

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380	MW
ST-Gas	200	MW
ST-Oil	0	MW
Gas	3,286	MW
Hydro	1,829	MW
Distillate	1,100	MW
<b>Total TNB</b>	<b>7,795</b>	<b>MW</b>
<b>Total IPP</b>	<b>11,037</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>47</b>	<b>MW</b>
<b>System Total</b>	<b>18,879</b>	<b>MW</b>

**Set On Bus, TNB, IPP And MD**

At Daily Maximum Demand Hour : 14:30		
TNB Generation	5,807	MW
IPP Generation	9,391	MW
Total Set On Bus	16,317	MW
Maximum Demand	15,307	MW
Spinning Reserve	1,072	MW
Net Energy	317,194	MWH
Load Factor	86.3	%

**Maximum Demand Record**

Date :	20/06/2012	15,826.0 MW
Date :	20/06/2012	328,716.0 MWH

**Hourly System MW Generation**

	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
System Total	12328	11700	11284	10976	10930	10727	11104	11062	11406	13128	14029	14734	14806	14469	15064	15154	15224	14900	13859	13425	14523	14477	13954	13555

**Gas Usage**

Station	(mmscfd)
CBPS	46
GLGR	57
PAKA	135
PGPS	16
SRDG	26
TJGS	130
<b>TNB Total</b>	<b>409</b>
KLPP	35
MPSS	54
PGLA	88
PLPS	102
SGB3	81
SGRI	80
SKSP	55
YPKA	69
<b>IPP Total</b>	<b>564</b>
<b>Total Gas</b>	<b>973</b>

Total Gas Required : 1,402  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
KLPP	72
PDPS	9
PGPS	33
PKLG	135
PTEK	10
SGB3	2
SGRI	86
SRDG	28
TJGS	53
<b>Total</b>	<b>429</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	33,120.00	10.44 %
Gas	52,085.00	16.42 %
Hydro	15,230.00	4.80 %
Distillate	13,616.00	4.29 %
<b>Total TNB</b>	<b>114,051.0</b>	<b>35.96 %</b>
ST-Coal	92,971.0	29.31 %
ST-Oil	13,351.0	4.21 %
Gas	72,962.0	23.00 %
Distillate	21,785.0	6.87 %
<b>Total IPP</b>	<b>201,069.0</b>	<b>63.39 %</b>
Co-Gen	1,308.0	0.41 %
<b>Total Co-Gen</b>	<b>1,308.0</b>	<b>0.41 %</b>
<b>Total Generation</b>	<b>316,428.0</b>	<b>99.76 %</b>
PLTG	-68.0	-0.02 %
HVDC	-698.0	-0.22 %
<b>Interconnection</b>	<b>-766.0</b>	<b>-0.24 %</b>
<b>Net Energy</b>	<b>317,194.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	327
Hydro	188
Syncon	425
Thermal	25
<b>Total</b>	<b>965</b>

**Weather**
**Temperature**

Morning	Sunny	27
Afternoon	Hot	32





Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	75	34	36	74	36	35	36	74	34	31
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
<b>Total Hydro</b>		<b>386</b>	<b>456</b>	<b>366</b>	<b>367</b>	<b>302</b>	<b>323</b>	<b>326</b>	<b>356</b>	<b>369</b>	<b>398</b>	<b>373</b>	<b>467</b>	<b>507</b>	<b>469</b>	<b>432</b>	<b>460</b>	<b>482</b>	<b>496</b>	<b>482</b>	<b>425</b>	<b>537</b>	<b>865</b>	<b>984</b>	
KLPP	GT13	130	128	129	129	128	128	129	109	109	110	66	113	127	128	129	128	128	128	128	128	128	128	128	128
KLPP	GT14	128	127	127	127	127	126	126	103	107	107	64	115	121	126	126	126	126	126	127	127	127	126	126	126
PDPS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	GT3A	84	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	GT3B	95	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	ST3C	82	82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	ST1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Distillate</b>		<b>519</b>	<b>515</b>	<b>256</b>	<b>256</b>	<b>255</b>	<b>254</b>	<b>255</b>	<b>212</b>	<b>216</b>	<b>217</b>	<b>130</b>	<b>228</b>	<b>248</b>	<b>254</b>	<b>255</b>	<b>254</b>	<b>255</b>	<b>537</b>	<b>633</b>	<b>809</b>	<b>1012</b>	<b>1503</b>	<b>1662</b>	
PCUF	CUFG	15	16	16	17	17	19	16	17	17	18	16	17	17	15	18	18	17	18	17	16	16	16	16	16
PCUF	CUFK	31	31	33	33	34	31	32	34	34	35	35	34	35	35	36	37	37	35	30	30	30	29	28	27
<b>Total Co-Gen</b>		<b>46</b>	<b>47</b>	<b>49</b>	<b>50</b>	<b>51</b>	<b>50</b>	<b>48</b>	<b>51</b>	<b>49</b>	<b>52</b>	<b>50</b>	<b>52</b>	<b>52</b>	<b>51</b>	<b>50</b>	<b>53</b>	<b>54</b>	<b>54</b>	<b>55</b>	<b>52</b>	<b>46</b>	<b>46</b>	<b>46</b>	
<b>Total Gen</b>		<b>12345</b>	<b>12013</b>	<b>11728</b>	<b>11485</b>	<b>11255</b>	<b>11015</b>	<b>10996</b>	<b>10857</b>	<b>10877</b>	<b>10849</b>	<b>10673</b>	<b>10886</b>	<b>10981</b>	<b>11262</b>	<b>11063</b>	<b>10998</b>	<b>11428</b>	<b>12515</b>	<b>13123</b>	<b>13629</b>	<b>14000</b>	<b>14527</b>	<b>14734</b>	
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-28	-28	-29	-29	-30	-30	-29	-29	-29	-29	-29
TIE-PLTG		46	-118	57	42	0	-69	49	-40	-24	-24	-24	-58	-94	-48	29	-64	51	71	25	49	0	-76	37	
<b>Interconnection</b>		<b>17</b>	<b>-147</b>	<b>28</b>	<b>13</b>	<b>-29</b>	<b>-98</b>	<b>20</b>	<b>-69</b>	<b>-53</b>	<b>-53</b>	<b>-54</b>	<b>-88</b>	<b>-123</b>	<b>-77</b>	<b>1</b>	<b>-92</b>	<b>22</b>	<b>42</b>	<b>-5</b>	<b>19</b>	<b>-29</b>	<b>-105</b>	<b>8</b>	
<b>System Total</b>		<b>12328</b>	<b>12160</b>	<b>11700</b>	<b>11472</b>	<b>11284</b>	<b>11113</b>	<b>10976</b>	<b>10926</b>	<b>10930</b>	<b>10902</b>	<b>10727</b>	<b>10974</b>	<b>11104</b>	<b>11339</b>	<b>11062</b>	<b>11090</b>	<b>11406</b>	<b>12473</b>	<b>13128</b>	<b>13610</b>	<b>14029</b>	<b>14632</b>	<b>14734</b>	
SRev ST-Coal		40	31	43	34	17	21	33	21	25	38	24	49	37	49	48	58	56	22	43	44	50	42	43	
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev ST-Oil		-4	-3	-3	-3	-3	-3	-3	-3	-3	-4	36	15	-1	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
SRev CCGT-Gas		375	642	738	992	1174	1429	1438	1579	1570	1619	1655	1532	1525	1201	1362	1446	1185	1006	840	651	563	112	174	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Distillate		11	15	4	4	5	6	5	48	44	43	130	32	12	6	5	6	5	133	177	141	78	137	108	
SRev Co-Gen		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syncon		323	625	625	625	625	625	625	625	625	625	474	474	625	625	625	539	388	539	539	302	453	453	690	
Hydro		433	61	151	50	115	94	91	61	78	119	144	50	161	199	85	57	35	107	272	178	66	157	207	

*Daily MW Generation On Thursday*

*12-Jul-2012*

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300																								
S.Reserve	Total	1263	1456	1643	1787	2018	2257	2274	2416	2424	2525	2699	2388	2293	2011	2207	2274	1988	1889	1802	1635	1378	832	982	991	1076	1244	1329	1195	1067	1072	1147	1072	1025	959	1084	1106	1189	1569	1596	1000	888	1037	956	1025	1207	1055	1163	872