

Availability At Daily Maximum Demand Hour

ST-Coal	2,190 MW
ST-Gas	0 MW
ST-Oil	70 MW
Gas	3,684 MW
Hydro	1,805 MW
Distillate	0 MW
Total TNB	7,749 MW
Total IPP	10,641 MW
Total Co-Gen	49 MW
System Total	18,439 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 20:30	
TNB Generation	4,664 MW
IPP Generation	8,167 MW
Total Set On Bus	13,933 MW
Maximum Demand	13,070 MW
Spinning Reserve	1,053 MW
Net Energy	280,633 MWH
Load Factor	89.5 %

Maximum Demand Record

Date :	13/05/2013	16,562.0MW
Date :	14/05/2013	344,423.0MWH

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	12892	12440	12003	11504	10994	10779	10776	10446	9892	10407	11075	11526	11813	11680	11922	12065	11913	11742	11518	11751	12915	13024	12930	12765

Gas Usage

Station	(mmscfd)
CBPS	28
GLGR	30
PAKA	134
PGPS	33
SRDG	1
TJGS	106
TNB Total	331
KLPP	96
MPSS	49
PGLA	105
PKLG	57
PLPS	100
SGB3	35
SGRI	129
SKSP	50
YPGS	35
YPKA	62
IPP Total	718
Total Gas	1,049

Total Gas Required : 1,128
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
PGPS	14
PKLG	65
Total	79

Generation Mix

Type	MWh	Percentage
ST-Coal	49,443.00	17.62 %
ST-Oil	1,327.00	0.47 %
Gas	42,480.00	15.14 %
Hydro	8,344.00	2.97 %
Total TNB	101,594.0	36.20 %
ST-Coal	75,311.0	26.84 %
ST-Gas	5,432.0	1.94 %
ST-Oil	6,387.0	2.28 %
Gas	85,231.0	30.37 %
Total IPP	172,361.0	61.42 %
Co-Gen	1,240.0	0.44 %
Total Co-Gen	1,240.0	0.44 %
Total Generation	275,195.0	98.06 %
PLTG	-4,743.0	-1.69 %
HVDC	-695.0	-0.25 %
Interconnection	-5,438.0	-1.94 %
Net Energy	280,633.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	465
Hydro	130
Syncon	536
Thermal	160
Total	1290

	Weather	Temperature
Morning	Sunny	25
Afternoon	Hot	35

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																										
Total Co-Gen	48	45	45	46	48	48	47	49	51	51	49	51	52	52	50	51	51	49	48	48	47	45	44	40	40	40	40	40	39	41	39	38	38	38	40	40	39	45	47	50	49	53	51	49	51	51	52			
Total Gen	12652	12432	12213	11979	11735	11407	11290	11176	10818	10676	10577	10650	10685	10376	10299	9874	9715	9975	10177	10430	10964	11229	11429	11623	11652	11564	11483	11543	11645	11795	11909	11732	11765	11721	11582	11403	11366	11354	11490	12421	12697	12880	12857	12794	12675	12593	12591	12546		
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	0
TIE-HVDC	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-30	-28	-31	-28	-28	-29	-29	-28	-28	-28	-30	-28	-28	-29	-28	-30	-28	-30	-30	-29			
TIE-PLTG	-211	-211	-198	-269	-239	-223	-275	-188	-147	-222	-172	-223	-142	-280	-118	-210	-148	-193	-201	-243	-182	-248	-68	-162	-132	-137	-168	-183	-247	-121	-125	-74	-120	-138	-131	-248	-124	-192	-231	-186	-190	-161	-139	-224	-227	-188	-144	-212		
Interconnection	-240	-240	-227	-298	-268	-252	-304	-217	-176	-252	-202	-252	-171	-309	-147	-239	-177	-222	-230	-272	-211	-277	-97	-191	-161	-166	-197	-211	-277	-149	-156	-102	-148	-167	-160	-276	-152	-220	-261	-214	-218	-190	-167	-254	-255	-218	-174	-241		
System Total	12892	12672	12440	12277	12003	11659	11504	11393	10994	10928	10779	10902	10776	10685	10446	10113	9892	10197	10407	10702	11075	11506	11526	11814	11813	11730	11680	11754	11922	11944	12065	11834	11913	11888	11742	11679	11518	11554	11751	12635	12915	13070	13024	13048	12930	12811	12765	12787		
SRev ST-Coal	149	148	142	156	152	148	154	152	147	146	144	144	144	141	149	307	325	305	236	143	199	144	165	144	148	152	150	143	143	150	148	222	206	217	211	217	218	229	213	219	214	216	217	215	209	211	213	142		
SRev 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	0	0	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 ST-Oil	19	18	19	18	15	13	13	12	12	13	13	13	13	12	12	13	13	13	13	12	12	13	13	17	19	31	34	33	33	33	33	32	32	33	31	11	11	10	12	14	12	13	11	12	11	17	20			
SRev CCGT-Gas	289	279	268	246	478	804	964	1021	1355	1503	1594	1530	1595	1854	1900	2033	2084	1859	1829	1760	1274	1072	888	689	763	876	917	795	808	631	514	772	743	815	1040	1312	1417	1416	1257	513	267	108	110	128	281	368	204	299		
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	474	625	539	539	625	474	625	625	625	474	474	474	625	731	731	731	731	731	731	580	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	882	731	625	474	625	474	625	625		
Hydro	124	114	302	101	204	202	156	282	160	160	164	159	293	268	293	263	187	177	171	176	193	307	120	180	179	107	136	94	89	102	143	281	147	136	149	87	143	77	113	114	143	243	132	171	331	176	182	203		
S.Reserve Total	1206	1184	1205	1146	1393	1711	1917	1946	2304	2452	2545	2476	2524	2754	2833	3246	3340	3085	2988	2828	2409	2115	1917	1757	1838	1885	1965	1797	1804	1647	1569	1888	1859	1931	2164	2378	2521	2464	2475	1589	1263	1053	1097	1150	1307	1391	1241	1289		