

Availability At Daily Maximum Demand Hour

ST-Coal	1,380	MW
ST-Gas	70	MW
ST-Oil	0	MW
Gas	4,280	MW
Hydro	1,662	MW
Distillate	0	MW
Total TNB	7,392	MW
Total IPP	10,691	MW
Total Co-Gen	72	MW
System Total	18,155	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30

TNB Generation	5,727	MW
IPP Generation	10,035	MW
Total Set On Bus	16,740	MW
Maximum Demand	15,804	MW
Spinning Reserve	906	MW
Net Energy	332,358	MWH
Load Factor	87.6	%
Total Cost	62,337,513	RM
Cost per Unit	19.37	cents/kWH

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	13575	12979	12365	11982	11799	11668	11718	11798	12062	13553	14543	15272	15175	14822	15466	15731	15766	15378	14221	13775	14950	14892	14382	14124

Gas Usage

Station	(mmscfd)
CBPS	57
GLGR	64
PAKA	146
PGPS	43
SRDG	43
TJGS	219
TNB Total	572
KLPP	116
MPSS	57
PDPS	13
PGLA	110
PKLG	73
PLPS	67
PTEK	10
SGB3	59
SGRI	194
SKSP	55
YPGS	66
YPKA	131
IPP Total	951
Total Gas	1,522

Total Gas Required : 1,549
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	27
Total	27

Generation Mix

Type	MWh	Percentage
ST-Coal	32,671.00	9.83 %
Gas	73,743.00	22.19 %
Hydro	10,414.00	3.13 %
Total TNB	116,828.0	35.15 %
ST-Coal	89,441.0	26.91 %
ST-Gas	7,071.0	2.13 %
ST-Oil	2,613.0	0.79 %
Gas	114,402.0	34.42 %
Total IPP	213,527.0	64.25 %
Co-Gen	1,853.0	0.56 %
Total Co-Gen	1,853.0	0.56 %
Total Generation	332,208.0	99.95 %
PLTG	548.0	0.16 %
HVDC	-698.0	-0.21 %
Interconnection	-150.0	-0.05 %
Net Energy	332,358.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	331
Hydro	159
Syncon	429
Thermal	58
Total	977

	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
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
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	38	43	30	39	36	28	34	33	29	40	34	37	35	33	25	26	34	32	36	33	35	32	33
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Total Hydro		211	211	346	189	185	197	158	175	174	160	196	189	210	337	164	154	156	203	163	307	480	536	687	992
PCUF	CUFG	42	43	43	42	43	42	43	43	43	43	43	43	43	44	43	43	43	43	41	41	40	41	42	41
PCUF	CUFK	39	39	37	37	39	40	40	40	39	40	40	40	40	39	36	34	33	33	33	33	33	32	32	33
Total Co-Gen		81	82	80	79	82	82	83	83	82	83	83	81	83	84	83	83	83	80	77	74	74	73	73	72
Total Gen		13533	13071	12886	12661	12369	12436	11936	11752	11755	11591	11615	11483	11646	12072	11829	11648	12112	12952	13529	14120	14511	14955	15248	15378
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	-29	-29	-29	-29	-29	-28	-28	-29	-30	-30	-29
TIE-PLTG		-13	-85	-64	28	33	27	-17	-45	-15	15	-24	-21	-42	46	60	45	79	4	5	47	-3	38	5	27
Interconnection		-42	-114	-93	-1	4	-2	-46	-74	-44	-14	-53	-50	-72	16	31	16	50	-25	-24	18	-32	9	-24	-2
System Total		13575	13185	12979	12662	12365	12438	11982	11826	11799	11605	11668	11533	11718	12056	11798	11632	12062	12977	13553	14102	14543	14946	15272	15380
SRev ST-Coal		47	55	59	107	82	54	57	55	71	67	64	73	50	57	67	77	27	67	64	72	67	45	25	11
SRev ST-Gas		-1	7	35	34	34	37	37	37	37	37	37	37	37	37	40	42	16	3	24	4	-1	-1	-1	-1
SRev ST-Oil		38	38	38	38	38	38	38	38	37	37	37	37	37	38	41	44	6	3	3	3	3	44	41	42
SRev CCGT-Gas		255	490	388	466	785	768	1226	1429	1408	1563	1578	1693	1574	1266	1329	1490	1164	931	660	448	435	269	250	394
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	136	103	10	117	80	77
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		581	732	581	581	732	732	732	732	732	732	732	732	732	430	732	732	732	626	732	732	626	626	173	324
Hydro		228	77	93	250	103	91	130	113	114	128	92	99	78	253	124	134	132	191	125	191	124	143	117	265
S.Reserve Total		1148	1399	1194	1476	1774	1720	2220	2404	2399	2564	2540	2671	2508	2080	2326	2508	2136	1901	1603	1449	1415	1193	1030	1003