

Availability At Daily Maximum Demand Hour

ST-Coal	2,070	MW
ST-Gas	70	MW
ST-Oil	0	MW
Gas	3,341	MW
Hydro	1,602	MW
Distillate	0	MW
Total TNB	7,083	MW
Total IPP	10,609	MW
Total Co-Gen	77	MW
System Total	17,769	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 20:30		
TNB Generation	4,985	MW
IPP Generation	8,689	MW
Total Set On Bus	14,713	MW
Maximum Demand	13,872	MW
Spinning Reserve	962	MW
Net Energy	304,040	MWH
Load Factor	91.3	%

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	13058	12631	12048	11559	11409	11515	11354	11099	10837	12104	12884	13429	13433	13159	13399	13550	13528	13160	12795	12770	13484	13749	13494	13254

Gas Usage

Station	(mmscfd)
GLGR	58
PAKA	112
PGPS	32
SRDG	34
TJGS	111
TNB Total	347
KLPP	120
MPSS	56
PDPS	9
PGLA	69
PKLG	23
PLPS	60
PTEK	30
SGB3	37
SGRI	177
YPGS	68
YPKA	132
IPP Total	783
Total Gas	1,130

Total Gas Required : 1,130
Gas Calorific Value : 38.500

Generation Mix

Type	MWh	Percentage
ST-Coal	49,602.00	16.31 %
Gas	43,309.00	14.24 %
Hydro	16,658.00	5.48 %
Total TNB	109,569.0	36.04 %
ST-Coal	91,834.0	30.20 %
ST-Gas	158.0	0.05 %
Gas	99,556.0	32.74 %
Total IPP	191,548.0	63.00 %
Co-Gen	2,133.0	0.70 %
Total Co-Gen	2,133.0	0.70 %
Total Generation	303,250.0	99.74 %
PLTG	-93.0	-0.03 %
HVDC	-697.0	-0.23 %
Interconnection	-790.0	-0.26 %
Net Energy	304,040.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	349
Hydro	168
Syncon	226
Thermal	113
Total	855

	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																										
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																										
UPLA	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		284	305	316	296	239	182	220	207	157	196	200	182	220	294	183	239	221	452	821	935	1042	1097	1130	1153	1193	1056	1056	1061	1120	1229	1147	1060	1033	969	850	776	638	577	479	502	690	1030	989	992	860	946	993	1107		
PCUF	CUFG	54	53	51	54	53	55	51	54	53	55	53	52	55	54	53	54	54	54	53	53	54	52	54	53	52	54	53	48	49	50	50	52	53	52	53	54	54	53	53	52	54	52	53	53	54	52	51	51		
PCUF	CUFK	32	33	31	33	35	33	33	34	33	34	32	32	34	33	34	33	33	33	33	30	31	30	30	29	28	29	28	28	27	28	27	27	27	27	27	28	26	27	28	25	27	26	25	26	29	27	27	28	29	
Total Co-Gen		86	86	82	87	88	88	84	88	86	89	85	84	89	87	87	87	87	87	86	83	85	82	84	82	80	83	81	76	76	78	77	79	80	79	81	80	81	81	78	79	80	77	79	82	81	79	79	80		
Total Gen		13022	12843	12586	12382	12077	11861	11535	11490	11424	11454	11521	11211	11248	11258	11095	10693	10824	11391	12049	12482	12837	13282	13367	13475	13421	13214	13170	13192	13365	13520	13540	13535	13548	13398	13186	12941	12855	12692	12762	13089	13408	13751	13658	13681	13540	13467	13305	13376		
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	0	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	-28	-28	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		3	11	-16	-11	58	83	4	-79	44	17	35	-1	-77	-80	25	-48	17	-36	-25	73	-18	-6	-33	-88	18	-77	41	-26	-6	-50	19	-4	49	7	55	-77	89	50	21	20	-47	-92	-62	-27	75	-87	79	-78		
Interconnection		-26	-18	-45	-40	29	54	-24	-107	15	-12	6	-30	-106	-109	-4	-77	-13	-66	-55	44	-47	-35	-62	-118	-12	-107	11	-54	-34	-79	-10	-33	20	-22	26	-106	60	21	-8	-9	-76	-121	-91	-56	46	-115	51	-109		
System Total		13058	12861	12631	12422	12048	11807	11559	11597	11409	11466	11515	11241	11354	11367	11099	10770	10837	11457	12104	12438	12884	13317	13429	13593	13433	13321	13159	13246	13399	13599	13550	13568	13528	13420	13160	13047	12795	12671	12770	13098	13484	13872	13749	13737	13494	13582	13254	13385		
SRev ST-Coal		135	151	123	54	146	133	159	157	105	102	32	128	122	119	128	103	127	126	172	172	174	124	134	124	126	126	134	131	121	139	123	124	141	134	136	128	132	127	116	136	126	136	188	172	127	134	134	136		
SRev ST-Gas		37	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 CCGT-Gas		412	342	425	299	456	457	708	776	842	857	860	1179	1191	1256	1299	1782	1609	1274	845	522	431	229	283	232	349	392	425	406	301	302	332	301	272	335	314	288	302	396	465	324	279	264	268	266	314	251	256	195		
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	0	0	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	0	0	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	474	625	625	625	726	726	726	726	726	575	726	575	726	726	575	726	726	575	474	237	151	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	
Hydro		121	251	89	109	166	122	84	97	147	108	104	273	84	161	121	65	234	204	192	249	141	136	128	105	90	177	177	172	138	54	136	223	401	365	484	407	394	134	232	369	206	318	359	356	438	352	306	192		
S.Reserve Total		1415	1315	1347	1087	1393	1438	1677	1756	1820	1793	1722	2155	2123	2111	2274	2676	2545	2078	1446	1094	1127	989	1051	941	1018	1111	1153	1126	978	850	1039	1046	1064	1083	1181	1295	1272	1310	1477	1451	1158	962	1057	1037	1127	980	934	859		