

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,655 MW
Hydro	1,517 MW
Distillate	0 MW
Total TNB	7,312 MW
Total IPP	10,211 MW
Total Co-Gen	78 MW
System Total	17,601 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30	
TNB Generation	5,759 MW
IPP Generation	9,295 MW
Total Set On Bus	16,041 MW
Maximum Demand	15,201 MW
Spinning Reserve	909 MW
Net Energy	317,137 MWH
Load Factor	86.9 %

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	12534	11927	11540	11326	11076	11173	11152	11092	11725	13392	14220	14747	14743	14343	14982	15013	14893	14428	13660	13470	13838	14075	13773	13323

Gas Usage

Station	(mmscfd)
CBPS	12
GLGR	57
PAKA	154
PGPS	42
SRDG	50
TJGS	107
TNB Total	422
KLPP	4
MPSS	38
PDPS	30
PGLA	109
PKLG	137
PLPS	98
PTEK	19
SGRI	204
YPGS	69
YPKA	133
IPP Total	842
Total Gas	1,264

Total Gas Required : 1,264
Gas Calorific Value : 38,500

Generation Mix

Type	MWh	Percentage
ST-Coal	49,652.00	15.66 %
Gas	51,602.00	16.27 %
Hydro	10,343.00	3.26 %
Total TNB	111,597.0	35.19 %
ST-Coal	99,263.0	31.30 %
ST-Gas	10,626.0	3.35 %
Gas	93,051.0	29.34 %
Total IPP	202,940.0	63.99 %
Co-Gen	2,173.0	0.69 %
Total Co-Gen	2,173.0	0.69 %
Total Generation	316,710.0	99.87 %
PLTG	271.0	0.09 %
HVDC	-698.0	-0.22 %
Interconnection	-427.0	-0.13 %
Net Energy	317,137.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	191
Hydro	191
Syncon	411
Thermal	143
Total	935

	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
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	29	30	31	33	34	31	34	38	35	33	33	36	40	38	31	30	46	42	79	32	45	78	78	78
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	6	5	5	6	6	6	6	6	6	6	6	5	5	5
Total Hydro		305	314	171	169	176	165	187	237	193	251	221	180	204	280	177	153	228	415	506	355	428	661	781	871
PCUF	CUFG	52	51	51	50	51	50	52	51	51	52	50	55	51	50	52	52	55	50	52	49	51	52	51	51
PCUF	CUFK	39	38	39	40	38	38	39	41	39	38	39	37	39	37	38	38	39	38	37	38	37	36	34	34
Total Co-Gen		91	89	90	90	89	88	91	92	90	90	89	92	90	87	90	90	88	89	87	88	88	85	85	85
Total Gen		12564	12254	11900	11619	11498	11280	11260	11036	10980	11181	11161	11062	11145	11292	11164	11133	11668	12736	13372	13878	14207	14581	14760	14912
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		-30	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30
TIE-PLTG		60	70	2	-24	-13	2	-37	-48	-67	27	18	-67	22	24	101	33	-28	34	9	74	16	71	42	5
Interconnection		30	41	-27	-53	-42	-27	-66	-77	-96	-3	-12	-96	-7	-5	72	4	-87	5	-20	45	-13	42	13	-23
System Total		12534	12213	11927	11672	11540	11307	11326	11113	11076	11184	11173	11158	11152	11297	11092	11129	11725	12731	13392	13833	14220	14539	14747	14935
SRev ST-Coal		148	149	144	147	179	142	152	139	144	136	142	151	146	136	147	136	149	135	154	146	155	141	141	144
SRev ST-Gas		81	71	71	72	72	71	71	71	71	72	72	75	47	27	17	14	7	7	7	7	8	6	6	15
SRev CCGT-Gas		250	313	540	810	795	1148	1178	1466	1469	1338	1319	1375	1316	1255	1271	1282	918	384	183	104	86	95	103	107
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	201	29	63	164	101	54
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	726	726	726	726	575	726	625	625	726	726	474	575	726	726	625	323	625	625	539	453	453	539
Hydro		183	174	216	118	111	122	100	201	94	137	167	107	83	259	261	134	59	73	284	133	60	163	249	159
S.Reserve Total		1287	1332	1697	1873	1883	2209	2227	2452	2504	2308	2325	2430	2342	2195	2325	2350	1924	1292	1192	1064	1006	1116	1054	924