

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,514 MW
Hydro	1,550 MW
Distillate	0 MW
Total TNB	7,204 MW
Total IPP	11,045 MW
Total Co-Gen	66 MW
System Total	18,315 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 20:30	
TNB Generation	4,988 MW
IPP Generation	9,008 MW
Total Set On Bus	14,843 MW
Maximum Demand	13,972 MW
Spinning Reserve	781 MW
Net Energy	307,439 MWH
Load Factor	91.7 %

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	13484	12752	12360	11958	11722	11301	11275	11132	10856	12031	13068	13772	13617	13407	13615	13626	13713	13214	12808	12776	13908	13784	13631	13354

Gas Usage

Station	(mmscfd)
CBPS	5
GLGR	17
PAKA	125
PGPS	52
SRDG	21
TJGS	104
TNB Total	324
KLPP	109
MPSS	55
PGLA	102
PKLG	59
PLPS	114
SGB3	36
SGRI	222
YPGS	34
YPKA	105
IPP Total	837
Total Gas	1,161
Total Gas Required :	1,161
Gas Calorific Value :	38,500

Generation Mix

Type	MWh	Percentage
ST-Coal	49,614.00	16.14 %
Gas	41,070.00	13.36 %
Hydro	15,397.00	5.01 %
Total TNB	106,081.0	34.50 %
ST-Coal	94,366.0	30.69 %
ST-Gas	5,525.0	1.80 %
Gas	101,676.0	33.07 %
Total IPP	201,567.0	65.56 %
Co-Gen	1,603.0	0.52 %
Total Co-Gen	1,603.0	0.52 %
Total Generation	309,251.0	100.59 %
PLTG	686.0	0.22 %
HVDC	1,126.0	0.37 %
Interconnection	1,812.0	0.59 %
Net Energy	307,439.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	270
Hydro	106
Syncon	281
Thermal	198
Total	856

Weather Temperature

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																								
PCUF	CUFG	48	48	47	47	48	48	50	48	49	49	48	48	48	48	47	47	47	47	45	46	45	47	46	46	46	47	48	49	49	48	48	48	49	47														
PCUF	CUFK	15	15	15	14	16	17	17	16	14	16	15	17	16	15	13	10	11	10	10	10	10	9	10	11	11	10	11	12	13	14	16	18	17	17	19	19	19	17	18	18	18							
Total Co-Gen		63	63	62	61	64	65	67	64	63	65	63	67	65	64	65	66	66	65	64	63	61	58	60	57	58	57	56	58	58	55	57	57	60	60	62	64	64	65	66	68	67	65	66	67	65			
Total Gen		13532	13266	12864	12761	12429	12193	12032	11866	11812	11642	11403	11326	11354	11309	11269	10935	10815	11407	12094	12618	13155	13374	13715	13834	13716	13543	13435	13557	13639	13787	13694	13828	13825	13721	13312	13300	13077	12999	12830	13452	13965	14062	13878	13831	13644	13643	13387	13268
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	
TIE-HVDC		31	31	30	30	31	31	30	30	30	30	30	31	31	31	31	31	29	29	30	30	30	30	31	31	31	31	31	31	30	30	31	336	273	274	30	31	30	30	30	30	30	31	31	31	31	31		
TIE-PLTG		17	113	82	165	38	-1	44	61	60	-52	72	-9	49	9	106	23	-72	-7	32	18	58	-28	-87	-34	69	45	-3	50	-7	95	37	58	82	111	67	-1	-4	141	24	24	27	60	64	71	-18	-3	2	-79
Interconnection		48	144	112	195	69	30	74	91	90	-22	102	21	79	39	137	54	-41	24	63	49	87	1	-57	-4	99	75	28	81	24	126	68	89	112	141	98	335	269	415	54	55	57	90	94	101	13	28	33	-48
System Total		13484	13122	12752	12566	12360	12163	11958	11775	11722	11664	11301	11305	11275	11270	11132	10881	10856	11383	12031	12569	13068	13373	13772	13838	13617	13468	13407	13476	13615	13661	13626	13739	13713	13580	13214	12965	12808	12584	12776	13397	13908	13972	13784	13730	13631	13615	13354	13316
SRev	ST-Coal	215	216	212	215	227	203	229	229	224	206	215	205	218	243	217	222	205	214	286	280	281	283	284	284	297	291	230	275	240	184	115	218	206	209	218	220	220	231	217	224	239	218	218	217	196	216	203	204
SRev	ST-Gas	7	13	0	2	5	4	5	5	5	5	9	10	8	0	1	11	7	9	8	8	0	0	0	0	0	0	10	10	18	20	4	5	5	5	3	3	4	4	3	3	4	4	5	5	5	5	4	4
SRev	CCGT-Gas	260	157	223	164	240	359	393	547	634	822	1018	1145	1232	1448	1501	1682	1829	1230	841	435	161	162	161	196	251	260	308	332	303	362	413	373	368	393	541	577	531	595	758	397	316	325	318	294	304	287	308	295
SRev	OCGT-Gas	10	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	5	5	41	5	8	4	5	3	5	3	4	4	82	0	0	36	-11	-13	-13	107	106	8	22	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
Syncon		323	323	474	474	474	474	474	474	474	474	474	474	474	323	625	731	731	731	625	625	474	474	151	151	302	539	539	539	302	302	302	237	237	237	388	388	474	474	474	474	151	151	302	237	388	388	474	474
Hydro		182	182	131	128	157	154	150	162	136	139	167	157	158	272	165	208	113	96	110	115	166	90	115	198	168	193	207	55	105	99	131	105	114	198	305	280	192	147	178	111	159	96	116	94	140	137	135	81
S.Reserve Total		997	904	1040	983	1103	1194	1251	1417	1473	1646	1883	1991	2090	2286	2509	2854	2885	2280	1870	1463	1082	1009	711	835	1023	1288	1335	1216	976	971	1055	941	935	1045	1459	1472	1503	1451	1630	1245	858	781	946	954	1139	1041	1146	1058