

BESCOM'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)	67.500	5299.21	535.22	3.34	1769.94	2305.16	4.35
RAICHUR THERMAL POWER STATION RTPS 8 (1x250)	47.210	599.09	107.24	2.88	172.54	279.78	4.67
BELLARY THERMAL POWER STATIONS BTPS-1 (1x500)	47.210	1187.80	129.53	3.52	418.11	547.63	4.61
BELLARY THERMAL POWER STATIONS BTPS-2 (1x500)	47.210	1187.80	222.12	3.06	363.47	585.59	4.93
BELLARY THERMAL POWER STATIONS BTPS-3 (1x700)	47.210	453.22	0.00	2.87	130.07	130.07	2.87
YTPS (1x 800)	47.210	453.22	0.00	2.92	132.34	132.34	2.92
TOTAL KPCL THERMAL		9180.34	994.10	3.25	2986.46	3980.56	4.33
CGS SOURCES							
N.T.P.C-RSTP-I&II (3X200MW+3X500MW)	47.210	1517.33	93.87	2.29	347.30	441.17	2.91
N.T.P.C-RSTP-III (1X500MW)	47.210	373.90	35.85	2.40	89.74	125.59	3.36
NTPC-Talcher (4X500MW)	47.210	1343.12	106.63	1.68	225.72	332.35	2.47
Simhadri Unit -1 & 2 (2X500MW)	47.210	466.28	77.01	2.77	129.36	206.36	4.43
NTPC Tamilnadu Energy Company Ltd (NTECL)_Vallur TPS Stage I & 2 & 3 (3X500MW)	47.210	331.51	59.13	2.64	87.50	146.63	4.42
Neyveli Lignite Corporation_NLC TPS-II STAGE I (3X210MW)	47.210	335.23	39.06	2.82	94.53	133.59	3.99
Neyveli Lignite Corporation_NLC TPS-II STAGE 2 (4X210MW)	47.210	531.58	64.13	2.82	149.91	214.03	4.03
Neyveli Lignite Corporation_NLC TPS I EXP (2X210MW)	47.210	329.53	46.70	2.61	85.96	132.66	4.03
Neyveli Lignite Corporation_NLC TPS2 EXP (2X250MW)	47.210	245.95	52.56	2.55	62.64	115.19	4.68
NLC TAMILNADU POWER LIMITED (NTPL) (TUTICORIN) (2X500MW)	47.210	544.38	101.99	2.50	136.10	238.08	4.37
MAPS (2X220MW)	47.210	93.95		2.15	20.21	20.21	2.15
Kaiga Unit 1 & 2 (2X220MW)	47.210	434.33		3.19	138.37	138.37	3.19
Kaiga Unit 3 & 4 (2X220MW)	47.210	430.56		3.19	137.17	137.17	3.19
NPCIL-Kudankulam Atomic Power Generating Station (KKNPP U1 (1X1000MW)	47.210	713.34		4.12	294.19	294.19	4.12
NPCIL-Kudankulam Atomic Power Generating Station (KKNPP) U2(1X1000MW)	47.210	163.24		4.12	67.32	67.32	4.12
DVC-Unit-1 & 2 Meja TPS (2x500MW)	47.210	662.11	98.30	2.38	157.49	255.79	3.86

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DVC-Unit-7 & 8-KODERMA TPS (2x500MW)	47.210	827.86	151.93	2.19	181.04	332.97	4.02
Kudgi	47.210	354.10	0.00	3.02	106.94	106.94	3.02
TOTAL CGS Energy @ KPTCI periphery		9698.31	927.15	2.59	2511.48	3438.63	3.55
TOTAL MAJOR IPPS							
UDUPI POWER CORPORATION LIMITED_UPCL (2x600)	57.446	3855.76	655.48	3.20	1233.84	1889.32	4.90
KPCL HYDEL STATIONS							
SHARAVATHI VALLEY PROJECT_SVP (10x103.5+2x27.5)	6.391	314.04	1.36	0.35	11.08	12.44	0.40
MAHATMA GANDHI HYDRO ELECTRIC POWER HOUSE_MGHE (4x21.6+4x13.2)	47.210	131.99	1.10	0.45	5.95	7.04	0.53
GERUSOPPA_GPH (SHARAVATHI TAIL RACE_STR) (4x60)	47.210	246.24	11.53	1.11	27.35	38.89	1.58
KALI VALLEY PROJECT_KVP (2x50+6x150)	26.110	828.40	5.58	0.55	45.51	51.09	0.62
VARAHI VALLEY PROJECT_VVP (4x115+2x4.5)	47.210	504.55	19.19	1.18	59.32	78.51	1.56
ALMATTI DAM POWER HOUSE_ADPH (1x15+5x55)	47.210	227.38	14.87	0.97	22.06	36.93	1.62
BHADRA HYDRO ELECTRIC POWER HOUSE_BHEP ((1x2+2x12)+(1x7.2+1x6))	47.210	28.63	0.71	3.36	9.63	10.33	3.61
KADRA POWER HOUSE_KPH (3x50)	47.210	171.28	9.15	1.46	25.08	34.23	2.00
KODASALLI DAM POWER HOUSE_KDPH (3x40)	47.210	160.60	5.67	1.14	18.35	24.02	1.50
GHATAPRABHA DAM POWER HOUSE_GDPH (2x16)	47.210	39.07	1.03	1.68	6.57	7.60	1.95
SHIVASAMUDRAM (4x4+6x3) & SHIMSHAPURA (2x8.6) HYDRO STATIONS.	47.210	137.97	1.67	0.80	11.10	12.78	0.93
MUNIRABAD POWER HOUSE (2x9+1x10)	47.210	43.18	0.20	0.58	2.51	2.71	0.63
TOTAL KPCL HYDRO		2833.31	72.05	0.86	244.52	316.57	1.12
OTHER HYDRO							
PRIYADARSHINI JURALA HYDRO ESLECTRIC STATION (6x39)	47.210	51.93		4.35	22.58	22.58	4.35
TUNGABHADRA DAM POWER HOUSE_TBPH (4x9+4x9)	47.210	4.42		1.83	0.81	0.81	1.83
TOTAL OTHER HYDRO	47.210	56.35		4.15	23.39	23.39	4.15
RENEWABLE ENERGY SOURCES							
WIND-IPPS		2216.70			804.00	804.00	3.63
KPCL-WIND (9x0.225+10x0.230)		7.80			2.89	2.89	3.71
MINI HYDEL-IPPS		454.46			149.34	149.34	3.29
CO-GEN		0.00			0.00	0.00	4.64

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CAPTIVE		0.00			0.00	0.00	2.84
BIOMASS		39.36			19.48	19.48	4.95
SOLAR-existing (anticipated as on 31.03.2017)		362.18			240.20	240.20	6.63
Solar-New Park	47.787	256.12			89.64	89.64	3.50
Solar-KREDL		288.51			151.64	151.64	5.26
SOLAR-KPCL (YELESANDRA,ITNAL,YAPALDINNI,S HIMSHA) (3x1+3x1+1x3x1x5)		4.07			2.44	2.44	6.00
TOTAL RE		3629.20			1459.62	1459.62	
NTPC Bundled power	52.332	304.68			135.26	135.26	4.44
Power purchase from Co gen	47.788	621.24			215.57	215.57	3.47
Short term power purchase	50.000	560.00			233.52	233.52	4.17
Short term Purchase from MSEDCL	47.788	140.497			50.86	50.86	3.62
TRANSMISSION CHARGES							
PGCIL CHARGES			520.23			520.23	
KPTCL CHARGES			1347.80			1347.80	
SLDC			11.33			11.33	
POSOCO CHARGES			1.66			1.66	
TOTAL INCLUDING TRANSMISSION & SLDC CHARGES		30879.69	4529.80		9094.51	13624.31	4.41