

## Annexure- I(i)

ESCOMs TOTAL APPROVED POWER PURCHASE FOR FY20						
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.
Raichur Thermal POWER STATION_RTPS 1-7 (7x210)	7970.60	789.04	3012.89	3.78	3801.92	4.77
Raichur Thermal Power Station_Rtps 8 (1x250)	1426.96	227.12	510.85	3.58	737.97	5.17
Bellary Thermal Power Stations_Btps-1 (1x500)	1430.00	290.18	550.55	3.85	840.73	5.88
Bellary Thermal Power Stations_Btps-2 (1x500)	1300.00	459.09	486.20	3.74	945.29	7.27
Bellary Thermal Power Stations_BTPS-3 (1x700)	1400.00	613.22	481.60	3.44	1094.82	7.82
YTPS	1571.63	736.36	488.78	3.11	1225.14	7.80
Total Kpcl Thermal	15099.19	3115.02	5530.87	3.66	8645.88	5.73
Cgs Sources	-	-	-	-	-	-
N.T.P.C-Rstp-I&II (3x200mw+3x500mw)	2600.00	185.29	642.20	2.47	827.49	3.18
N.T.P.C-RSTP-III (1X500MW)	779.00	48.90	188.67	2.42	237.57	3.05
NTPC-Talcher (4X500MW)	2330.99	170.11	387.41	1.66	557.52	2.39
Simhadri Unit -1 &2 (2X500MW)	1011.00	158.85	287.33	2.84	446.18	4.41
NTPC Tamilnadu Energy Company Ltd (NTECL)_Vallur TPS Stage I &2 &3 (3X500MW)	738.00	160.86	229.37	3.11	390.23	5.29
Neyveli Lignite Corporation_NLC TPS-II STAGE I (3X210MW)	819.24	60.35	211.53	2.58	271.88	3.32
Neyveli Lignite Corporation_NLC TPS-II STAGE 2 (4X210MW)	1073.24	81.69	277.11	2.58	358.80	3.34
Neyveli Lignite Corporation_NLC TPS I EXP (2X210MW)	696.00	73.65	168.43	2.42	242.08	3.48
Neyveli Lignite Corporation_NLC TPS2 EXP (2X250MW)	582.00	140.79	140.84	2.42	281.63	4.84
Nlc Taminadu Power Limited (Ntpl) (TUTICORIN) (2X500MW)	1133.26	187.80	271.19	2.39	458.99	4.05
MAPS (2X220MW)	201.66	0.00	45.37	2.25	45.37	2.25
Kaiga Unit 1&2 (2X220MW)	857.00	0.00	321.38	3.75	321.38	3.75

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Kaiga Unit 3 &4 (2X200MW)	900.00	0.00	337.50	3.75	337.50	3.75
NPCIL-Kudankulam Atomic Power Generating Station (KKNPP U1 (1X1000MW)	947.42	0.00	397.92	4.20	397.92	4.20
NPCIL-Kudankulam Atomic Power Generating Station (KKNPP) U2(1X1000MW)	1251.40	0.00	525.59	4.20	525.59	4.20
DVC-Unit-1 &2 Meja TPS (2x500MW)	1187.08	214.45	284.90	2.40	499.35	4.21
DVC-Unit-7 & 8-Koderma TPS (2x500MW)	1446.42	311.90	282.05	1.95	593.95	4.11
Kudgi	3014.00	771.00	910.23	3.02	1681.23	5.58
TOTAL CGS Energy @ KPTCL periphery	21567.71	2565.63	5909.02		8474.65	3.93
TOTAL MAJOR IPPS						
Udupi Power Corporation Limited_Upcl (2x600)	4352.26	1141.00	1540.70	3.54	2681.70	6.16
KPCL HYDEL STATIONS						
Sharavathi Valley Project_SVP (10x103.5+2x27.5)	4157.08	-	212.01	0.51	212.01	0.51
Mahatma Gandhi Hydro Electric Power House_MGHE (4x21.6+4x13.2)	211.35	-	30.86	1.46	30.86	1.46
Gerusoppa_Gph (SHARAVATHI TAIL RACE_STR) (4x60)	513.09	-	93.90	1.83	93.90	1.83
Kali Valley Project_KVP (2x50+5x150+1x135)	2868.26	-	226.59	0.79	226.59	0.79
Varahi Valley Project_VVP (4x115+2x4.5)	1079.22	-	107.92	1.00	107.92	1.00
Almatti Dam Power House_ADPH (1x15+5x55)	442.40	-	82.29	1.86	82.29	1.86
Bhadra Hydro Electric Power House_BHEP ((1x2+2x12)+(1x7.2+1x6))	48.00	-	25.20	5.25	25.20	5.25
Kadra Power House_KPH (3x50)	365.42	-	88.43	2.42	88.43	2.42
Kodasalli Dam Power House_KDPH (3x40)	348.39	-	57.14	1.64	57.14	1.64
Ghataprabha Dam Power House_GDPH	72.35	-	19.90	2.75	19.90	2.75

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(2x16)						
Shivasamudram (4x4+6x3) & Shimshapura (2x8.6) Hydro Stations.	242.74	-	31.80	1.31	31.80	1.31
MUNIRABAD POWER HOUSE (2x9+1x10)	91.44	-	9.78	1.07	9.78	1.07
Total KPCL Hydro	10439.74	-	985.81		985.81	0.94
OTHER HYDRO						
PRIYADARSHINI JURALA HYDRO ESLECTRIC STATION (6x39)	90.71	-	58.69	6.47	58.69	6.47
TUNGABHADRA DAM POWER HOUSE_TBPH (4x9+4x9)	17.93	-	1.61	0.90	1.61	0.90
TOTAL OTHER HYDRO	108.64	-	60.30		60.30	5.55
NON-CONVENTIONAL ENERGY SOURCES	-	-	-	-	-	-
WIND-IPPS	6603.22	-	2350.75	3.56	2350.75	3.56
KPCL-WIND (9x0.225+10x0.230)	6.92	-	2.48	3.58	2.48	3.58
MINI HYDEL-IPPS	944.34	-	299.36	3.17	299.36	3.17
CO-GEN	461.74	-	238.26	5.16	238.26	5.16
CAPPTIVE	0.79	-	0.24	3.08	0.24	3.08
BIOMASS	88.03	-	46.22	5.25	46.22	5.25
Solar Exisitng		-				
SOLAR-existing	3453.65	-	1889.15	5.47	1889.15	5.47
Solar SECI	1547.89	-	696.55	4.50	696.55	4.50
NTPC solar Bundle power NSM(Pavagada)	1000.00	-	475.00	4.75	475.00	4.75
Solar New Projects		-				
Solar-New Park Pavagada	1330.00	-	384.37	2.89	384.37	2.89
Solar-KREDL(New and others)	0.00	-	0.00	3.15	0.00	3.15

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SOLAR-KPCL (YELESANDRA,ITNAL,YAPALDINNI,SHIMSHA) (3x1+3x1+1x3x1x5)	8.89	-	3.18	3.58	3.18	3.58
TOTAL Non-Conventional Energy (NCE)	15445.47	-	6385.55		6385.55	4.13
NTPC Bundled power solar Old	120.50	-	126.89	10.53	126.89	10.53
NTPC Bundled power coal Old	504.28	-	203.73	4.04	203.73	4.04
NTPC Bundled power coal new(Pavagada)	2021.81	-	598.46	2.96	598.46	2.96
Power purchase from Co gen	1245.96	-	584.36	4.69	584.36	4.69
<b>TRANSMISSION CHARGES:</b>						
PGCIL CHARGES	-	1820.67	-	-	1820.666	-
KPTCL CHARGES	-	3506.24	-	-	3506.24	-
SLDC	-	18.41	-	-	18.41	-
POSOCO CHARGES	-	2.81	-	-	2.81	-
<b>TOTAL INCLUDING TRANSMISSION &amp; LDC CHARGES</b>	<b>70905.56</b>	<b>12169.78</b>	<b>21925.67</b>	<b>3.0922</b>	<b>34095.44</b>	<b>4.80857</b>