

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380	MW
ST-Gas	0	MW
ST-Oil	150	MW
Gas	4,381	MW
Hydro	1,808	MW
Distillate	0	MW
<b>Total TNB</b>	<b>7,719</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,979</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>91</b>	<b>MW</b>
<b>System Total</b>	<b>18,789</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 16:30		
TNB Generation	5,445	MW
IPP Generation	9,173	MW
Total Set On Bus	15,766	MW
Maximum Demand	14,691	MW
Spinning Reserve	1,057	MW
Net Energy	301,874	MWH
Load Factor	85.6	%

**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	11490	11001	10545	10138	9941	9888	9973	10446	10904	12701	13554	14287	14211	13989	14419	14526	14663	14336	13208	13039	13924	13703	13187	12905

**Gas Usage**

Station	(mmscfd)
CBPS	58
GLGR	63
PAKA	37
PGPS	50
SRDG	35
TJGS	221
<b>TNB Total</b>	<b>465</b>
KLPP	112
MPSS	47
PGLA	116
PKLG	1
PLPS	112
SGB3	91
SGRI	140
SKSP	57
YPGS	60
YPKA	129
<b>IPP Total</b>	<b>864</b>
<b>Total Gas</b>	<b>1,329</b>

**Alternate Fuel Usage**

Station	(mmscfd)
PKLG	40
<b>Total</b>	<b>40</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	32,518.00	10.77 %
Gas	60,897.00	20.17 %
Hydro	13,106.00	4.34 %
<b>Total TNB</b>	<b>106,521.0</b>	<b>35.29 %</b>
ST-Coal	76,781.0	25.43 %
ST-Gas	79.0	0.03 %
ST-Oil	3,952.0	1.31 %
Gas	112,972.0	37.42 %
<b>Total IPP</b>	<b>193,784.0</b>	<b>64.19 %</b>
Co-Gen	2,341.0	0.78 %
<b>Total Co-Gen</b>	<b>2,341.0</b>	<b>0.78 %</b>
<b>Total Generation</b>	<b>302,646.0</b>	<b>100.26 %</b>
PLTG	151.0	0.05 %
HVDC	621.0	0.21 %
<b>Interconnection</b>	<b>772.0</b>	<b>0.26 %</b>
<b>Net Energy</b>	<b>301,874.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	340
Hydro	172
Syncon	471
Thermal	2
<b>Total</b>	<b>986</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 28
Afternoon	Hot 32

Total Gas Required : 1,369  
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
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
UPLA	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
Total Hydro		413	220	196	175	157	236	175	180	173	215	187	182	201	201	168	182	285	469	519	568	588	797	921	982
PCUF	CUPG	50	51	52	51	51	53	52	52	51	51	51	51	46	46	48	50	48	46	45	45	46	46	46	46
PCUF	CUFK	40	39	41	39	41	41	41	40	39	40	40	40	39	40	38	40	39	40	39	40	42	39	41	42
Total Co-Gen		90	90	93	90	92	94	93	92	90	91	91	93	90	91	92	85	86	86	90	87	86	84	85	88
Total Gen		11475	11213	11019	10712	10609	10522	10106	10090	9996	9815	9942	9893	9969	10304	10506	10456	11065	12092	12715	13253	13597	13903	14273	14387
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	30	30	29	29	30	30	31	31	31	30	30	30	30	30	30	30	30	30	30	30	30
TIE-PLTG		15	9	48	-47	34	-9	-61	-9	25	-61	23	-4	-35	28	30	77	130	52	-16	14	13	-15	-44	90
Interconnection		-15	-21	18	-17	64	20	-32	21	55	-31	54	27	-4	58	60	108	161	82	14	44	43	15	-14	120
System Total		11490	11234	11001	10729	10545	10502	10138	10069	9941	9846	9888	9866	9973	10246	10446	10348	10904	12010	12701	13209	13554	13888	14287	14267
SRcv ST-Coal		-16	-12	-12	91	89	85	257	261	316	341	353	310	321	317	312	131	52	-8	-10	8	-8	-4	-12	-1
SRcv 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
SRcv 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
SRcv CCGT-Gas		266	231	239	459	688	1000	1182	1198	1227	1475	1404	1429	1358	1045	1035	1286	1321	1279	964	445	442	402	252	229
SRcv OCGT-Gas		100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	198	71	71	79	68	149
SRcv 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
Syncon		625	726	726	726	726	575	726	726	726	726	726	726	726	575	726	726	625	625	625	625	625	625	625	625
Hydro		112	104	128	127	145	217	127	122	129	87	115	120	101	252	134	120	218	134	84	35	166	56	39	128
S.Reserve Total		1187	1049	1081	1403	1648	1877	2292	2407	2498	2729	2698	2685	2606	2317	2335	2391	2244	2058	1691	1339	1173	1151	984	1053