

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,830 MW
Hydro	1,517 MW
Distillate	0 MW
Total TNB	7,487 MW
Total IPP	10,433 MW
Total Co-Gen	89 MW
System Total	18,009 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 20:30	
TNB Generation	4,737 MW
IPP Generation	7,708 MW
Total Set On Bus	13,490 MW
Maximum Demand	12,584 MW
Spinning Reserve	956 MW
Net Energy	267,181 MWH
Load Factor	88.5 %

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	12119	11519	11128	10772	10534	10591	10468	10090	9557	9947	10730	10798	11087	11075	11255	11209	11209	10984	11084	11468	12273	12488	12364	12397

Gas Usage

Station	(mmscfd)
GLGR	56
PAKA	141
PGPS	24
TJGS	109
TNB Total	331
KLPP	2
MPSS	27
PGLA	61
PKLG	74
PLPS	72
SGRI	177
YPGS	58
YPKA	88
IPP Total	560
Total Gas	890
Total Gas Required :	890
Gas Calorific Value :	38.500

Generation Mix

Type	MWh	Percentage
ST-Coal	48,769.00	18.25 %
Gas	42,837.00	16.03 %
Hydro	6,917.00	2.59 %
Total TNB	98,523.0	36.88 %
ST-Coal	96,072.0	35.96 %
ST-Gas	7,268.0	2.72 %
Gas	63,711.0	23.85 %
Total IPP	167,051.0	62.52 %
Co-Gen	2,263.0	0.85 %
Total Co-Gen	2,263.0	0.85 %
Total Generation	267,837.0	100.25 %
PLTG	-68.0	-0.03 %
HVDC	724.0	0.27 %
Interconnection	656.0	0.25 %
Net Energy	267,181.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	308
Hydro	99
Syncon	360
Thermal	162
Total	928

Weather Temperature

Weather	Temperature
Morning	Sunny 28
Afternoon	Hot 32

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	
PLPS	GT13	139	140	125	127	113	106	107	122	106	135	138	137	136	106	60	60	60	60	60	60	60	60	60	60	60
PLPS	ST18	146	143	142	140	136	132	133	140	132	143	144	141	145	135	128	96	94	93	94	93	128	124	129	131	135
TJGS	GT1A	227	227	228	228	228	207	177	138	139	137	197	195	193	194	142	139	140	141	189	226	223	223	223	223	225
TJGS	GT1B	223	223	223	222	222	200	170	135	134	134	191	188	188	189	135	135	134	183	222	220	220	222	220	220	220
TJGS	ST1C	256	259	259	259	259	256	211	185	180	180	221	221	221	221	184	184	184	184	207	254	258	258	258	258	
Total CCGT-Gas		5214	4993	4561	4522	4444	4162	4052	4091	3938	4177	4202	4181	4204	4119	3900	3648	3472	3478	3590	3707	4289	4183	4265	4391	4378
BSIA	HY02	11	11	11	11	11	12	12	11	12	12	11	12	11	11	11	11	12	12	11	12	12	11	12	11	
CEND	HY02	10	9	10	10	10	9	9	10	10	10	10	10	10	10	10	10	10	9	10	10	10	9	10	10	
CEND	HY03	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	
KNRG	HY01	20	17	21	20	20	18	23	24	21	24	22	22	23	18	15	14	23	24	22	21	18	27	23	24	
KNRG	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	
KNRG	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	
KNYR	HY01	-1	-1	101	101	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
KNYR	HY02	96	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNYR	HY04	61	54	70	60	56	57	79	101	68	101	79	60	92	54	49	45	70	81	71	58	53	102	66	101	
LPIA	HY01	17	17	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
MNOR	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
PGAU	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	
PGAU	HY02	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	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	
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	
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	
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	
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	HY02	-1	-1	78	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
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	
TMGR	HY04	32	31	74	35	33	32	39	39	35	41	37	35	38	31	25	23	35	39	37	33	29	44	37	38	
UPIA	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	
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	4	
Total Hydro		258	244	394	287	157	155	189	212	172	215	187	165	202	151	137	129	177	214	180	160	149	222	176	219	
PCUF	CUF6	50	49	50	50	50	51	50	50	51	50	49	50	50	50	48	49	49	49	47	47	46	46	44	45	
PCUF	CUFK	40	40	40	40	40	39	38	39	39	39	39	41	40	40	39	41	40	39	39	39	38	38	37	35	
Total Co-Gen		90	89	90	90	90	88	89	90	89	89	89	88	89	91	90	88	88	90	89	86	86	85	84	82	
Total Gen		12140	11894	11540	11337	11154	10857	10770	10720	10528	10591	10534	10487	10553	10407	10257	9913	9517	9798	9971	10173	10816	10742	10808	10981	
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		29	31	31	29	29	29	30	30	30	30	29	29	30	29	31	29	31	31	31	31	31	31	29	31	
TIE-PLTG		-8	95	-10	-13	-3	-52	-31	-72	-36	-4	-87	-12	55	72	138	98	-69	-47	-5	-23	55	-90	-21		
Interconnection		21	126	21	16	26	-23	-2	-42	-6	26	-57	18	85	101	167	128	-40	-16	24	8	86	-59	10		
System Total		12119	11768	11519	11321	11128	10880	10772	10762	10534	10565	10591	10469	10468	10306	10090	9785	9557	9814	9947	10165	10730	10801	10798		
SRev ST-Coal		142	153	147	149	141	141	148	252	256	308	226	234	228	232	393	476	592	512	457	359	255	269	251		
SRev ST-Gas		14	18	46	42	42	4	6	4	5	5	43	42	41	42	42	43	51	52	51	82	105	37	14		
SRev CCGT-Gas		280	371	353	392	470	718	828	789	942	703	678	699	676	761	980	1232	1408	1402	1290	1173	591	697	615		
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	
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	

Daily MW Generation On Sunday

14-Jul-2013

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																								
Syncon		575	575	388	323	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	474	302	302	453	453	453	453	453	388	474													
Hydro		130	144	81	253	131	133	99	76	116	73	101	123	86	137	151	139	112	226	109	129	140	67	113	77	222	105	92	198	73	87	78	81	83	88	107	114	129	125	217	177	116	103	117	142	208	177	290	279
S.Reserve Total		1148	1268	1022	1166	1366	1378	1663	1703	1901	1671	1630	1680	1613	1754	2148	2491	2651	2536	2404	2208	1564	1634	1512	1326	1246	1304	1225	1181	1136	1179	1150	1147	1182	1331	1425	1414	1434	1299	1712	1285	875	956	951	1023	1112	986	999	1089