

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	3,390 MW
Hydro	1,840 MW
Distillate	300 MW
<b>Total TNB</b>	<b>7,740 MW</b>
<b>Total IPP</b>	<b>10,969 MW</b>
<b>Total Co-Gen</b>	<b>88 MW</b>
<b>System Total</b>	<b>18,797 MW</b>

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

At Daily Maximum Demand Hour : 20:30

TNB Generation	4,673 MW
IPP Generation	8,642 MW
Total Set On Bus	14,382 MW
Maximum Demand	13,463 MW
Spinning Reserve	979 MW
Net Energy	296,012 MWH
Load Factor	91.6 %

**Maximum Demand Record**

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

**Daily 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	12765	12324	11774	11398	11134	10945	10902	10978	10622	11755	12510	13189	13241	12959	13338	13316	13149	12912	12253	12225	13335	13246	12937	12773

**Gas Usage**

Station	(mmscfd)
CBPS	57
GLGR	58
PAKA	0
PGPS	6
TJGS	108
<b>TNB Total</b>	<b>228</b>
KLPP	57
MPSS	54
PGLA	92
PLPS	96
SGRI	159
SKSP	55
YPGS	34
YPKA	133
<b>IPP Total</b>	<b>681</b>
<b>Total Gas</b>	<b>909</b>

Total Gas Required : 1,116  
Gas Calorific Value : 38.500

**Alternate Fuel Usage**

Station	(mmscfd)
KLPP	11
PGLA	3
PGPS	49
PKLG	119
SGRI	25
<b>Total</b>	<b>207</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,362.00	16.68 %
ST-Oil	1,300.00	0.44 %
Gas	30,001.00	10.14 %
Hydro	16,822.00	5.68 %
Distillate	4,275.00	1.44 %
<b>Total TNB</b>	<b>101,760.0</b>	<b>34.38 %</b>
ST-Coal	85,336.0	28.83 %
ST-Gas	1,561.0	0.53 %
ST-Oil	11,599.0	3.92 %
Gas	89,011.0	30.07 %
Distillate	4,913.0	1.66 %
<b>Total IPP</b>	<b>192,420.0</b>	<b>65.00 %</b>
Co-Gen	2,297.0	0.78 %
<b>Total Co-Gen</b>	<b>2,297.0</b>	<b>0.78 %</b>
<b>Total Generation</b>	<b>296,477.0</b>	<b>100.16 %</b>
PLTG	-262.0	-0.09 %
HVDC	727.0	0.25 %
<b>Interconnection</b>	<b>465.0</b>	<b>0.16 %</b>
<b>Net Energy</b>	<b>296,012.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	414
Hydro	137
Syncon	366
Thermal	35
<b>Total</b>	<b>953</b>

	Weather	Temperature
Morning	Sunny	28
Afternoon	Hot	32



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 GT13	117	139	108	108	140	139	107	108	61	59	61	61	61	60	60	61	107	107	112	111	134	136	136	128	112	110	135	135	135	135	137	135	135	116	120	113	114	116	119	137	136	119	135	113	127	130	135					
S ST18	204	147	132	132	147	146	131	132	96	95	94	96	95	95	99	100	100	136	190	200	201	215	214	213	212	201	201	212	212	211	208	211	211	210	208	202	200	203	201	201	212	211	206	212	200	210	212	212				
IP BLK1	301	341	310	338	328	345	322	272	324	324	261	286	241	292	323	228	329	335	347	213	214	337	342	342	341	213	224	327	334	340	333	340	340	337	301	263	212	232	234	274	342	345	325	342	301	324	342	341				
S GT1A	229	229	229	229	229	229	229	229	229	232	232	232	232	161	195	104	136	228	204	195	219	220	225	223	226	226	226	224	224	224	224	223	223	224	210	186	115	140	136	219	228	226	211	228	181	221	225	226				
S GT1B	220	220	220	220	220	223	223	223	219	222	222	222	222	146	185	93	127	217	192	184	209	211	218	218	217	217	217	217	217	217	217	217	199	178	104	128	123	208	220	218	203	218	167	213	214	219						
S ST1C	256	256	256	256	256	256	256	256	256	256	256	256	256	201	220	167	152	246	250	240	246	246	256	256	256	256	256	256	256	256	256	245	210	187	152	157	229	255	258	249	253	227	241	249	249							
Total CCGT-Gas	5233	5043	4734	4685	4670	4549	4492	4187	4044	4042	3978	4014	3975	3829	3952	3599	3648	4236	4810	5172	5520	5691	5751	5755	5708	5517	5536	5713	5709	5711	5829	5784	5576	5498	5394	5184	4870	4703	4699	5247	5413	5406	5309	5416	5185	5359	5385	5507				
A HY01	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11			
ND HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
ND HY03	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		
RG HY02	22	22	22	23	22	22	23	22	23	23	23	22	24	23	22	22	22	22	22	22	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23		
YR HY01	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	
YR HY02	108	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	
YR HY03	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	
YR HY04	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	
A HY01	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	
MOR 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	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
AU 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	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
AU 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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
AU 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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
AU HY04	-1	-1	-1	-1	-1	110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
HY 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	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
HY 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	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
PS 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	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
PS 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	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
PS 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	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
IGR HY01	31	36	34	40	30	34	37	33	39	39	32	35	31	43	38	27	42	35	29	34	33	37	38	41	35	34	38	41	41	40	34	45	44	43	28	36	30	34	36	33	85	84	80	85	31	0	0	0	0			
IGR 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	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
IGR 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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
IGR 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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
IA 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	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
IA HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Total Hydro	537	543	541	548	537	652	545	540	547	546	539	542	537	584	546	530	550	542	536	540	540	802	987	1069	1062	941	829	871	992	1002	989	966	931	815	717	554	539	544	545	718	929	971	953	814	725	720	721	73				

Daily MW Generation On Saturday

09-Mar-2013

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	
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	
HVDC	30	30	30	31	31	30	30	30	30	30	30	30	30	31	31	30	30	30	30	31	31	30	30	30	
PLTG	55	81	-28	-34	75	9	-40	46	-67	-33	-39	78	-6	-92	-100	67	-23	85	65	52	29	85	4	-14	
connection	85	111	2	-3	106	39	-10	76	-37	-3	-9	108	24	-62	-70	97	7	116	96	82	59	116	35	16	
<b>em Total</b>	<b>12765</b>	<b>12574</b>	<b>12324</b>	<b>12094</b>	<b>11774</b>	<b>11523</b>	<b>11398</b>	<b>11154</b>	<b>11134</b>	<b>11006</b>	<b>10945</b>	<b>10840</b>	<b>10902</b>	<b>10894</b>	<b>10978</b>	<b>10471</b>	<b>10622</b>	<b>11168</b>	<b>11755</b>	<b>12127</b>	<b>12510</b>	<b>12879</b>	<b>13189</b>	<b>13318</b>	
v ST-Coal	42	29	24	26	31	25	30	27	93	93	121	88	88	95	94	106	28	27	34	20	29	26	24	28	
v ST-Oil	20	21	22	20	22	21	29	19	20	19	19	17	16	16	18	18	18	19	19	19	19	19	19	19	18
v CCGT-Gas	468	178	487	636	421	542	599	904	1047	1049	1113	1077	1116	1262	1139	1492	1423	1335	971	889	541	470	410	406	
v 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
v Distillate	82	72	125	89	267	18	19	19	18	19	20	21	19	17	19	21	18	20	21	19	20	69	87	65	23
v 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
con	625	625	625	625	625	474	625	625	625	625	625	625	625	474	625	625	625	625	625	625	625	625	625	625	625
ro	92	86	88	81	92	128	84	89	82	83	90	87	92	196	83	99	79	87	93	89	89	153	119	187	194
<b>eserve Total</b>	<b>1329</b>	<b>1011</b>	<b>1371</b>	<b>1477</b>	<b>1458</b>	<b>1208</b>	<b>1381</b>	<b>1686</b>	<b>1819</b>	<b>1888</b>	<b>1960</b>	<b>1948</b>	<b>1956</b>	<b>2053</b>	<b>1977</b>	<b>2349</b>	<b>2269</b>	<b>2113</b>	<b>1756</b>	<b>1675</b>	<b>1314</b>	<b>1214</b>	<b>984</b>	<b>1024</b>	<b>1040</b>