

GESCOM'S APPROVED POWER PURCHASE FOR FY20

NAME OF THE GENERATING STATION	% share of energy allowed	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.
RAICHUR THERMAL POWER STATION_RTPTS 1-7 (7x210)	8.3798	667.92	66.12	252.47	3.78	318.59	4.77
RAICHUR THERMAL POWER STATION_RTPTS 8 (1x250)	8.0000	114.16	18.17	40.87	3.58	59.04	5.17
BELLARY THERMAL POWER STATIONS_BTPTS-1 (1x500)	8.0000	114.40	23.21	44.04	3.85	67.26	5.88
BELLARY THERMAL POWER STATIONS_BTPTS-2 (1x500)	8.0000	104.00	36.73	38.90	3.74	75.62	7.27
BELLARY THERMAL POWER STATIONS_BTPTS-3 (1x700)	8.0000	112.00	49.06	38.53	3.44	87.59	7.82
YTPS	8.0000	125.73	58.91	39.10	3.11	98.01	7.80
TOTAL KPCL THERMAL		1238.21	252.20	453.91		706.11	5.70
CGS SOURCES							
N.T.P.C-RSTP-I&II (3X200MW+3X500MW)	12.0359	312.93	22.30	77.29	2.47	99.60	3.18
N.T.P.C-RSTP-III (1X500MW)	12.0359	93.76	5.89	22.71	2.42	28.59	3.05
NTPC-Talcher (4X500MW)	12.0359	280.56	20.47	46.63	1.66	67.10	2.39
Simhadri Unit -1 &2 (2X500MW)	12.0359	121.68	19.12	34.58	2.84	53.70	4.41
NTPC Tamilnadu Energy Company Ltd (NTECL)_Vallur TPS Stage I &2 &3 (3X500MW)	12.0359	88.82	19.36	27.61	3.11	46.97	5.29
Neyveli Lignite Corporation_NLC TPS-II STAGE I (3X210MW)	12.0359	98.60	7.26	25.46	2.58	32.72	3.32
Neyveli Lignite Corporation_NLC TPS-II STAGE 2 (4X210MW)	12.0359	129.17	9.83	33.35	2.58	43.18	3.34
Neyveli Lignite Corporation_NLC TPS I EXP (2X210MW)	12.0359	83.77	8.86	20.27	2.42	29.14	3.48
Neyveli Lignite Corporation_NLC TPS2 EXP (2X250MW)	12.0359	70.05	16.95	16.95	2.42	33.90	4.84
NLC TAMILNADU POWER LIMITED (NTPL) (TUTICORIN) (2X500MW)	12.0359	136.40	22.60	32.64	2.39	55.24	4.05
MAPS (2X220MW)	12.0359	24.27	-	5.46	2.25	5.46	2.25
Kaiga Unit 1&2 (2X220MW)	12.0359	103.15	-	38.68	3.75	38.68	3.75
Kaiga Unit 3 &4 (2X200MW)	12.0359	108.32	-	40.62	3.75	40.62	3.75
NPCIL-Kudankulam Atomic Power Generating Station (KKNPP) U1 (1X1000MW)	12.0359	114.03	-	47.89	4.20	47.89	4.20
NPCIL-Kudankulam Atomic Power Generating Station (KKNPP) U2(1X1000MW)	12.0359	150.62	-	63.26	4.20	63.26	4.20
DVC-Unit-1 &2 Meja TPS (2x500MW)	12.0359	142.88	25.81	34.29	2.40	60.10	4.21
DVC-Unit-7 & 8-KODERMA TPS (2x500MW)	12.0359	174.09	37.54	33.95	1.95	71.49	4.11
Kudgi	12.0359	362.76	92.80	109.55	3.02	202.35	5.58

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New NLC thermal Project	12.0359	-	-	-	-	-	-
TOTAL CGS Energy @ KPTCI periphery	-	2595.87	308.80	711.20		1020.00	3.93
TOTAL MAJOR IPPS	-						
UDUPI POWER CORPORATION LIMITED_UPCL (2x600)	10.0000	435.23	114.10	154.07	3.54	268.17	6.16
KPCL HYDEL STATIONS	-						
SHARAVATHI VALLEY PROJECT_SVP (10x103.5+2x27.5)	15.7778	655.90	-	33.45	0.51	33.45	0.51
MAHATMA GANDHI HYDRO ELECTRIC POWER HOUSE_MGHE (4x21.6+4x13.2)	15.0000	31.70	-	4.63	1.46	4.63	1.46
GERUSOPPA_GPH (SHARAVATHI TAIL RACE_STR) (4x60)	15.0000	76.96	-	14.08	1.83	14.08	1.83
KALI VALLEY PROJECT_KVP (2x50+5x150+1x135)	15.0000	430.24	-	33.99	0.79	33.99	0.79
VARAHI VALLEY PROJECT_VVP (4x115+2x4.5)	15.0000	161.88	-	16.19	1.00	16.19	1.00
ALMATTI DAM POWER HOUSE_ADPH (1x15+5x55)	15.0000	66.36	-	12.34	1.86	12.34	1.86
BHADRA HYDRO ELECTRIC POWER HOUSE_BHEP ((1x2+2x12)+(1x7.2+1x6))	15.0000	7.20	-	3.78	5.25	3.78	5.25
KADRA POWER HOUSE_KPH (3x50)	15.0000	54.81	-	13.26	2.42	13.26	2.42
KODASALLI DAM POWER HOUSE_KDPH (3x40)	15.0000	52.26	-	8.57	1.64	8.57	1.64
GHATAPRABHA DAM POWER HOUSE_GDPH (2x16)	15.0000	10.85	-	2.98	2.75	2.98	2.75
SHIVASAMUDRAM (4x4+6x3) & SHIMSHAPURA (2x8.6) HYDRO STATIONS.	15.0000	36.41	-	4.77	1.31	4.77	1.31
MUNIRABAD POWER HOUSE (2x9+1x10)	15.0000	13.72	-	1.47	1.07	1.47	1.07
Total KPCL Hydro	15.0000	1598.29		149.52	0.94	149.52	0.94
OTHER HYDRO							
PRIYADARSHINI JURALA HYDRO ESLECTRIC STATION (6x39)	12.0359	10.92	-	7.06	6.47	7.06	6.47
TUNGABHADRA DAM POWER HOUSE_TBPH (4x9+4x9)	12.0359	2.16	-	0.19	0.90	0.19	0.90
TOTAL OTHER HYDRO		13.08	-	7.26	0.00	7.26	5.55
NON-CONVENTIONAL ENERGY SOURCES							
WIND-IPPS	-	1476.75	-	525.72	3.56	525.72	3.56
KPCL-WIND (9x0.225+10x0.230)	-	0.00	-	0.00	3.58	0.00	3.58
MINI HYDEL-IPPS	-	110.09	-	34.90	3.17	34.90	3.17

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CO-GEN	-	74.54	-	38.46	5.16	38.46	5.16
CAPPTIVE	-	0.79	-	0.24	3.08	0.24	3.08
BIOMASS	-	11.20	-	5.88	5.25	5.88	5.25
Solar Existing	-		-				
SOLAR-existing	-	495.7730	-	271.19	5.47	271.19	5.47
Solar SECI	-	133.15	-	59.92	4.50	59.92	4.50
NTPC solar Bundle power NSM(Pavagada)	15.1200	151.20	-	71.82	4.75	71.82	4.75
Solar New Projects	-		-	0.00	0.00	0.00	0.00
Solar-New Park Pavagada	-	166.14	-	48.01	2.89	48.01	2.89
Solar-KREDL(New and others)	-		-	0.00	3.15	0.00	3.15
SOLAR-KPCL (YELESANDRA,ITNAL,YAPALDINNI, SHIMSHA) (3x1+3x1+1x3x1x5)	-	2.43	-	0.87	3.58	0.87	3.58
TOTAL Non-Conventional Energy (NCE)	-	2622.06	-	1057.02	0.00	1057.02	4.03
NTPC Bundled power solar Old	14.8465	17.89	-	18.84	10.53	18.84	10.53
NTPC Bundled power coal Old	14.8608	74.94	-	30.28	4.04	30.28	4.04
NTPC Bundled power coal new(Pavagada)	15.1200	305.70	-	90.49	2.96	90.49	2.96
Power purchase from Co gen	14.1136	175.85	-	82.47	4.69	82.47	4.69
Short term power purchase	-	0.00	-	0.00	0.00	0.00	0.00
TRANSMISSION CHARGES	-		-	0.00	0.00	0.00	0.00
PGCIL CHARGES	-	-	250.25	-	-	250.25	-
KPTCL CHARGES	-	-	420.98	-	-	420.98	-
SLDC	-	-	2.22	-	-	2.22	-
POSO CO CHARGES	-	-	0.35	-	-	0.35	-
TOTAL INCLUDING TRANSMISSION & LDC CHARGES		9077.0893	1348.90	2755.05	3.0352	4103.95	4.5212