

Availability At Daily Maximum Demand Hour

ST-Coal	2,190 MW
ST-Gas	0 MW
ST-Oil	70 MW
Gas	3,830 MW
Hydro	1,827 MW
Distillate	0 MW
Total TNB	7,917 MW
Total IPP	9,835 MW
Total Co-Gen	50 MW
System Total	17,802 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 21:00	
TNB Generation	5,527 MW
IPP Generation	7,799 MW
Total Set On Bus	14,296 MW
Maximum Demand	13,568 MW
Spinning Reserve	920 MW
Net Energy	300,389 MWH
Load Factor	92.2 %

Maximum Demand Record

Date :	13/05/2013	16,562.0 MW
Date :	14/05/2013	344,423.0 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	13542	13090	12604	12200	11904	11475	11385	11273	10873	11795	12325	12759	12881	12654	12871	13050	13063	12959	12483	12522	13451	13568	13163	12954

Gas Usage

Station	(mmscfd)
CBPS	59
GLGR	31
PAKA	175
PGPS	42
SRDG	19
TJGS	106
TNB Total	433
KLPP	95
MPSS	56
PDPS	3
PGLA	98
PKLG	37
PLPS	121
PTEK	3
SGB3	69
SGRI	147
SKSP	55
YPKA	59
IPP Total	745
Total Gas	1,178
Total Gas Required :	1,289
Gas Calorific Value :	38.500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	13
PGLA	11
PGPS	22
PKLG	65
Total	112

Generation Mix

Type	MWh	Percentage
ST-Coal	48,654.00	16.20 %
ST-Oil	1,317.00	0.44 %
Gas	54,266.00	18.07 %
Hydro	14,777.00	4.92 %
Distillate	979.00	0.33 %
Total TNB	119,993.0	39.95 %
ST-Coal	70,031.0	23.31 %
ST-Gas	3,102.0	1.03 %
ST-Oil	6,432.0	2.14 %
Gas	92,125.0	30.67 %
Distillate	3,076.0	1.02 %
Total IPP	174,766.0	58.18 %
Co-Gen	1,317.0	0.44 %
Total Co-Gen	1,317.0	0.44 %
Total Generation	296,076.0	98.56 %
PLTG	-5,011.0	-1.67 %
EGAT	-24.0	-0.01 %
HVDC	722.0	0.24 %
Interconnection	-4,313.0	-1.44 %
Net Energy	300,389.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	188
Hydro	152
Syncon	449
Thermal	32
Total	821

	Weather	Temperature
Morning	Sunny	25
Afternoon	Hot	36

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
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
TMGR	HY01	-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	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	30	40	82	30	31	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY04	27	34	42	77	-1	-1	29	34	32	33	29	32	31	36	30	33	34	39	37	32	40	32	30	
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
UPIA	HY02	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		538	571	701	658	521	524	534	524	493	523	488	507	489	550	493	401	396	554	526	502	533	519	609	
KLPP	GT13	128	129	128	130	129	130	130	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KLPP	GT14	124	123	124	124	124	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KLPP	GT15	135	136	135	135	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PGLA	GT11	216	216	221	211	219	221	221	220	221	169	171	0	0	0	0	0	0	0	0	0	0	0	0	
PGPS	GT3A	88	88	90	86	87	88	87	89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PGPS	GT3B	88	88	90	86	88	88	88	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PGPS	ST3C	84	84	85	83	84	83	84	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGB3	GT31	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGRI	GT12	128	128	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Distillate		1089	992	938	855	757	680	610	506	221	169	171	0	0	0	0	0	0	0	0	0	0	0	0	
PCUF	CUFG	21	19	18	19	19	19	19	18	18	19	20	20	19	20	21	21	18	18	18	17	18	18	17	
PCUF	CUFK	30	29	29	31	29	31	29	30	29	28	28	29	30	29	29	29	24	28	28	28	28	27	27	
Total Co-Gen		51	48	47	50	48	50	48	49	47	46	47	49	50	48	49	49	50	50	42	46	46	46	45	
Total Gen		13403	13147	12839	12640	12371	12373	12038	11945	11786	11600	11326	11320	11282	11363	11121	10872	10679	11219	11630	11703	12088	12568	12596	
TIE-EGAT		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
TIE-HVDC		30	30	30	30	30	30	30	30	31	31	30	30	30	30	31	31	30	30	30	30	29	29	30	
TIE-PLTG		-168	-237	-280	-90	-262	-228	-191	-152	-147	-209	-179	-181	-132	-262	-182	-223	-223	-195	-194	-200	-296	-198	-193	
Interconnection		-139	-208	-251	-61	-233	-199	-162	-123	-118	-179	-149	-152	-103	-232	-152	-194	-194	-166	-165	-171	-267	-168	-163	
System Total		13542	13355	13090	12701	12604	12572	12200	12068	11904	11779	11475	11472	11385	11595	11273	11066	10873	11385	11795	11874	12325	12736	12759	
SRev ST-Coal		7	16	6	2	42	49	42	45	63	47	46	48	46	44	47	52	45	52	48	50	47	10	11	
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	
SRev ST-Oil		18	18	19	18	19	20	21	19	17	12	12	14	13	14	14	12	12	12	13	13	13	18	20	
SRev CCGT-Gas		315	473	229	354	241	216	592	559	779	967	1188	1272	1303	1284	1473	1772	1974	1569	1128	1034	716	194	245	
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	
SRev Distillate		141	98	152	95	193	130	60	164	9	61	59	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	
Syncon		625	539	388	388	625	625	539	539	539	539	539	539	388	539	539	539	625	625	625	625	625	625	625	
Hydro		186	189	210	253	115	112	188	113	144	114	149	130	148	238	144	236	241	234	111	135	103	117	207	
S.Reserve Total		1292	1333	1004	1110	1235	1152	1442	1439	1551	1740	1993	2003	2049	1968	2217	2611	2811	2255	1838	1771	1504	959	1106	