

## MESCOM'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)
<b>KPCL THERMAL STATIONS</b>							
RAICHUR THERMAL POWER STATION RTPS 1-7 (7x210)	5.000	392.53	39.65	3.34	131.11	170.75	4.35
RAICHUR THERMAL POWER STATION RTPS 8 (1x250)	8.393	106.51	19.06	2.88	30.67	49.74	4.67
BELLARY THERMAL POWER STATIONS BTPS-1 (1x500)	8.393	211.17	23.03	3.52	74.33	97.36	4.61
BELLARY THERMAL POWER STATIONS BTPS-2 (1x500)	8.393	211.17	39.49	3.06	64.62	104.11	4.93
BELLARY THERMAL POWER STATIONS BTPS-3 (1x700)	8.393	80.57	0.00	2.87	23.12	23.12	2.87
YTPS (1x 800)	8.393	80.57	0.00	2.92	23.53	23.53	2.92
<b>TOTAL KPCL THERMAL</b>		<b>1082.52</b>	<b>121.23</b>	<b>3.21</b>	<b>347.38</b>	<b>468.61</b>	<b>4.33</b>
<b>CGS SOURCES</b>							
N.T.P.C-RSTP-I&II (3X200MW+3X500MW)	8.393	269.75	16.69	2.29	61.74	78.43	2.91
N.T.P.C-RSTP-III (1X500MW)	8.393	66.47	6.37	2.40	15.95	22.33	3.36
NTPC-Talcher (4X500MW)	8.393	238.78	18.96	1.68	40.13	59.09	2.47
Simhadri Unit -1 & 2 (2X500MW)	8.393	82.90	13.69	2.77	23.00	36.69	4.43
NTPC Tamilnadu Energy Company Ltd (NTECL)_Vallur TPS Stage I & 2 & 3 (3X500MW)	8.393	58.94	10.51	2.64	15.56	26.07	4.42
Neyveli Lignite Corporation_NLC TPS-II STAGE I (3X210MW)	8.393	59.60	6.94	2.82	16.81	23.75	3.99
Neyveli Lignite Corporation_NLC TPS-II STAGE 2 (4X210MW)	8.393	94.51	11.40	2.82	26.65	38.05	4.03
Neyveli Lignite Corporation_NLC TPS I EXP (2X210MW)	8.393	58.58	8.30	2.61	15.28	23.58	4.03
Neyveli Lignite Corporation_NLC TPS2 EXP (2X250MW)	8.393	43.73	9.34	2.55	11.14	20.48	4.68
NLC TAMILNADU POWER LIMITED (NTPL) (TUTICORIN) (2X500MW)	8.393	96.78	18.13	2.50	24.20	42.33	4.37
MAPS (2X220MW)	8.393	16.70		2.15	3.59	3.59	2.15
Kaiga Unit 1&2 (2X220MW)	8.393	77.22		3.19	24.60	24.60	3.19
Kaiga Unit 3 & 4 (2X220MW)	8.393	76.54		3.19	24.39	24.39	3.19

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NPCIL-KudanKulam Atomic Power Generating Station (KKNPP U1 (1X1000MW)	8.393	126.82		4.12	52.30	52.30	4.12
NPCIL-KudanKulam Atomic Power Generating Station (KKNPP) U2(1X1000MW)	8.393	29.02		4.12	11.97	11.97	4.12
DVC-Unit-1 & 2 Meja TPS (2x500MW)	8.393	117.71	17.48	2.38	28.00	45.47	3.86
DVC-Unit-7 & 8-KODERMA TPS (2x500MW)	8.393	147.18	27.01	2.19	32.19	59.20	4.02
Kudgi	8.393	62.95	0.00	3.02	19.01	19.01	3.02
TOTAL CGS Energy @ KPTCI periphery		<b>1724.17</b>	<b>164.83</b>	<b>2.59</b>	<b>446.49</b>	<b>611.32</b>	<b>3.55</b>
<b>TOTAL MAJOR IPPS</b>							
UDUPI POWER CORPORATION LIMITED_UPCL (2x600)	<b>3.058</b>	<b>205.28</b>	<b>34.90</b>	<b>3.20</b>	<b>65.69</b>	<b>100.59</b>	<b>4.90</b>
<b>KPCL HYDEL STATIONS</b>							
SHARAVATHI VALLEY PROJECT_SVP (10x103.5+2x27.5)	12.857	631.80	2.73	0.35	22.29	25.03	0.40
MAHATMA GANDHI HYDRO ELECTRIC POWER HOUSE_MGHE (4x21.6+4x13.2)	8.393	23.46	0.19	0.45	1.06	1.25	0.53
GERUSOPPA_GPH (SHARAVATHI TAIL RACE_STR) (4x60)	8.393	43.78	2.05	1.11	4.86	6.91	1.58
KALI VALLEY PROJECT_KVP (2x50+6x150)	17.900	567.92	3.82	0.55	31.20	35.02	0.62
VARAHI VALLEY PROJECT_VVP (4x115+2x4.5)	8.393	89.70	3.41	1.18	10.55	13.96	1.56
ALMATTI DAM POWER HOUSE_ADPH (1x15+5x55)	8.393	40.42	2.64	0.97	3.93	6.57	1.62
BHADRA HYDRO ELECTRIC POWER HOUSE_BHEP ((1x2+2x12)+(1x7.2+1x6))	8.393	5.09	0.13	3.36	1.71	1.84	3.61
KADRA POWER HOUSE_KPH (3x50)	8.393	30.45	1.63	1.46	4.46	6.09	2.00
KODASALLI DAM POWER HOUSE_KDPH (3x40)	8.393	28.55	1.01	1.14	3.26	4.27	1.50
GHATAPRABHA DAM POWER HOUSE_GDPH (2x16)	8.393	6.95	0.18	1.68	1.17	1.35	1.95
SHIVASAMUDRAM (4x4+6x3) & SHIMSHAPURA (2x8.6) HYDRO STATIONS.	8.393	24.53	0.30	0.80	1.97	2.27	0.93
MUNIRABAD POWER HOUSE (2x9+1x10)	8.393	7.68	0.04	0.58	0.45	0.48	0.63
TOTAL KPCL HYDRO		<b>1500.33</b>	<b>18.13</b>	<b>0.58</b>	<b>86.91</b>	<b>105.04</b>	<b>0.70</b>
<b>OTHER HYDRO</b>							
PRIYADARSHINI JURALA HYDRO ESLECTRIC STATION (6x39)	8.393	9.23		4.35	4.01	4.01	4.35
TUNGABHADRA DAM POWER HOUSE_TBPH (4x9+4x9)	8.393	0.79		1.83	0.14	0.14	1.83
TOTAL OTHER HYDRO	<b>8.393</b>	<b>10.02</b>		<b>4.15</b>	<b>4.16</b>	<b>4.16</b>	<b>4.15</b>

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<b>RENEWABLE ENERGY SOURCES</b>							
WIND-IPPS		269.43			97.72	97.72	3.63
KPCL-WIND (9x0.225+10x0.230)		0.00			0.00	0.00	3.71
MINI HYDEL-IPPS		281.61			92.54	92.54	3.29
CO-GEN					0.00	0.00	4.64
CAPPTIVE		2.44			0.69	0.69	2.84
BIOMASS					0.00	0.00	4.95
SOLAR-existing (anticipated as on 31.03.2017)		93.43			61.96	61.96	6.63
Solar-New Park	8.017	42.97			15.04	15.04	3.50
Solar-KREDL		50.04			26.30	26.30	5.26
SOLAR-KPCL (YELESANDRA,ITNAL,YAPALDINNI,SHIMSHA) (3x1+3x1+1x3x1x5)		0.00			0.00	0.00	6.00
<b>TOTAL RE</b>		<b>739.92</b>			<b>294.25</b>	<b>294.25</b>	
NTPC Bundled power	9.246	53.83			23.90	23.90	4.44
Power purchase from Co gen	8.018	104.24			36.17	36.17	3.47
Short term power purchase	12.500	140.00			58.38	58.38	4.17
Short term Purchase from MSEDCL	8.018	23.573			8.53	8.53	3.62
<b>TRANSMISSION CHARGES</b>							
PGCIL CHARGES			85.53			85.53	
KPTCL CHARGES			216.20			216.20	
SLDC			1.94			1.94	
POSOCO CHARGES			0.28			0.28	
<b>TOTAL INCLUDING TRANSMISSION &amp; SLDC CHARGES</b>		<b>5583.87</b>	<b>643.04</b>		<b>1371.86</b>	<b>2014.90</b>	<b>3.61</b>