

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	150 MW
Gas	4,531 MW
Hydro	1,744 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,805 MW</b>
<b>Total IPP</b>	<b>11,482 MW</b>
<b>Total Co-Gen</b>	<b>46 MW</b>
<b>System Total</b>	<b>19,333 MW</b>

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

At Daily Maximum Demand Hour : 16:30	
TNB Generation	5,094 MW
IPP Generation	9,989 MW
Total Set On Bus	15,981 MW
Maximum Demand	15,214 MW
Spinning Reserve	852 MW
Net Energy	319,563 MWH
Load Factor	87.5 %

**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	13383	12366	12101	11756	11451	11549	11443	11052	11582	13121	13998	14698	14556	14162	14346	15127	15133	14737	13806	13323	13936	14159	13873	13617

**Gas Usage**

Station	(mmscfd)
CBPS	57
GLGR	56
PAKA	44
PGPS	51
SRDG	5
TJGS	218
<b>TNB Total</b>	<b>431</b>
KLPP	103
MPSS	54
PGLA	58
PLPS	97
SGB3	85
SGRI	110
SKSP	50
YPGS	34
YPKA	130
<b>IPP Total</b>	<b>723</b>
<b>Total Gas</b>	<b>1,154</b>

Total Gas Required : 1,289

Gas Calorific Value : 38,500

**Alternate Fuel Usage**

Station	(mmscfd)
PKLG	135
<b>Total</b>	<b>135</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	33,065.00	10.35 %
Gas	57,853.00	18.10 %
Hydro	14,407.00	4.51 %
<b>Total TNB</b>	<b>105,325.0</b>	<b>32.96 %</b>
ST-Coal	104,960.0	32.84 %
ST-Gas	573.0	0.18 %
ST-Oil	13,345.0	4.18 %
Gas	93,534.0	29.27 %
<b>Total IPP</b>	<b>212,412.0</b>	<b>66.47 %</b>
Co-Gen	1,287.0	0.40 %
<b>Total Co-Gen</b>	<b>1,287.0</b>	<b>0.40 %</b>
<b>Total Generation</b>	<b>319,024.0</b>	<b>99.83 %</b>
PLTG	157.0	0.05 %
HVDC	-696.0	-0.22 %
<b>Interconnection</b>	<b>-539.0</b>	<b>-0.17 %</b>
<b>Net Energy</b>	<b>319,563.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	339
Hydro	261
Syncon	307
Thermal	21
<b>Total</b>	<b>928</b>

**Weather**
**Temperature**

Morning	Sunny	28
Afternoon	Hot	33



### Daily MW Generation On Friday

27-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
YPGS	ST10	69	69	69	69	69	69	69	69	69	69	69	69	68	68	68	68	68	67	67	67	69	69	69	69
YPKA	BLK1	366	366	368	368	366	366	369	369	367	367	367	367	369	366	366	364	364	362	362	361	361	361	360	360
YPKA	BLK2	363	363	366	366	363	363	366	366	365	365	365	365	365	365	367	367	364	364	361	361	360	360	360	360
PLPS	GT11	138	139	133	135	102	102	102	102	62	68	66	67	66	69	66	68	67	67	71	105	105	105	137	136
PLPS	GT12	142	143	142	142	108	110	110	108	68	74	74	75	74	74	74	109	109	109	142	140	146	146	145	145
PLPS	GT13	142	142	0	0	0	0	0	0	0	0	0	0	0	0	44	111	104	108	108	107	142	142	142	140
PLPS	ST18	213	212	165	141	128	127	127	127	98	102	103	102	101	102	108	107	108	153	171	194	194	195	215	213
SKSP	BLK1	303	218	214	303	210	220	214	207	213	212	217	217	211	213	212	212	274	341	342	340	339	336	294	268
TJGS	GT1A	225	228	228	228	228	228	228	228	228	228	228	228	228	228	228	222	226	226	222	222	222	222	222	222
TJGS	GT1B	215	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219
TJGS	ST1C	253	253	257	257	254	254	254	257	257	257	257	257	257	257	257	257	257	254	254	254	254	254	254	254
TJGS	GT2A	219	220	219	220	220	220	221	165	165	165	165	165	165	166	219	220	219	218	218	217	217	217	217	217
TJGS	GT2B	214	214	214	214	215	215	160	159	159	158	158	160	159	160	161	213	214	214	214	214	214	214	211	211
TJGS	ST2C	262	261	261	261	261	227	227	227	227	226	227	227	227	263	261	262	262	262	262	262	262	262	261	261
Total CCGT-Gas		6673	6364	5638	5581	5409	5288	5180	4994	4863	4906	4898	4877	4903	4876	4815	4825	5165	6097	6360	6868	7018	7137	7210	7246
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
Total OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45	125	89	89	0	0
BSIA	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
BSIA	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
BSIA	HY03	22	21	21	21	11	12	12	11	12	12	9	12	11	10	9	11	10	10	12	12	12	11	12	11
CEND	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
CEND	HY02	6	6	6	6	7	6	6	6	6	6	6	6	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	34	37	36	37	35	36	37	36	37	35	34	36	35	35	33	36	35	37	37	37	21	23	21
KNRG	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
KNYR	HY01	99	87	99	99	100	98	100	100	33	100	100	52	64	63	22	-1	-1	95	98	98	98	98	98	98
KNYR	HY02	99	48	75	66	72	57	63	70	65	70	64	53	64	62	54	0	0	0	98	98	98	98	98	98
KNYR	HY03	0	0	0	0	0	0	0	0	0	0	64	60	22	0	0	0	97	97	97	97	97	97	97	97
KNYR	HY04	97	87	97	97	98	97	97	97	98	98	93	63	64	52	59	62	54	97	81	97	96	84	79	74
LPIA	HY01	21	21	21	21	21	21	26	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
MNOR	HY01	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	HY01	-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	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	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	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
SIHY	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
SYSPS	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
SYSPS	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
SYSPS	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
SYSPS	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	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY02	35	22	42	38	42	0	0	0	0	0	0	0	0	0	0	0	0	0	47	57	56	81	50	
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		430	340	412	398	412	339	349	362	284	381	350	282	344	336	236	141	149	235	506	559	745	1062	1295	
PCUF	CUFG	11	11	12	13	13	14	12	13	12	12	13	12	14	14	13	13	14	14	13	11	11	11	11	10

### Daily MW Generation On Friday

27-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																										
PCUF	CUFK	40	42	40	40	40	42	39	41	42	41	40	39	17	28	28	31	35	36	37	36	36	37	36	37	37	36	37	35	38	36	37	35	37	35	34	35	37	37	38	36	36	36	38	37	38	35	34			
Total Co-Gen		51	53	52	53	53	54	54	52	53	54	54	52	31	41	41	45	49	49	48	47	47	48	46	48	48	47	47	45	48	46	47	44	46	44	44	44	46	46	47	45	46	46	47	46	46	43	42			
Total Gen		13328	12933	12276	12201	12039	11849	11748	11568	11362	11496	11465	11354	11442	11390	11221	11142	11521	12539	13088	13635	13970	14407	14758	14755	14521	14323	14095	14159	14354	14721	15097	15077	15090	15129	14732	14194	13735	13426	13339	13540	13866	14233	14158	13972	13773	13890	13694	13459		
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	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	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-28	-28	-29			
TIE-PLTG		-26	208	-61	-33	-33	39	21	-64	-60	-55	-55	110	28	-21	198	40	-32	155	-4	-5	2	67	89	13	-6	18	-38	-55	37	-71	0	4	-14	-56	24	-24	-42	-30	45	-36	-41	-12	28	-33	-72	-6	105	-7		
Interconnection		-55	179	-90	-62	-62	10	-8	-93	-89	-84	-84	81	-1	-50	169	11	-61	126	-33	-35	-28	38	60	-16	-35	-11	-67	-84	8	-101	-30	-25	-43	-85	-5	-53	-71	-59	16	-65	-70	-41	-1	-61	-100	-34	77	-36		
System Total		13383	12754	12366	12263	12101	11839	11756	11661	11451	11580	11549	11273	11443	11440	11052	11131	11582	12413	13121	13670	13998	14369	14698	14771	14556	14334	14162	14243	14346	14822	15127	15102	15133	15214	14737	14247	13806	13485	13323	13605	13936	14274	14159	14033	13873	13924	13617	13495		
SRev ST-Coal		18	16	18	23	24	24	27	31	29	36	28	48	49	45	63	57	30	34	19	32	32	31	32	22	29	33	17	-2	22	43	44	24	17	34	46	17	25	24	41	16	15	-1	9	20	17	17	14	21		
SRev ST-Oil		-2	-2	-2	-2	1	-2	-2	-1	-1	-1	-1	-1	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2	-2	-2	-2	-1	-1	0	0	-2	-2	-1	-1	-2
SRev CCGT-Gas		372	391	627	684	856	977	1085	1271	1402	1359	1367	1388	1362	1389	1450	1440	1520	808	755	617	467	348	345	309	404	274	381	385	341	277	252	272	271	228	360	583	766	964	878	745	381	270	320	383	517	298	348	528		
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	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 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		625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	
Hydro		73	163	91	105	91	79	69	56	134	188	68	136	174	182	282	76	68	83	163	130	203	409	264	391	489	235	204	154	287	383	324	431	292	279	449	204	302	326	392	369	330	240	305	194	183	282	242	174		
S.Reserve Total		1086	1193	1359	1435	1597	1703	1804	1982	2189	2056	2087	2196	2209	2239	2418	2297	2342	1548	1409	1316	1002	937	875	876	1112	1120	1225	1161	1102	1004	856	885	889	852	1247	1255	1544	1765	1762	1582	1264	1048	1173	1220	1340	1070	1228	1346		