

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,562 MW
Hydro	1,731 MW
Distillate	0 MW
<b>Total TNB</b>	<b>6,743 MW</b>
<b>Total IPP</b>	<b>10,723 MW</b>
<b>Total Co-Gen</b>	<b>45 MW</b>
<b>System Total</b>	<b>17,511 MW</b>

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

At Daily Maximum Demand Hour : 19:30	
TNB Generation	4,359 MW
IPP Generation	9,673 MW
Total Set On Bus	14,868 MW
Maximum Demand	14,164 MW
Spinning Reserve	791 MW
Net Energy	308,321 MWH
Load Factor	90.7 %

**Maximum Demand Record**

Date :	13/05/2013	16,562.0 MW
Date :	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	13185	12578	11993	11626	11253	11031	11184	11035	10856	12164	13209	13924	13936	13512	13788	13800	13827	13361	12981	13130	14139	13981	13704	13381

**Gas Usage**

Station	(mmscfd)
CBPS	57
PAKA	70
PGPS	53
SRDG	34
TJGS	105
<b>TNB Total</b>	<b>318</b>
KLPP	113
MPSS	57
PDPS	10
PGLA	114
PKLG	103
PLPS	108
PTEK	7
SGB3	98
SGRI	149
SKSP	55
YPGS	68
YPKA	97
<b>IPP Total</b>	<b>979</b>
<b>Total Gas</b>	<b>1,297</b>

**Alternate Fuel Usage**

Station	(mmscfd)
PKLG	5
<b>Total</b>	<b>5</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	32,831.00	10.65 %
Gas	40,294.00	13.07 %
Hydro	17,880.00	5.80 %
<b>Total TNB</b>	<b>91,005.0</b>	<b>29.52 %</b>
ST-Coal	91,173.0	29.57 %
ST-Gas	9,615.0	3.12 %
ST-Oil	500.0	0.16 %
Gas	114,428.0	37.11 %
<b>Total IPP</b>	<b>215,716.0</b>	<b>69.96 %</b>
Co-Gen	1,106.0	0.36 %
<b>Total Co-Gen</b>	<b>1,106.0</b>	<b>0.36 %</b>
<b>Total Generation</b>	<b>307,827.0</b>	<b>99.84 %</b>
PLTG	201.0	0.07 %
HVDC	-695.0	-0.23 %
<b>Interconnection</b>	<b>-494.0</b>	<b>-0.16 %</b>
<b>Net Energy</b>	<b>308,321.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	295
Hydro	212
Syncon	295
Thermal	89
<b>Total</b>	<b>891</b>

**Weather Temperature**

	Weather	Temperature
Morning	Sunny	28
Afternoon	Hot	33

Total Gas Required : 1,302  
Gas Calorific Value : 38,500





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	
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	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	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	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	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	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	0
TMGR	HY01	79	-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	79	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	-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
TMGR	HY04	67	63	36	33	30	41	39	38	36	37	37	35	38	33	33	38	31	35	34	34	33	33	34	31	34
UPLA	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
Total Hydro		725	563	538	529	528	504	432	515	490	520	497	499	495	500	500	381	490	378	407	470	653	855	867	870	848
PCUF	CUFG	30	30	31	30	31	31	32	32	32	32	33	32	33	32	33	33	32	31	31	30	29	28	29	28	27
PCUF	CUFK	17	15	15	15	16	16	15	15	16	15	16	16	17	17	17	19	17	17	17	17	16	16	17	16	17
Total Co-Gen		47	45	46	45	47	47	47	48	47	49	48	48	49	49	48	50	50	49	50	48	47	46	44	46	44
Total Gen		13213	12807	12475	12169	12001	11808	11590	11359	11161	11202	11020	11030	11098	11197	11029	10621	10827	11670	12173	12796	13195	13656	13835	13928	13895
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
TIE-HVDC		-28	-28	-29	-29	-29	-29	-30	-30	-29	-29	-28	-28	-28	-31	-28	-29	-29	-28	-28	-30	-30	-29	-30	-30	-29
TIE-PLTG		56	45	-74	15	37	-16	-6	-104	-63	22	17	-68	-57	-79	22	29	2	-3	38	-6	14	17	-58	-30	-13
Interconnection		28	17	-103	-14	8	-45	-36	-134	-92	-7	-11	-96	-86	-108	-6	1	-29	-31	9	-35	-14	-11	-89	-58	-41
System Total		43185	42790	42578	42183	41993	41853	41626	41493	41253	41209	41031	41126	41184	41305	41035	40620	40856	41701	42164	42831	43209	43667	43924	43986	43936
SRev ST-Coal		112	118	116	177	93	109	119	103	125	177	165	173	156	112	102	115	107	97	119	109	107	107	104	106	106
SRev ST-Gas		6	-1	-1	-1	10	77	74	74	74	74	74	73	73	73	83	21	6	3	2	1	2	2	1	0	23
SRev ST-Oil		41	41	41	41	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		305	258	456	661	835	952	1044	1371	1523	1406	1547	1552	1560	1511	1689	1964	1877	1076	828	464	273	226	219	210	222
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
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
Syncon		539	625	625	625	625	625	474	625	474	625	625	625	625	474	625	625	625	625	453	453	453	453	453	453	539
Hydro		58	50	75	81	84	65	135	205	78	200	72	70	73	70	219	187	79	191	161	99	263	261	249	246	268
S.Reserve Total		1061	1091	1312	1584	1688	1828	1997	2227	2425	2331	2483	2494	2488	2391	2557	2964	2761	2072	1754	1303	1207	1065	1115	1020	1055