

**Annexe-7**

**DETAILS OF POWER PURCHASE FOR FY-06 AS PROJECTED BY KPTCL AND AS APPROVED BY KERC**

		As Projected by KPTCL (Revised dated 12.9.05)							As Approved by KERC					
Sl no	Source	Plant Capacity (MW)	Units purchased (MU)	Fixed Charges/ annum (Rs in Crs)	Variable charge for (Ps/unit)	Variable cost (Rs.in Crs) for FY06	Total cost (Rs.in Crs.)	Average Tariff (Ps/unit)	Units purchased (MU)	Fixed Charges/ annum (Rs in Crs)	Variable Cost (Ps/unit)	Variable Cost (Rs crs)	Total Power purchase cost (Rs in Crs)	Average cost (ps/unit)
<b>A</b>	<b>KPCL HYDEL</b>													
1	Sharavathi	1035	4939.00		12.60	62.23	62.23	12.60	4939.00		12.60	62.23	62.23	12.60
2	Bhadra	39.2	76.00		12.60	0.96	0.96	12.60	76.00		12.60	0.96	0.96	12.60
3	Linganamakki	55	300.00		21.10	6.33	6.33	21.10	300.00		21.10	6.33	6.33	21.10
4	Chakra		500.00		38.36	19.18	19.18	38.36	500.00		38.36	19.18	19.18	38.36
5	Kalinadi(Nagajari)	855	2234.00		35.60	79.52	79.52	35.60	2234.00		35.60	79.52	79.52	35.60
6	Supa	100	390.00		35.67	13.91	13.91	35.67	390.00		35.67	13.91	13.91	35.67
7	Varahi	230	914.00		55.96	51.15	51.15	55.96	914.00		55.96	51.15	51.15	55.96
8	Ghataprabha(GDPH)	32	111.00		68.02	7.55	7.55	68.02	111.00		68.02	7.55	7.55	68.02
9	Kalmala	0.4	0.00			0.00	0.00		0.00			0.00	0.00	
10	Sirwar	1.0	0.00			0.00	0.00		0.00			0.00	0.00	
11	Mallapur & Others	9	25.00		98.00	2.45	2.45	98.00	25.00		98.00	2.45	2.45	98.00
12	Mani Dam	9	23.00		52.00	1.20	1.20	52.00	23.00		52.00	1.20	1.20	52.00
13	Bhadra RBC	6.2	0.00			0.02	0.02		0.00			0.00	0.00	
14	Kadra Dam	150	340.00		150.74	51.25	51.25	150.74	340.00		150.74	51.25	51.25	150.74
15	Kodasalli Dam	120	297.00		123.13	36.57	36.57	123.13	297.00		123.13	36.57	36.57	123.13
16	Gerusoppa/STRP	240	478.00		272.72	130.36	130.36	272.72	478.00		272.72	130.36	130.36	272.72
17	Almatti	290	393.00		273.97	107.67	107.67	273.97	393.00		273.97	107.67	107.67	273.97
18	Genekal	0.35	0.00			0.00	0.00		0.00			0.00	0.00	
	<b>KPCL Hydel</b>	<b>3172.15</b>	<b>10520.00</b>	<b>0.00</b>		<b>570.35</b>	<b>570.35</b>	54.22	<b>10520.00</b>	<b>0.00</b>		<b>570.33</b>	<b>570.33</b>	54.21
19	Kappadagudda (Wind)	4.555	14.00		297.86	4.17	4.17	297.86	14.00		297.86	4.17	4.17	297.86
<b>II</b>	<b>KPCL Thermal</b>											0.00	0.00	
20	RTPS -1 & 2	420	2209.00		165.04	364.57	364.57	165.04	2209.00		165.04	364.57	364.57	165.04
21	RTPS 3	210	1244.00		187.52	233.28	233.28	187.52	1244.00		187.52	233.28	233.28	187.52
22	RTPS 4	210	1263.00		280.65	354.46	354.46	280.65	1263.00		280.65	354.46	354.46	280.65
23	RTPS 5 & 6	420	2828.00	290.50	156.18	441.68	732.18	258.90	2828.00	290.50	156.18	441.68	732.18	258.90
24	RTPS 7	210	1133.00	117.17	162.05	183.60	300.77	265.46	1133.00	117.17	162.05	183.60	300.77	265.46
	<b>KPCL-Thermal</b>	<b>1470</b>	<b>8677.00</b>	<b>407.67</b>		<b>1577.59</b>	<b>1985.26</b>	228.80	<b>8677.00</b>	<b>407.67</b>		<b>1577.59</b>	<b>1985.26</b>	228.80

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		Plant Capacity (MW)	Units purchased (MU)	Fixed Charges/ annum (Rs in Crs)	Variable charge for (Ps/unit)	Variable cost (Rs.in Crs) for FY06	Total cost (Rs.in Crs.)	Average Tariff (Ps/unit)	Units purchased (MU)	Fixed Charges/ annum (Rs in Crs)	Variable Cost (Ps/unit)	Variable Cost (Rs crs)	Total Power purchase cost (Rs in Crs)	Average cost (ps/unit)
	<b>Total KPCL purchase</b>	<b>4646.71</b>	<b>19211.00</b>	<b>407.67</b>		<b>2152.11</b>	<b>2559.78</b>	133.25	<b>19211.00</b>	<b>407.67</b>		<b>2152.09</b>	<b>2559.76</b>	133.24
<b>B</b>	<b>Central Projects</b>													
1	N.T.P.C-Ramagundam	2100	2822.00	101.40	101.22	285.63	387.03	137.15	2822.00	<b>101.40</b>	101.22	285.63	387.03	137.15
2	NTPC-ER		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00	
3	NTPC-Talcher	2000	2978.00	349.01	44.06	131.20	480.21	161.25	2978.00	349.01	44.06	131.20	480.21	161.25
4	NLC TPS2-Stage 1	630	886.00		238.71	211.50	211.50	238.71	886.00		238.71	211.50	211.50	238.71
5	NLC TPS2-Stage 2	840	1159.00		127.64	147.93	147.93	127.64	1159.00		127.64	147.93	147.93	127.64
6	NLC TPS1-Expn	420	720.00	48.38	165.93	119.47	167.85	233.13	720.00	48.38	165.93	119.47	167.85	233.13
7	MAPS	340	105.00		207.33	21.77	21.77	207.33	105.00		207.33	21.77	21.77	207.33
8	Kaiga	440	776.00		331.69	257.39	257.39	331.69	776.00		331.69	257.39	257.39	331.69
9	PGCIL(Tran Charges)			181.78		-2.76	179.02			179.02		0.00	179.02	
10	NTPC-VII *		706.00	51.12	149.05	105.23	156.35	221.46	706.00	51.12	149.05	105.23	156.35	221.46
11	Bi-lateral					0.00	0.00					0.00	0.00	
a)	Trading Co		0.00			0.00	0.00		0.00			0.00	0.00	
b)	UI/Trading		1062.00		266.94	283.49	283.49	266.94	1062.00		266.94	283.49	283.49	266.94
c)	NTPC- NVNL		0.00			0.00	0.00		0.00			0.00	0.00	
	<b>Total B</b>	<b>6770</b>	<b>11214.00</b>	<b>731.68</b>		<b>1560.86</b>	<b>2292.54</b>	204.44	<b>11214.00</b>	<b>728.92</b>		<b>1563.62</b>	<b>2292.54</b>	204.44
<b>C</b>	<b>Neighbouring States</b>											0.00	0.00	
	<b>Total C</b>		<b>0.00</b>	<b>0.00</b>			<b>0.00</b>		<b>0.00</b>	0.00			<b>0.00</b>	
<b>D</b>	<b>IPPs-Major</b>											<b>0.00</b>	<b>0.00</b>	
1	Tanir Bavi	220	647.00	319.60	406.13	262.76	582.36	900.09	647.00	<b>174.60</b>	406.13	262.76	437.36	675.99
2	Rayalseema	27.1	61.00	21.45	385.53	23.52	44.97	737.21	61.00	21.45	385.53	23.52	44.97	737.21
3	Tata Co	79.1	236.00	66.62	367.80	86.80	153.42	650.08	236.00	66.62	367.80	86.80	153.42	650.08
4	Jindal	260	410.00		379.83	155.73	155.73	379.83	410.00		379.83	155.73	155.73	379.83
	<b>Total D</b>	<b>586.2</b>	<b>1354.00</b>	<b>407.67</b>		<b>528.81</b>	<b>936.48</b>	691.64	<b>1354.00</b>	<b>262.67</b>		<b>528.81</b>	<b>791.48</b>	584.55
<b>E</b>	<b>Minor IPPS</b>											<b>0.00</b>	<b>0.00</b>	
	I)Co-generation-Existing		1090.00		304.70	332.12	332.12	304.70	1090.00		304.70	332.12	332.12	304.70
	II) Biomass-Existing		172.00		337.38	58.03	58.03	337.38	172.00		337.38	58.03	58.03	337.38
	III) Mini Hydel-Existing		822.00		317.08	260.64	260.64	317.08	822.00		317.08	260.64	260.64	317.08

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	IV) Wind mill		654.00		333.04	217.81	217.81	333.04	654.00		333.04	217.81	217.81	333.04
	<b>Total E</b>		<b>2738.00</b>	<b>0.00</b>		<b>868.60</b>	<b>868.60</b>	317.24	<b>2738.00</b>	<b>0.00</b>		<b>868.60</b>	<b>868.60</b>	317.24
<b>F</b>	<b>KEB/VVNL</b>											<b>0.00</b>	<b>0.00</b>	
<b>(I)</b>	<b>Hydel</b>											<b>0.00</b>	<b>0.00</b>	
1	Shiva	42	196.00		266.28	52.19	52.19	266.28	196.00		99.11	19.43	19.43	99.11
2	Shimsha	17.2	97.00		216.19	20.97	20.97	216.19	97.00		33.20	3.22	3.22	33.20
3	Munirabad	27	57.00		292.28	16.66	16.66	292.28	57.00		55.55	3.17	3.17	55.55
4	MGHE-Jog	120	178.00		226.57	40.33	40.33	226.57	178.00		103.53	18.43	18.43	103.53
	<b>Total F(I)</b>	<b>206.2</b>	<b>528.00</b>	<b>0.00</b>		<b>130.15</b>	<b>130.15</b>	246.50	<b>528.00</b>	<b>0.00</b>		<b>44.24</b>	<b>44.24</b>	83.79
<b>(ii)</b>	<b>Deisel-Yalahanka</b>	<b>127.8</b>	<b>243.00</b>		411.32	99.95	<b>99.95</b>	411.32	<b>243.00</b>		411.32	<b>99.95</b>	<b>99.95</b>	411.32
	<b>Total F</b>	<b>334</b>	<b>771.00</b>	<b>0.00</b>		<b>230.10</b>	<b>230.10</b>	298.44	<b>771.00</b>	<b>0.00</b>		<b>144.19</b>	<b>144.19</b>	187.02
<b>G</b>	<b>TB Dam</b>	14.4	36.00				0.00	0.00	36.00					0.00
	<b>Grand Total</b>		<b>35324.00</b>	<b>1547.02</b>		<b>5340.48</b>	<b>6887.50</b>	194.98	<b>35324.00</b>	<b>1399.26</b>		<b>5257.31</b>	<b>6656.57</b>	188.44