

Availability At Daily Maximum Demand Hour

ST-Coal	1,380	MW
ST-Gas	70	MW
ST-Oil	0	MW
Gas	3,452	MW
Hydro	1,875	MW
Distillate	0	MW
Total TNB	6,777	MW
Total IPP	11,704	MW
Total Co-Gen	42	MW
System Total	18,523	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:00	
TNB Generation	4,642 MW
IPP Generation	11,066 MW
Total Set On Bus	16,732 MW
Maximum Demand	15,664 MW
Spinning Reserve	982 MW
Net Energy	333,262 MWH
Load Factor	88.6 %

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	13390	12832	12337	11989	11751	11575	11776	11718	12111	13871	14880	15519	15278	15090	15445	15611	15664	15367	14306	14182	15022	14821	14420	13914

Gas Usage

Station	(mmscfd)
CBPS	49
GLGR	19
PAKA	101
PGPS	58
SRDG	48
TJGS	112
TNB Total	388
KLPP	108
MPSS	58
PDPS	5
PGLA	99
PKLG	137
PLPS	121
PTEK	58
SGB3	98
SGRI	186
SKSP	56
YPGS	68
YPKA	33
IPP Total	1,026
Total Gas	1,413
Total Gas Required :	1,413
Gas Calorific Value :	38,500

Generation Mix

Type	MWh	Percentage
ST-Coal	32,224.00	9.67 %
ST-Gas	1,196.00	0.36 %
Gas	45,427.00	13.63 %
Hydro	16,190.00	4.86 %
Total TNB	95,037.0	28.52 %
ST-Coal	112,695.0	33.82 %
ST-Gas	11,877.0	3.56 %
Gas	113,956.0	34.19 %
Total IPP	238,528.0	71.57 %
Co-Gen	1,074.0	0.32 %
Total Co-Gen	1,074.0	0.32 %
Total Generation	334,639.0	100.41 %
PLTG	407.0	0.12 %
HVDC	970.0	0.29 %
Interconnection	1,377.0	0.41 %
Net Energy	333,262.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	253
Hydro	80
Syncon	519
Thermal	110
Total	962

	Weather	Temperature
Morning	Sunny	25
Afternoon	Hot	34

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	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	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
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
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	30	-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	36	38	37	31	37	37	34	36	34	40	29	73	78	28	29	37	33	33	75	67	77	77	73
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		695	675	681	643	607	624	624	620	622	617	608	588	633	646	584	569	597	586	747	626	660	931	979	895
PCUF	CUFG	29	29	30	29	30	29	29	29	29	31	30	30	29	31	30	29	29	28	28	26	25	24	25	26
PCUF	CUFK	18	16	18	17	18	17	15	17	17	17	16	17	15	16	15	16	16	16	16	16	16	17	17	17
Total Co-Gen		47	45	48	46	48	47	44	46	46	46	48	46	47	44	47	45	45	45	44	44	42	42	41	41
Total Gen		13557	13173	12947	12824	12529	12178	12050	11945	11692	11634	11538	11599	11798	11881	11857	11739	12117	13343	13948	14585	14919	15146	15534	15583
TIB-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
TIB-HVDC		31	31	31	31	31	31	29	29	30	30	30	30	30	31	29	29	30	30	31	31	30	31	31	30
TIB-PLTG		136	48	84	164	161	-63	30	-46	-88	-16	-67	-47	-8	-135	109	114	-24	151	48	-12	9	-33	-16	-6
Interconnection		167	79	115	195	192	-32	61	-15	-59	13	-37	-17	22	-105	139	144	6	182	77	17	39	-3	15	25
System Total		13390	13094	12832	12629	12337	12210	11989	11960	11751	11621	11575	11616	11776	11986	11718	11595	12111	13161	13871	14538	14880	15149	15519	15558
SRev ST-Coal		190	139	133	119	136	114	149	134	128	131	136	123	181	185	196	116	110	131	121	124	114	109	127	129
SRev ST-Gas		1	1	-1	1	1	85	76	75	75	75	75	75	76	75	75	75	83	15	11	2	2	1	1	2
SRev CCGT-Gas		381	574	247	342	436	673	652	756	1017	1067	1150	1083	806	694	646	1130	1364	523	387	210	271	223	233	237
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
Syncon		539	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625
Hydro		145	78	74	72	87	70	70	74	72	75	64	84	39	26	88	103	74	84	84	75	48	39	30	32
S.Reserve Total		1341	1417	1078	1159	1285	1567	1572	1664	1917	1973	2050	1990	1726	1606	1630	2049	2248	1446	1226	955	1273	1099	1083	1083