

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,410 MW
Hydro	1,859 MW
Distillate	0 MW
Total TNB	6,719 MW
Total IPP	10,909 MW
Total Co-Gen	79 MW
System Total	17,707 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:00	
TNB Generation	5,771 MW
IPP Generation	9,608 MW
Total Set On Bus	16,125 MW
Maximum Demand	15,552 MW
Spinning Reserve	667 MW
Net Energy	320,825 MWH
Load Factor	86.0 %

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	12328	11576	11057	10778	10477	10478	10526	10952	11675	13559	14330	15163	15117	14830	15291	15492	15552	15243	13997	14132	14796	14628	14189	13721

Gas Usage

Station	(mmscfd)
CBPS	50
GLGR	65
PAKA	177
PGGS	2
PGPS	31
SRDG	27
TJGS	111
TNB Total	464
KLPP	107
MPSS	57
PDPS	40
PGLA	102
PKLG	93
PLPS	105
PTEK	48
SGB3	94
SGRI	213
SKSP	55
YPKA	115
IPP Total	1,030
Total Gas	1,494

Total Gas Required : 1,494
Gas Calorific Value : 38,500
Generation Mix

Type	MWh	Percentage
ST-Coal	33,115.00	10.32 %
Gas	56,247.00	17.53 %
Hydro	19,292.00	6.01 %
Total TNB	108,654.0	33.87 %
ST-Coal	81,942.0	25.54 %
ST-Gas	9,121.0	2.84 %
Gas	118,254.0	36.86 %
Total IPP	209,317.0	65.24 %
Co-Gen	1,968.0	0.61 %
Total Co-Gen	1,968.0	0.61 %
Total Generation	319,939.0	99.72 %
PLTG	-186.0	-0.06 %
HVDC	-700.0	-0.22 %
Interconnection	-886.0	-0.28 %
Net Energy	320,825.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	385
Hydro	188
Syncon	230
Thermal	119
Total	922

Weather Temperature

Weather	Temperature
Morning	Sunny 25
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																										
PGAU	HY01	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	110	109	109	110	81	87	-1	-1	-1	113	111	111	110	111	110	-1	-1	-1	-1															
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	114	83	-1	-1	-1	-1	115	113	113	113	114	113	113	111	-1	-1														
PGAU	HY03	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	-1	-1	146	112	-1	-1	-1	-1	113	112	112	113	113	112	113	111	114	-1	-1															
PGAU	HY04	-1	-1	-1	-1	-1	-1	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														
SIHY	HY01	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	49	49	30	30	30	30	0	0	0	0	30	49	49	49	49	49	49	0	0	0	0													
SIHY	HY02	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	30	30	30	0	0	0	0	0	30	50	50	50	50	50	50	0	0	0	0													
SIHY	HY03	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	30	30	30	0	0	0	0	0	30	50	50	50	50	50	50	0	0	0	0													
SYPS	HY01	25	25	25	25	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														
SYPS	HY02	25	25	25	25	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														
SYPS	HY03	24	24	24	24	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														
SYPS	HY04	25	25	25	25	25	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														
TMGR	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	0	0	0	0	0	0	0	0	0	0	0	0														
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81														
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1														
TMGR	HY04	33	38	34	35	33	32	31	36	36	32	37	34	36	39	38	35	36	79	79	79	78	78	78	78	78	79	40	59	61	77	77	76	76	53	37	36														
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	0	0	0	0	0	0	0	0	0	0	0	0														
UPIA	HY02	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6														
Total Hydro		731	654	634	456	255	223	223	222	227	228	223	230	226	229	233	359	353	541	879	872	874	846	963	1098	836	763	663	780	1078	1230	1254	1251	1726	1533	1284	573	577	580	1018	1557	1559	1518	1528	1346	1233	1221	1028	658		
PCUF	CUFG	43	42	43	44	45	46	46	45	46	44	44	44	44	43	43	42	42	43	41	42	42	42	40	41	42	40	41	42	41	40	42	43	45	44	42	43	43	41	40	41	42	42	43	43						
PCUF	CUFK	41	39	42	39	40	39	40	40	41	40	40	39	40	40	38	39	38	39	40	40	36	40	38	38	39	38	38	39	41	40	39	40	37	39	36	38	40	39	39	39	39	39	39	39	39	39				
Total Co-Gen		84	81	85	83	85	85	86	85	87	86	85	82	84	84	81	84	85	82	83	82	80	82	79	81	82	82	76	81	80	78	80	80	79	79	83	83	84	84	79	82	79	79	80	80	81	81	82	82		
Total Gen		12245	11757	11483	11382	11025	10869	10822	10593	10391	10507	10395	10521	10470	10678	10927	10798	11583	12697	13507	14153	14345	14723	15132	15250	15007	14911	14814	14940	15220	15434	15440	15498	15458	15486	15236	14595	14004	13848	14092	14921	14759	14823	14619	14416	14164	14069	13749	13532		
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		-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-28	-28	-30	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29			
TIE-PLTG		-54	-28	-64	-6	-3	12	73	62	-57	1	-53	-22	-27	6	4	-36	-63	-8	-23	28	43	-131	-1	-27	-80	-28	13	-125	-42	-52	-23	-11	-65	-23	23	97	36	13	-11	48	-8	81	20	-11	5	48	58	38		
Interconnection		-83	-87	-93	-35	-32	-17	44	33	-86	-29	-83	-51	-56	-23	-25	-65	-92	-37	-52	0	15	-161	-31	-57	-110	-57	-16	-154	-71	-81	-52	-40	-94	-52	-7	68	7	-16	-40	19	-37	52	-9	-41	-25	18	28	9		
System Total		12328	11814	11576	11417	11057	10886	10778	10560	10477	10536	10478	10572	10526	10701	10952	10863	11675	12734	13559	14153	14330	14884	15163	15307	15117	14968	14830	15094	15291	15515	15492	15538	15552	15538	15243	14527	13997	13864	14132	14992	14796	14771	14628	14457	14189	14051	13721	13523		
SRev ST-Coal		127	124	126	133	125	126	134	122	130	125	132	127	136	136	131	128	130	127	124	138	128	121	131	141	125	132	132	117	129	125	131	140	132	138	126	136	140	128	126	140	139	141	140	136	140	129	131	127		
SRev ST-Gas		0	0	0	0	0	0	29	30	31	32	34	37	68	71	69	74	32	31	36	39	7	4	2	-2	-1	-1	-7	-5	-2	-2	-1	-1	-1	-1	-1	-1	-2	-2	-2	-2	-2	-1	-1	-2	-2	-2	-2	-2		
SRev CCGT-Gas		214	539	415	329	495	618	658	910	1121	1036	1157	1060	1150	1093	1156	1452	945	729	471	334	302	224	192	214	218	236	265	274	280	308	354	284	398	495	781	571	453	451	685	402	557	505	579	543	521	615	321	252		
SRev OCGT-Gas		-6	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	625	575	726	726	575	726	726	726	726	726	726	726	726	726	726	474	323	323	323	474	474	625	625	625	625	474	323	474	474	0	0	302	625	625	625	0	0	0	0	0	0	0	0	0	0	0	0	
Hydro		142	69	68	196	66	73	75	69	68	73	66	70	67	63	142	148	212	180	186	183	212	180	240	166	114	214	182	285	134	108	111	109	303	251	83	79	77	264	280	278	319	319	301	264	275	167	45			
S.Reserve Total		1107	1362	1234	1233	1417	1548	1596	1716	2081	1991	2125	2018	2124	2095	2152	2522	2028	1579	1129	1167	1040	968	1010	1114	1173	1144	1270	1234	1203	927	1107	1049	667	990	1505	1460	1484	1423	1174	903	1062	1010	1037	1040	1074	1168	919	961		