

GESCOM's Approved Power Purchase For FY18

NAME OF THE GENERATING STATION	% SHARE OF ENERGY ALLOWED	ENERGY ALLOWED (MU)	CAPACITY CHARGES (Rs Cr)	ENERGY CHARGES PER UNIT RATE (RS/Kwh)	ENERGY CHARGES (Rs Cr)	TOTAL COST (Rs Cr)	PER UNIT RATE (RS/Kwh)
KPCL THERMAL STATIONS							
RAICHUR THERMAL POWER STATION RTPS 1-7 (7x210)	5.243	411.61	41.57	3.34	137.48	179.01	4.35
RAICHUR THERMAL POWER STATION RTPS 8 (1x250)	13.508	171.42	30.68	2.88	49.37	80.05	4.67
BELLARY THERMAL POWER STATIONS BTPS-1 (1x500)	13.508	339.86	37.05	3.52	119.63	156.73	4.61
BELLARY THERMAL POWER STATIONS BTPS-2 (1x500)	13.508	339.86	63.55	3.06	104.00	167.55	4.93
BELLARY THERMAL POWER STATIONS BTPS-3 (1x700)	13.508	129.68	0.00	2.87	37.22	37.22	2.87
YTPS (1x 800)	13.508	129.68	0.00	2.92	37.87	37.87	2.92
TOTAL KPCL THERMAL		1522.10	172.86	3.19	485.56	658.43	4.33
CGS SOURCES							
N.T.P.C-RSTP-I&II (3X200MW+3X500MW)	13.508	434.15	26.86	2.29	99.37	126.23	2.91
N.T.P.C-RSTP-III (1X500MW)	13.508	106.98	10.26	2.40	25.68	35.93	3.36
NTPC-Talcher (4X500MW)	13.508	384.30	30.51	1.68	64.59	95.09	2.47
Simhadri Unit -1 & 2 (2X500MW)	13.508	133.42	22.03	2.77	37.01	59.05	4.43
NTPC Tamilnadu Energy Company Ltd (NTECL)_Vallur TPS Stage I & 2 & 3 (3X500MW)	13.508	94.85	16.92	2.64	25.04	41.96	4.42
Neyveli Lignite Corporation_NLC TPS-II STAGE I (3X210MW)	13.508	95.92	11.18	2.82	27.05	38.22	3.99
Neyveli Lignite Corporation_NLC TPS-II STAGE 2 (4X210MW)	13.508	152.10	18.35	2.82	42.89	61.24	4.03
Neyveli Lignite Corporation_NLC TPS I EXP (2X210MW)	13.508	94.29	13.36	2.61	24.59	37.96	4.03
Neyveli Lignite Corporation_NLC TPS2 EXP (2X250MW)	13.508	70.37	15.04	2.55	17.92	32.96	4.68
NLC TAMILNADU POWER LIMITED (NTPL) (TUTICORIN) (2X500MW)	13.508	155.76	29.18	2.50	38.94	68.12	4.37
MAPS (2X220MW)	13.508	26.88		2.15	5.78	5.78	2.15
Kaiga Unit 1&2 (2X220MW)	13.508	124.27		3.19	39.59	39.59	3.19
Kaiga Unit 3 & 4 (2X220MW)	13.508	123.19		3.19	39.25	39.25	3.19
NPCIL-Kudankulam Atomic Power Generating Station (KKNPP U1 (1X1000MW)	13.508	204.11		4.12	84.18	84.18	4.12
NPCIL-Kudankulam Atomic Power Generating Station (KKNPP) U2(1X1000MW)	13.508	46.71		4.12	19.26	19.26	4.12

Annexure - II

NAME OF THE GENERATING STATION	% SHARE OF ENERGY ALLOWED	ENERGY ALLOWED (MU)	CAPACITY CHARGES (Rs Cr)	ENERGY CHARGES PER UNIT RATE (RS/Kwh)	ENERGY CHARGES (Rs Cr)	TOTAL COST (Rs Cr)	PER UNIT RATE (RS/Kwh)
DVC-Unit-1 & 2 Meja TPS (2x500MW)	13.508	189.45	28.13	2.38	45.06	73.19	3.86
DVC-Unit-7 & 8-KODERMA TPS (2x500MW)	13.508	236.87	43.47	2.19	51.80	95.27	4.02
Kudgi	13.508	101.32	0.00	3.02	30.60	30.60	3.02
TOTAL CGS Energy @ KPTCI periphery		2774.94	265.28	2.59	718.60	983.88	3.55
TOTAL MAJOR IPSS							
UDUPI POWER CORPORATION LIMITED_UPCL (2x600)	9.029	606.05	103.03	3.20	193.94	296.96	4.90
KPCL HYDEL STATIONS							
SHARAVATHI VALLEY PROJECT_SVP (10x103.5+2x27.5)	39.343	1933.37	8.37	0.35	68.22	76.59	0.40
MAHATMA GANDHI HYDRO ELECTRIC POWER HOUSE_MGHE (4x21.6+4x13.2)	13.508	37.77	0.31	0.45	1.70	2.02	0.53
GERUSOPPA_GPH (SHARAVATHI TAIL RACE_STR) (4x60)	13.508	70.46	3.30	1.11	7.83	11.13	1.58
KALI VALLEY PROJECT_KVP (2x50+6x150)	13.733	435.73	2.93	0.55	23.94	26.87	0.62
VARAHI VALLEY PROJECT_VVP (4x115+2x4.5)	13.508	144.36	5.49	1.18	16.97	22.46	1.56
ALMATTI DAM POWER HOUSE_ADPH (1x15+5x55)	13.508	65.06	4.26	0.97	6.31	10.57	1.62
BHADRA HYDRO ELECTRIC POWER HOUSE_BHEP ((1x2+2x12)+(1x7.2+1x6))	13.508	8.19	0.20	3.36	2.75	2.96	3.61
KADRA POWER HOUSE_KPH (3x50)	13.508	49.01	2.62	1.46	7.18	9.79	2.00
KODASALLI DAM POWER HOUSE_KDPH (3x40)	13.508	45.95	1.62	1.14	5.25	6.87	1.50
GHATAPRABHA DAM POWER HOUSE_GDPH (2x16)	13.508	11.18	0.29	1.68	1.88	2.17	1.95
SHIVASAMUDRAM (4x4+6x3) & SHIMSHAPURA (2x8.6) HYDRO STATIONS.	13.508	39.48	0.48	0.80	3.18	3.66	0.93
MUNIRABAD POWER HOUSE (2x9+1x10)	13.508	12.35	0.06	0.58	0.72	0.78	0.63
TOTAL KPCL HYDRO		2852.90	29.93	0.51	145.93	175.86	0.62
OTHER HYDRO							
PRIYADARSHINI JURALA HYDRO ESLECTRIC STATION (6x39)	13.508	14.86		4.35	6.46	6.46	4.35
TUNGABHADRA DAM POWER HOUSE_TBPH (4x9+4x9)	13.508	1.27		1.83	0.23	0.23	1.83
TOTAL OTHER HYDRO	13.508	16.12		4.15	6.69	6.69	4.15
RENEWABLE ENERGY SOURCES							
WIND-IPSS		203.57			73.83	73.83	3.63

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KPCL-WIND (9x0.225+10x0.230)		0.00			0.00	0.00	3.71
MINI HYDEL-IPPS		33.15			10.89	10.89	3.29
CO-GEN		6.52			3.03	3.03	4.64
CAPTIVE		10.73			3.05	3.05	2.84
BIOMASS		75.92			37.57	37.57	4.95
SOLAR-existing (anticipated as on 31.03.2017)		242.95			161.12	161.12	6.63
Solar-New Park	13.686	73.35			25.67	25.67	3.50
Solar-KREDL		43.98			23.12	23.12	5.26
SOLAR-KPCL (YELESANDRA,ITNAL,YAPALDINNI, SHIMSHA) (3x1+3x1+1x3x1x5)		2.71			1.63	1.63	6.00
TOTAL RE		692.88			339.91	339.91	
NTPC Bundled power	5.701	33.19			14.73	14.73	4.44
Power purchase from Co gen	13.683	177.88			61.72	61.72	3.47
Short term power purchase	12.500	140.00			58.38	58.38	4.17
Short term Purchase from MSEDCL	13.683	40.227			14.56	14.56	3.62
TRANSMISSION CHARGES							
PGCIL CHARGES			153.42			153.42	
KPTCL CHARGES			352.75			352.75	
SLDC			2.97			2.97	
POSOCO CHARGES			0.48			0.48	
TOTAL INCLUDING TRANSMISSION & SLDC CHARGES		8856.29	1080.73		2040.02	3120.75	3.52