45	0.71
3	GERUSOPPA_GPH (SHARAVATHI TAIL RACE_STR) (4x60)	525.41	-	93.00	1.77	93.00	1.77
4	KALI VALLEY PROJECT_KVP (2x50+5x150+1x135)	3119.00	-	224.57	0.72	224.57	0.72
5	VARAHI VALLEY PROJECT_VVP (4x115+2x4.5)	1008.51	-	141.19	1.40	141.19	1.40
6	ALMATTI DAM POWER HOUSE_ADPH (1x15+5x55)	434.56	-	70.40	1.62	70.40	1.62

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7	BHADRA HYDRO ELECTRIC POWER HOUSE_BHEP ((1x2+2x12)+(1x7.2+1x6))	47.86	-	26.13	5.46	26.13	5.46
8	KADRA POWER HOUSE_KPH (3x50)	370.69	-	91.19	2.46	91.19	2.46
9	KODASALLI DAM POWER HOUSE_KDPH (3x40)	347.07	-	61.43	1.77	61.43	1.77
10	GHATAPRABHA DAM POWER HOUSE_GDPH (2x16)	68.06	-	14.02	2.06	14.02	2.06
11	SHIVASAMUDRAM (4x4+6x3) & SHIMSHAPURA (2x8.6) HYDRO STATIONS.	291.47	-	11.95	0.41	11.95	0.41
12	MUNIRABAD POWER HOUSE (2x9+1x10)	91.44	-	10.24	1.12	10.24	1.12
	<b>TOTAL KPCL HYDRO</b>	<b>11567.04</b>	<b>-</b>	<b>992.71</b>	<b>0.86</b>	<b>992.71</b>	<b>0.86</b>
D	<b>OTHER HYDRO</b>						
1	PRIYADARSHINI JURALA HYDRO ESLECTRIC STATION (6x39)	156.55	-	58.66	3.75	58.66	3.75
2	TUNGABHADRA DAM POWER HOUSE_TBPH (4x9+4x9)	27.05	-	3.04	1.12	3.04	1.12
	<b>TOTAL OTHER HYDRO</b>	<b>183.60</b>	<b>-</b>	<b>61.70</b>	<b>3.36</b>	<b>61.70</b>	<b>3.36</b>
	<b>RE SOURCES</b>						
1	WIND-IPPS	7136.51	-	2776.10	3.89	2776.10	3.89
2	KPCL-WIND (9x0.225+10x0.230)	10.08	-	4.04	4.01	4.04	4.01
3	MINI HYDEL-IPPS	1228.73	-	409.17	3.33	409.17	3.33
4	CO-GEN	560.92	-	213.71	3.81	213.71	3.81
5	CAPPTIVE	290.66	-	115.68	3.98	115.68	3.98
6	BIOMASS	109.30	-	59.02	5.40	59.02	5.40
7	Solar Exisitng	5288.59	-	2180.72	4.12	2180.72	4.12
8	SRTPV	147.06	-	91.77	6.24	91.77	6.24
9	Solar taluka Projects	846.56	-	263.28	3.11	263.28	3.11
10	Solar-New Park Pavagada	1846.27	-	522.49	2.83	522.49	2.83
11	Wind MOA	154.87	-	59.47	3.84	59.47	3.84

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12	SOLAR-KPCL (YELESANDRA,ITNAL,YAP ALDINNI,SHIMSHA) (3X1+3X1+1X3X1X5)	8.82	-	5.29	6.00	5.29	6.00
	<b>TOTAL RE</b>	17628.37	-	6700.75	-	6700.75	
1	BUNDLED POWER COAL(OLD)	309.73	-	125.13	4.04	125.13	4.04
2	BUNDLED POWER COAL(NEW)	2018.94	-	607.70	3.01	607.70	3.01
3	BUNDLED POWER SOLAR(OLD)	120.50	-	126.77	10.52	126.77	10.52
4	BUNDLED POWER SOLAR(NEW)	1249.40	-	599.71	4.80	599.71	4.80
	<b>TOTAL BUNDLED POWER</b>	3698.57	-	1459.31	-	1459.31	-
1	MEDIUM TERM (CO GEN)	1285.06	-	669.52	5.21	669.52	5.21
<b>E</b>	<b>TOTAL TRANSMISSION &amp; LDC CHARGES</b>						
1	KPTCL TRANSMISSION CHARGES	-	4292.87	-	-	4292.87	-
2	PGCIL CHARGES	-	1771.89	-	-	1771.89	-
3	SLDC	-	25.43	-	-	25.43	-
4	POSOOCO CHARGES	-	2.48	-	-	2.48	-
<b>F</b>	<b>TOTAL INCLUDING TRANSMISSION &amp; LDC CHARGES</b>	<b>73104.341</b>	<b>14331.46</b>	<b>22896.01</b>	<b>3.132</b>	<b>37227.47</b>	<b>5.092</b>