

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,639 MW
Hydro	1,732 MW
Distillate	0 MW
Total TNB	6,821 MW
Total IPP	10,248 MW
Total Co-Gen	45 MW
System Total	17,114 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 15:30

TNB Generation	5,301 MW
IPP Generation	9,900 MW
Total Set On Bus	16,181 MW
Maximum Demand	15,361 MW
Spinning Reserve	935 MW
Net Energy	313,166 MWH
Load Factor	84.9 %

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	11748	11169	10645	10301	10103	10097	10365	10553	11342	13285	14205	14888	14910	14587	15072	15314	15298	14859	13843	13690	14503	14320	13776	13381

Gas Usage

Station	(mmscfd)
CBPS	64
PAKA	123
PGPS	45
SRDG	88
TJGS	114
TNB Total	433
KLPP	97
MPSS	57
PDPS	49
PGLA	115
PKLG	80
PLPS	100
PTEK	46
SGRI	166
SKSP	54
YPGS	68
YPKA	98
IPP Total	929
Total Gas	1,362
Total Gas Required :	1,362
Gas Calorific Value :	38,500

Generation Mix

Type	MWh	Percentage
ST-Coal	32,729.00	10.45 %
Gas	52,047.00	16.62 %
Hydro	15,562.00	4.97 %
Total TNB	100,338.0	32.04 %
ST-Coal	97,206.0	31.04 %
ST-Gas	6,307.0	2.01 %
Gas	108,498.0	34.65 %
Total IPP	212,011.0	67.70 %
Co-Gen	1,101.0	0.35 %
Total Co-Gen	1,101.0	0.35 %
Total Generation	313,450.0	100.09 %
PLTG	424.0	0.14 %
EGAT	-3.0	0.00 %
HVDC	-137.0	-0.04 %
Interconnection	284.0	0.09 %
Net Energy	313,166.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	257
Hydro	157
Syncon	434
Thermal	125
Total	972

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	
YPGS	ST10	137	137	137	134	137	135	134	137	137	138	137	137	138	136	136	138	138	137	137	136	136	136	136	136	137
YPKA	BLK1	248	290	290	288	288	286	286	287	287	291	291	294	294	303	303	298	298	302	302	291	291	292	280	281	281
YPKA	BLK2	240	279	279	277	277	274	274	276	276	280	280	283	283	290	290	286	286	290	290	281	281	282	271	271	271
PLPS	GT11	137	106	105	56	64	65	67	66	65	66	67	65	66	66	67	65	65	113	136	135	136	141	140	139	
PLPS	GT12	142	109	60	59	0	0	0	0	0	0	0	0	52	145	143	144	142	141	141	141	140	140	140	140	
PLPS	GT13	140	110	110	60	60	60	60	60	60	60	60	60	60	105	140	140	140	140	140	140	140	140	140	140	
PLPS	ST18	211	193	174	134	95	97	97	96	98	97	97	95	96	117	101	101	167	200	212	213	212	214	215	212	
SKSP	BLK1	305	214	213	213	214	213	212	212	215	212	207	215	239	301	304	302	293	342	343	317	326	339	339	334	
TJGS	GT1A	227	227	230	229	227	229	229	230	227	227	231	228	228	231	228	228	228	228	225	225	225	225	225	225	
TJGS	GT1B	222	222	222	226	222	225	225	223	226	223	222	223	223	223	223	223	223	223	223	223	223	223	223	223	
TJGS	ST1C	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	
Total CCGT-Gas		5927	5402	5205	4950	4569	4549	4541	4563	4562	4569	4568	4586	4618	4883	4712	4737	5405	6219	6407	6440	6451	6474	6468	6451	
CBPS	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CBPS	GT04	49	116	116	113	115	52	0	0	0	0	0	0	0	0	0	0	56	113	112	112	113	0	0	0	
CBPS	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	112	108	108	108	108	75	76	110	
CBPS	GT06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123	123	123	125	123	124	125	124	
PDPS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86	110	110	109	110	108	108	109	
PDPS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	86	88	96	90	93	90	91	
PDPS	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86	86	95	89	92	89	91	109	
PDPS	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110	109	107	109	107	107	100	101	
PKLG	GT08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	100	100	100	100	100	100	100	
PTEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	105	105	103	105	106	87	75	102	
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91	107	107	108	108	90	80	103	
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113	111	111	112	113	112	86	69	
PTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	109	107	109	109	110	98	97	
SRDG	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	100	100	100	100	100	100	98	
SRDG	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	98	97	81	96	60	89	70	
SRDG	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77	123	123	128	110	128	91	98	
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	106	104	111	104	111	108	111	109	
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	128	127	128	127	126	127	127	126	
Total CCGT-Gas		49	116	116	113	115	52	0	0	0	0	0	0	0	17	502	1230	1462	1501	1686	1727	1647	1617	1524	1637	
BSIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	12	11	11	11	11	11	
BSIA	HY03	10	11	11	9	10	10	10	10	11	11	11	11	12	10	10	9	12	13	11	11	12	11	11	11	
CEND	HY01	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	
CEND	HY02	7	7	7	6	7	7	7	7	7	7	7	7	8	7	8	8	8	8	8	8	8	8	8	8	
CEND	HY03	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	
KNRG	HY02	36	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNRG	HY03	37	37	23	22	23	22	22	23	22	23	22	23	24	22	23	22	24	23	23	23	23	24	24	22	
KNYR	HY01	102	102	102	100	102	101	100	60	60	61	61	102	100	100	99	103	103	103	103	103	103	103	103	103	
KNYR	HY02	100	99	100	98	100	99	98	60	61	60	61	62	100	99	99	98	103	104	103	103	103	103	103	103	
KNYR	HY03	100	100	100	98	100	99	98	60	60	59	60	61	101	99	99	98	101	101	101	101	101	101	101	101	
LPIA	HY01	26	26	26	25	24	24	25	24	25	24	25	24	24	25	26	26	26	25	25	28	24	26	26	26	
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	6	6	6	6	6	6	6	6	6	
PGAU	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	
PGAU	HY02	-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	
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74	82	79	20	20	25	27		
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	50	50	50	50	50	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	30	50	50	43	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
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
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	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	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
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	32	35	27	34	29	27	30	32	30	33	35	36	30	29	29	26	40	40	33	36	77	77	77
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		471	469	423	404	419	410	424	293	296	293	299	325	424	412	413	435	405	438	560	506	551	769	933	890
PCUF	CUFG	31	31	31	31	32	31	32	31	30	31	31	31	32	32	31	30	29	28	28	27	28	28	27	28
PCUF	CUFK	14	15	15	15	15	15	16	15	16	16	15	15	16	16	15	16	17	18	17	18	16	16	17	18
Total Co-Gen		45	46	46	46	47	46	48	46	47	46	47	47	46	46	48	48	46	46	47	50	46	45	46	43
Total Gen		11791	11378	11166	10956	10650	10488	10388	10278	10177	10076	10070	10103	10342	10741	10594	10694	11427	12339	13175	13900	14225	14513	14934	15001
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	-29	-29	-29	-30	-29	-28	-30	-30	-28	-28	-30	-30	-30	-31	-29	-30	-28	-29	-29	-30	-28	-30	-30
TIE-PLTG		72	52	26	145	35	86	115	87	104	63	1	56	7	70	69	35	115	-102	-79	7	50	-86	77	-4
Interconnection		43	23	-3	116	5	57	87	57	74	35	-27	26	-23	42	41	5	85	-132	-110	-22	20	-114	46	-34
System Total		11748	11355	11169	10840	10645	10451	10301	10221	10103	10041	10097	10077	10365	10699	10553	10689	11342	12471	13285	13922	14205	14627	14888	15035
SRev ST-Coal		128	117	117	108	117	193	258	253	353	452	337	348	276	122	110	110	115	110	117	111	116	114	117	114
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	58	60	63	65	66	68	69	74	78	46	23
SRev CCGT-Gas		507	958	1224	1479	1650	1670	1678	1656	1657	1650	1651	1633	1601	1336	1507	1637	1099	385	237	203	180	157	163	180
SRev OCGT-Gas		-49	-116	-116	-113	-115	68	0	0	0	0	0	0	0	0	0	0	83	178	86	70	31	86	45	125
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
Syncon		625	625	625	625	625	474	625	625	625	625	474	625	625	474	625	625	474	474	474	474	474	625	625	625
Hydro		62	64	72	91	76	85	222	202	199	202	196	321	71	83	82	211	115	82	111	165	269	238	224	115
S.Reserve Total		1273	1648	1922	2190	2353	2641	2632	2736	2834	2929	2809	2776	2573	2166	2324	2490	2014	1348	1182	1105	1177	1083	1138	1157