

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380	MW
ST-Gas	70	MW
ST-Oil	0	MW
Gas	4,039	MW
Hydro	1,715	MW
Distillate	0	MW
<b>Total TNB</b>	<b>7,204</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,855</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>69</b>	<b>MW</b>
<b>System Total</b>	<b>18,128</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 19:30

TNB Generation	4,686	MW
IPP Generation	8,813	MW
Total Set On Bus	14,741	MW
Maximum Demand	13,557	MW
Spinning Reserve	1,173	MW
Net Energy	299,670	MWH
Load Factor	92.1	%

**Maximum Demand Record**

<b>Date :</b>	13/05/2013	16,562.0 MW
<b>Date :</b>	25/06/2013	345,254.0 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	13096	12386	11868	11600	11402	11087	11134	10990	10832	12129	12752	13334	13217	12857	13183	13235	13126	12832	12346	12982	13535	13348	12966	12563

**Gas Usage**

Station	(mmscfd)
CBPS	46
GLGR	1
PAKA	174
PGPS	52
SRDG	17
TJGS	110
<b>TNB Total</b>	<b>401</b>
KLPP	79
MPSS	56
PGLA	116
PKLG	4
PLPS	95
SGB3	67
SGRI	216
SKSP	54
YPGS	33
YPKA	136
<b>IPP Total</b>	<b>856</b>
<b>Total Gas</b>	<b>1,256</b>

Total Gas Required : 1,256

Gas Calorific Value : 38.500

**Generation Mix**

Type	MWh	Percentage
ST-Coal	42,332.00	14.13 %
Gas	50,548.00	16.87 %
Hydro	11,016.00	3.68 %
<b>Total TNB</b>	<b>103,896.0</b>	<b>34.67 %</b>
ST-Coal	83,075.0	27.72 %
ST-Gas	234.0	0.08 %
Gas	111,354.0	37.16 %
<b>Total IPP</b>	<b>194,663.0</b>	<b>64.96 %</b>
Co-Gen	1,537.0	0.51 %
<b>Total Co-Gen</b>	<b>1,537.0</b>	<b>0.51 %</b>
<b>Total Generation</b>	<b>300,096.0</b>	<b>100.14 %</b>
PLTG	426.0	0.14 %
Interconnection	426.0	0.14 %
Net Energy	299,670.0	100.00 %

**Average SR During Peak Hour**

Type	MW
GT	310
Hydro	117
Syncon	464
Thermal	99
<b>Total</b>	<b>990</b>

	Weather	Temperature
Morning	Sunny	28
Afternoon	Hot	33





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	-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	HY04	39	34	37	34	30	42	41	36	34	43	34	34	34	31	35	37	36	38	40	35	39	34	34	37	32	33	29	32	37	35	32	32	35	36	34	31	33	34	38	33	32	30	35	32	31	45	39	33		
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	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		422	314	323	315	303	331	328	317	439	432	414	435	415	410	439	305	306	424	426	417	424	657	623	694	570	555	550	549	501	436	429	414	421	419	420	419	421	417	502	740	740	661	607	518	412	529	429	417		
PCUF	CUFG	43	45	44	43	44	43	45	44	43	44	44	45	44	45	46	47	47	45	45	46	44	52	52	53	52	51	50	50	49	47	47	49	49	49	51	51	50	51	54	52	52	51	54	51	51	52	52	53		
PCUF	CUFK	16	16	17	17	16	14	15	15	17	16	17	16	15	16	17	15	16	15	16	16	16	16	17	15	15	16	15	16	15	16	16	17	16	16	15	15	16	15	16	17	16	16	16	16	16	15	15	15		
Total Co-Gen		59	61	61	60	60	57	60	59	60	60	61	61	59	61	63	62	63	60	61	63	60	68	68	69	69	66	65	66	64	63	64	65	65	66	68	67	65	66	70	69	68	67	70	67	67	67	67	68		
Total Gen		13062	12717	12339	12273	11985	11685	11604	11440	11371	11216	11120	11137	11162	11145	10987	10802	10814	11672	12120	12595	12818	13175	13340	13514	13223	13136	13022	13069	13182	13177	13236	13293	13103	13109	12829	12605	12503	12406	12931	13568	13531	13330	13360	13218	12962	12907	12616	12352		
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	0	0	
TIE-HVDC		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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-PLTG		-34	53	-47	-4	117	-1	4	-8	-31	-57	33	10	28	54	-3	21	-18	87	-9	45	66	44	6	40	6	92	165	87	-1	-61	1	9	-23	-13	-3	35	157	0	-51	11	-4	-10	12	25	-4	-68	53	41		
Interconnection		-34	53	-47	-4	117	-1	4	-8	-31	-57	33	10	28	54	-3	21	-18	87	-9	45	66	44	6	40	6	92	165	87	-1	-61	1	9	-23	-13	-3	35	157	0	-51	11	-4	-10	12	25	-4	-68	53	41		
System Total		13096	12664	12386	12277	11868	11686	11600	11448	11402	11273	11087	11127	11134	11091	10990	10781	10832	11585	12120	12550	12752	13131	13334	13474	13217	13044	12857	12982	13183	13238	13235	13284	13126	13122	12832	12570	12346	12406	12982	13557	13535	13340	13348	13193	12966	12975	12563	12311		
SRev ST-Coal		113	118	121	117	118	128	130	122	120	179	186	117	146	158	167	199	315	200	186	115	122	141	108	131	159	126	133	119	115	117	117	113	123	113	114	118	117	110	103	120	110	105	112	114	112	160	108	99		
SRev ST-Gas		69	65	34	31	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		298	190	525	533	765	1079	1162	1316	1518	1553	1583	1545	1511	1587	1762	1745	1746	1083	889	550	476	275	281	180	297	377	503	473	326	398	350	362	517	286	265	480	588	684	571	264	261	298	168	215	242	120	296	408		
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	474	625	625	474	625	625	474	625	625	625	625	625	625	474	474	474	474	625	625	474	625	625	625	625	625	625	625	625	625	625	625	474	625	625	625	474	625	625	474	625	625		
Hydro		80	88	79	87	99	71	74	84	214	70	88	93	215	198	197	78	76	85	78	221	255	184	310	173	180	281	129	95	101	91	85	81	84	87	85	84	250	164	165	94	149	87	93	127	76	88				
S.Reserve Total		1185	1086	1384	1393	1635	1903	1991	2147	2326	2427	2482	2354	2370	2463	2618	2767	2883	1986	1776	1375	1301	1180	1120	970	1241	1302	1471	1377	1225	1264	1222	1221	1379	1134	1088	1310	1415	1503	1508	1173	1160	1150	908	1047	1073	881	1105	1220		