

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	70 MW
Gas	3,568 MW
Hydro	1,832 MW
Distillate	100 MW
Total TNB	6,950 MW
Total IPP	11,697 MW
Total Co-Gen	65 MW
System Total	18,712 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 15:00	
TNB Generation	4,747 MW
IPP Generation	10,468 MW
Total Set On Bus	16,415 MW
Maximum Demand	15,480 MW
Spinning Reserve	1,135 MW
Net Energy	330,342 MWH
Load Factor	88.9 %

Maximum Demand Record

Date :	16/04/2013	16,356.0MW
Date :	16/04/2013	338,800.0MWH

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	13952	13309	12712	12389	11985	11787	11813	11701	12205	13654	14570	15285	15207	14716	14873	15480	15424	14984	14031	13685	14717	14412	14206	13820

Gas Usage

Station	(mmscfd)
CBPS	56
GLGR	58
PAKA	94
PGPS	26
SRDG	23
TJGS	104
TNB Total	361
KLPP	110
MPSS	55
PDPS	2
PGLA	90
PKLG	4
PLPS	104
SGB3	50
SGRI	180
SKSP	21
YPGS	69
YPKA	70
IPP Total	754
Total Gas	1,115

Total Gas Required : 1,264
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
PGPS	24
PKLG	124
SGB3	0
Total	149

Generation Mix

Type	MWh	Percentage
ST-Coal	35,981.00	10.89 %
ST-Oil	1,247.00	0.38 %
Gas	45,372.00	13.73 %
Hydro	11,855.00	3.59 %
Distillate	899.00	0.27 %
Total TNB	95,354.0	28.87 %
ST-Coal	117,865.0	35.68 %
ST-Oil	12,176.0	3.69 %
Gas	97,736.0	29.59 %
Distillate	23.0	0.01 %
Total IPP	227,800.0	68.96 %
Co-Gen	1,796.0	0.54 %
Total Co-Gen	1,796.0	0.54 %
Total Generation	324,950.0	98.37 %
PLTG	-4,695.0	-1.42 %
HVDC	-697.0	-0.21 %
Interconnection	-5,392.0	-1.63 %
Net Energy	330,342.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	349
Hydro	117
Syncon	528
Thermal	33
Total	1027

Weather Temperature

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
SIHY	HY02	50	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	32	30	33	30	26	25	26	29	28	28	24	30	23	29	26	22	32	30	27	35	30	31	87	87
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	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	HY01	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		318	261	512	279	256	328	215	162	163	159	153	234	210	223	215	209	266	310	217	274	336	723	943	
PGPS	GT3A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUF8	43	33	34	35	35	35	35	33	35	35	34	34	35	36	36	35	33	35	35	35	35	35	35	34
PCUF	CUEK	5	5	6	8	29	35	36	37	36	34	35	34	35	35	35	35	36	36	35	32	34	30	31	30
Total Co-Gen		48	38	40	43	64	70	71	70	71	69	70	67	70	69	69	71	72	71	67	67	65	66	65	
Total Gen		13772	13170	13044	12716	12470	12412	12122	12039	11738	11682	11599	11616	11586	11801	11491	11470	12003	12836	13386	13951	14413	14717	14976	
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	-29	-29	-29	-29	-29	-30	-30	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-151	-144	-236	-203	-213	-199	-238	-234	-218	-256	-159	-242	-197	-168	-181	-136	-174	-134	-239	-204	-128	-107	-280	
Interconnection		-180	-173	-265	-232	-242	-228	-267	-263	-247	-285	-188	-271	-227	-198	-210	-165	-202	-162	-268	-233	-157	-136	-309	
System Total		13952	13343	13309	12948	12712	12640	12389	12302	11985	11967	11787	11887	11813	11999	11701	11638	12205	12998	13654	14184	14570	14853	15285	
SRev SI-Coal		62	19	30	27	12	42	15	18	22	24	23	20	19	39	32	19	13	12	8	21	22	17	15	
SRev SI-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 SI-Oil		12	15	15	14	14	13	13	20	21	20	20	20	21	19	19	19	11	11	10	5	15	15	15	15
SRev CCGT-Gas		353	763	918	1029	1287	1209	1249	1254	1556	1604	1682	1748	1753	1545	1855	2017	1768	1347	1071	552	381	277	236	
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 Distillate		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		727	727	425	576	727	576	727	727	727	727	727	626	626	626	626	626	626	626	626	626	626	626	626	626
Hydro		131	138	189	271	143	222	184	137	136	140	146	166	190	177	185	191	134	241	183	126	166	299	66	
S.Reserve Total		1285	1662	1577	1917	2183	2062	2188	2156	2462	2515	2598	2580	2609	2404	2717	2872	2552	2086	1898	1530	1229	1099	973	