

Availability At Daily Maximum Demand Hour

ST-Coal	2,070	MW
ST-Gas	70	MW
ST-Oil	0	MW
Gas	3,462	MW
Hydro	1,769	MW
Distillate	0	MW
Total TNB	7,371	MW
Total IPP	11,190	MW
Total Co-Gen	47	MW
System Total	18,608	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:00		
TNB Generation	5,174	MW
IPP Generation	10,091	MW
Total Set On Bus	16,402	MW
Maximum Demand	15,340	MW
Spinning Reserve	1,090	MW
Net Energy	324,364	MWH
Load Factor	88.1	%

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	13136	12578	11997	11593	11264	11155	11409	11438	11815	13478	14238	14711	14699	14461	15037	15278	15340	14906	13901	13567	14735	14688	14157	13827

Gas Usage

Station	(mmscfd)
CBPS	52
GLGR	31
PAKA	100
PGPS	27
SRDG	51
TJGS	110
TNB Total	371
KLPP	107
MPSS	50
PDPS	38
PGLA	55
PKLG	147
PLPS	117
PTEK	29
SGB3	38
SGRI	186
SKSP	59
YPKA	133
IPP Total	958
Total Gas	1,330
Total Gas Required :	1,330
Gas Calorific Value :	38.500

Generation Mix

Type	MWh	Percentage
ST-Coal	49,597.00	15.29 %
Gas	45,624.00	14.07 %
Hydro	12,470.00	3.84 %
Total TNB	107,691.0	33.20 %
ST-Coal	98,180.0	30.27 %
ST-Gas	11,366.0	3.50 %
Gas	104,896.0	32.34 %
Total IPP	214,442.0	66.11 %
Co-Gen	1,345.0	0.41 %
Total Co-Gen	1,345.0	0.41 %
Total Generation	323,478.0	99.73 %
PLTG	-190.0	-0.06 %
HVDC	-696.0	-0.21 %
Interconnection	-886.0	-0.27 %
Net Energy	324,364.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	254
Hydro	174
Syncon	409
Thermal	143
Total	980

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	
YPGS	ST10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YPKA	BLK1	371	371	369	369	369	369	371	371	369	369	369	370	370	369	369	369	367	367	365	365	364	364	362	362	363
YPKA	BLK2	378	378	376	376	375	375	375	378	378	376	376	376	376	373	373	371	371	370	370	372	371	371	369	369	369
PLPS	GT11	139	139	139	117	138	115	116	117	115	115	116	122	127	115	114	66	115	129	133	137	138	137	138	137	136
PLPS	GT12	144	144	143	122	143	119	120	119	118	119	118	124	130	117	117	69	119	129	136	142	142	142	142	139	118
PLPS	GT13	137	137	135	114	135	111	112	112	112	112	112	117	123	112	111	111	111	124	130	135	137	137	137	136	131
PLPS	ST18	209	210	211	200	211	199	197	197	197	198	200	201	209	200	198	167	198	201	208	210	211	210	210	207	198
SKSP	BLK1	339	343	344	344	351	345	346	345	345	346	343	346	346	344	352	345	346	346	341	341	332	337	347	340	339
TJGS	GT1A	225	225	223	225	225	228	224	227	169	174	177	175	177	175	179	178	228	229	232	231	229	226	227	223	226
TJGS	GT1B	223	223	220	224	224	224	222	223	166	174	173	169	170	170	171	172	223	226	230	230	227	227	226	223	223
TJGS	ST1C	256	256	256	256	256	256	256	222	207	207	207	207	207	232	255	255	258	258	258	258	258	258	258	258	258
Total CCGT-Gas		5922	5627	5409	5097	5071	4861	4811	4806	4503	4447	4443	4512	4669	4619	4570	4565	4999	5439	5652	5827	5821	5815	5828	5892	5935
Total OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55	592	753	1058	1436	1421	1417	1375	1326	1282
CBPS	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	74	79	100	98	101	94	76	70	86
PDPS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113	111	110	110	109	109	95	99	102	102
PDPS	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	115	112	110	110	110	96	98	103
PDPS	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111	110	110	108	108	100	99	103
PKLG	GT08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	100	100	100	100	100	100	100
PKLG	GT09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98	103	109	108	106	105	106	106
PTEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	108	106	103	103	103	102	104
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	112	108	108	108	107	108	107
PTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56	115	114	114	111	112	111	110
SRDG	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	107	76	87	98	99	99	85	73
SRDG	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	129	96	112	129	130	128	115	92
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	105	108	105	106	105	102	106	103
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55	126	125	128	127	128	126	124
Total OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55	592	753	1058	1436	1421	1417	1375	1326	1282
BSIA	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
BSIA	HY03	19	19	19	19	19	19	19	19	20	20	20	20	19	20	19	19	19	19	20	10	10	10	11	11	11
CEND	HY02	10	10	10	10	9	10	10	9	10	10	9	10	9	10	10	9	9	10	10	10	10	9	9	10	10
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
KNRG	HY01	36	36	36	20	22	21	22	21	19	21	22	23	23	21	21	20	18	20	19	21	23	22	22	20	19
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	22	0	0	0	0	0
KNYR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	99	96	99	99	99	98	98
KNYR	HY02	83	101	94	0	0	0	0	0	0	0	0	0	59	58	52	99	95	99	99	100	99	99	96	100	98
KNYR	HY03	0	60	98	66	99	76	81	70	60	71	67	100	100	94	61	84	57	92	68	97	97	98	97	97	82
KNYR	HY04	62	61	99	56	0	18	-1	-1	-1	-1	-1	99	98	-1	53	97	97	96	96	96	96	96	96	96	96
LPIA	HY01	22	22	22	22	22	22	22	22	24	25	24	23	22	22	22	22	22	22	22	23	23	23	22	21	21
MNOR	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	5	5	5	3
PGAU	HY01	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	111	-1	-1	-1	-1	-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	-1
PGAU	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	0
SIHY	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
SIHY	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	0
SIHY	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	0
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	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	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	0

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	-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	34	55	70	45	78	46	55	48	36	47	46	77	56	45	41	40	34	34	69	71	66	65	70	65	
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
Total Hydro		389	375	459	249	260	223	240	199	176	202	199	264	242	343	342	263	331	541	488	521	547	548	731	716	
PCUF	CUFG	23	23	22	22	23	22	22	23	22	24	22	22	23	24	22	22	23	23	23	22	23	23	22	24	22
PCUF	CUFK	29	29	28	29	29	29	27	29	30	29	28	30	27	26	30	29	29	29	27	27	27	27	27	27	27
Total Co-Gen		52	52	50	51	52	52	49	51	53	51	52	52	49	48	53	53	51	51	49	53	51	49	49	47	48
Total Gen		13050	12742	12602	12068	11927	11569	11528	11482	11173	11111	11114	11252	11390	11436	11393	11304	11850	12700	13448	13796	14172	14529	14723	14774	
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		-28	-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		-58	-30	53	-65	-41	-14	-36	-34	-62	-28	-12	-37	10	64	-16	50	64	44	-1	38	-37	69	40	-33	
Interconnection		-86	-59	24	-94	-70	-43	-65	-63	-91	-57	-41	-66	-19	35	-45	21	35	15	-30	9	-66	41	12	-62	
System Total		13136	12801	12578	12162	11997	11612	11593	11545	11264	11168	11155	11318	11409	11401	11438	11283	11815	12685	13478	13789	14238	14488	14711	14836	
SRev ST-Coal		143	148	148	156	146	138	140	141	139	153	146	141	146	145	145	143	145	154	157	182	150	146	139	156	
SRev ST-Gas		19	14	15	50	82	74	73	75	74	73	73	73	74	74	73	76	72	18	15	15	15	15	15	15	15
SRev CCGT-Gas		130	305	173	485	281	491	541	546	849	905	909	840	683	733	782	1027	823	503	290	175	181	187	214	170	
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
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
Syncon		474	625	625	625	625	625	575	726	726	726	726	726	726	474	625	625	625	625	625	474	625	625	625	625	
Hydro		159	122	38	148	37	174	207	97	120	94	97	32	54	205	155	133	266	56	109	76	201	199	76	91	
S.Reserve Total		925	1214	999	1544	1271	1502	1536	1585	1908	1951	1951	1812	1682	1631	1781	2102	1935	1485	1290	1203	1064	1165	1077	1069	