

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380	MW
ST-Gas	0	MW
ST-Oil	150	MW
Gas	4,521	MW
Hydro	1,779	MW
Distillate	0	MW
<b>Total TNB</b>	<b>7,830</b>	<b>MW</b>
<b>Total IPP</b>	<b>11,405</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>43</b>	<b>MW</b>
<b>System Total</b>	<b>19,838</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 16:00	
TNB Generation	4,804 MW
IPP Generation	9,789 MW
Total Set On Bus	15,449 MW
Maximum Demand	14,603 MW
Spinning Reserve	813 MW
Net Energy	303,552 MWH
Load Factor	86.6 %

**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	11859	11604	11124	10728	10542	10386	10675	10832	10973	12580	13436	14134	14178	13766	13962	14383	14603	14275	13248	12922	13746	13504	13012	13099

**Gas Usage**

Station	(mmscfd)
CBPS	57
GLGR	57
PGPS	49
SRDG	25
TJGS	222
<b>TNB Total</b>	<b>410</b>
KLPP	109
MPSS	56
PDPS	2
PGLA	93
PLPS	112
PTEK	2
SGB3	89
SGRI	118
SKSP	39
YPKA	84
<b>IPP Total</b>	<b>703</b>
<b>Total Gas</b>	<b>1,113</b>

Total Gas Required : 1,113  
Gas Calorific Value : 38,500

**Generation Mix**

Type	MWh	Percentage
ST-Coal	32,923.00	10.85 %
Gas	54,725.00	18.03 %
Hydro	7,994.00	2.63 %
<b>Total TNB</b>	<b>95,642.0</b>	<b>31.51 %</b>
ST-Coal	116,757.0	38.46 %
Gas	90,890.0	29.94 %
<b>Total IPP</b>	<b>207,647.0</b>	<b>68.41 %</b>
Co-Gen	1,355.0	0.45 %
<b>Total Co-Gen</b>	<b>1,355.0</b>	<b>0.45 %</b>
<b>Total Generation</b>	<b>304,644.0</b>	<b>100.36 %</b>
PLTG	361.0	0.12 %
HVDC	731.0	0.24 %
<b>Interconnection</b>	<b>1,092.0</b>	<b>0.36 %</b>
<b>Net Energy</b>	<b>303,552.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	205
Hydro	163
Syncon	480
Thermal	27
<b>Total</b>	<b>875</b>

**Weather**
**Temperature**

Morning	Rainy	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
TJGS	GT1A	234	234	234	231	231	231	231	231	231	231	233	230	230	230	226	226	226	226	226	226	226	226	226	229
TJGS	GT1B	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230
TJGS	ST1C	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	254	254	254	254	254	254	254	257	
TJGS	GT2A	189	225	212	195	193	196	188	190	220	222	200	217	221	186	222	190	185	188	219	220	220	219	219	220
TJGS	GT2B	185	216	210	188	188	191	183	186	217	217	195	213	216	179	215	184	182	185	214	217	217	215	215	214
TJGS	ST2C	238	255	255	240	248	241	244	243	259	258	249	244	260	245	255	240	245	239	259	260	260	261	261	261
Total CCGT-Gas		5523	5189	5069	4726	4637	4527	4277	4295	4191	4180	4122	4154	4422	4455	4545	4442	4693	5537	6110	6716	6890	7053	7040	7037
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
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
SRDG	GT01	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	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
SRDG	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
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
Total 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
BSIA	HY03	10	11	11	11	11	11	11	12	11	11	11	12	11	11	9	11	10	11	10	11	11	10	11	10
CEND	HY01	6	6	6	7	7	7	7	7	7	7	6	7	6	6	6	6	6	7	6	7	7	7	6	7
CEND	HY02	6	6	6	6	6	6	6	7	7	6	7	7	6	6	6	6	6	6	6	6	6	6	6	6
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
KNRG	HY01	37	39	39	39	39	38	39	38	39	38	38	37	39	38	38	38	37	38	38	38	38	38	37	38
KNYR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	99	-1	98	96	-1	-1	86	99	98
KNYR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53	61	99	99	99	95	93	0	0
KNYR	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
KNYR	HY04	53	59	57	59	62	58	63	60	67	63	60	63	69	59	62	52	60	51	61	54	62	98	98	97
LPIA	HY01	19	19	19	19	19	19	19	19	19	19	19	19	19	19	24	21	21	20	20	23	21	20	20	20
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
PGAU	HY01	0	0	25	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	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
SYPS	HY04	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	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	41	35	31	28	35	32	35	34	36
TMGR	HY02	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	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
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	5
Total Hydro		141	150	173	151	155	149	155	174	162	155	150	154	163	151	202	198	185	169	189	231	253	567	550	839
PCUF	CUFK	13	10	13	13	11	17	18	20	18	18	17	17	17	17	19	18	18	17	17	18	18	17	18	17
PCUF	CUFK	35	36	36	36	38	37	37	38	35	36	35	37	37	36	38	38	37	37	36	36	36	34	34	33
Total Co-Gen		48	46	49	49	49	54	55	58	53	54	54	54	53	57	56	55	54	53	53	54	53	52	52	50
Total Gen		11996	11667	11578	11222	11129	11009	10692	10633	10523	10499	10441	10475	10740	10772	10927	10787	11127	12057	12645	13275	13491	13972	14129	14449
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		30	30	30	31	31	31	31	31	30	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30

### Daily MW Generation On Friday

20-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																											
TIE-PLTG		107	98	-56	40	-26	55	-67	-41	-50	7	24	-80	35	-14	65	144	124	14	34	33	25	1	-35	-8	43	26	13	-39	48	20	-8	26	3	66	63	13	53	50	-14	11	22	34	9	78	128	-50	29	-3			
Interconnection		137	128	-26	71	5	86	-36	-10	-19	37	55	-50	65	16	95	174	154	45	65	63	55	31	-5	23	74	57	44	-8	79	50	22	56	33	96	93	44	84	81	17	41	52	65	40	108	158	-20	59	28			
<b>System Total</b>		11859	11539	11604	11151	11124	10923	10728	10643	10542	10462	10386	10525	10675	10756	10832	10613	10973	12012	12580	13212	13436	13941	14134	14426	14178	13891	13766	13935	13962	14355	14383	14556	14603	14519	14275	13718	13248	12993	12922	13390	13746	13686	13504	13379	13012	13223	13099	12755			
SRev ST-Coal		36	38	33	24	32	41	115	214	203	210	203	207	219	207	197	229	126	23	27	45	26	35	29	30	21	32	35	37	31	31	36	36	16	23	24	27	43	30	33	36	34	30	29	46	48	31	35	27			
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	0	0	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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 CCGT-Gas		587	571	481	604	693	803	1053	1035	1139	1150	1208	1176	908	875	785	888	1367	743	580	324	230	97	110	113	188	182	148	123	248	210	285	146	150	137	115	244	607	880	1038	339	100	208	266	194	327	229	232	605			
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	96	44	9	12	11	75	74	97	22	29	28	28	26	24	103	0	0	0	0	0	-4	0	60	0	0	0	0		
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	0	0	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		726	726	726	726	726	726	575	726	726	726	726	726	640	489	640	640	640	640	640	388	640	453	539	640	489	388	539	539	539	539	539	539	539	539	539	539	539	539	388	388	539	539	640	489	640	640	640	640			
Hydro		76	67	194	66	62	68	62	194	55	62	67	63	54	66	101	256	118	134	114	172	150	288	153	221	91	89	242	254	156	115	161	91	80	112	185	119	124	123	248	213	140	204	150	253	127	108	115	127			
<b>S.Reserve Total</b>		1510	1487	1434	1420	1513	1638	1956	2018	2123	2148	2204	2172	1907	1874	1723	1862	2251	1540	1361	1181	1046	904	976	826	851	954	989	876	1071	917	1050	840	813	837	887	1132	1413	1672	1807	976	898	1062	1170	1227	1327	1193	1207	1584			