

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	4,109 MW
Hydro	1,854 MW
Distillate	0 MW
Total TNB	7,413 MW
Total IPP	11,880 MW
Total Co-Gen	58 MW
System Total	19,351 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30	
TNB Generation	4,832 MW
IPP Generation	9,324 MW
Total Set On Bus	15,328 MW
Maximum Demand	14,275 MW
Spinning Reserve	1,114 MW
Net Energy	306,296 MWH
Load Factor	89.4 %

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	12854	12188	11807	11383	11132	11084	10938	10951	11365	12822	13717	14216	13923	13655	14052	14143	14136	13702	12811	12569	13188	13380	13028	12761

Gas Usage

Station	(mmscfd)
CBPS	58
GLGR	58
PAKA	37
PGPS	42
SRDG	22
TJGS	112
TNB Total	329
KLPP	103
MPSS	61
PGLA	116
PKLG	49
PLPS	94
SGB3	33
SGRI	187
SKSP	52
YPGS	18
YPKA	132
IPP Total	846
Total Gas	1,175
Total Gas Required :	1,175
Gas Calorific Value :	38.500

Generation Mix

Type	MWh	Percentage
ST-Coal	33,120.00	10.81 %
Gas	41,538.00	13.56 %
Hydro	19,932.00	6.51 %
Total TNB	94,590.0	30.88 %
ST-Coal	99,604.0	32.52 %
ST-Gas	4,797.0	1.57 %
ST-Oil	184.0	0.06 %
Gas	104,444.0	34.10 %
Total IPP	209,029.0	68.24 %
Co-Gen	1,598.0	0.52 %
Total Co-Gen	1,598.0	0.52 %
Total Generation	305,217.0	99.65 %
PLTG	-382.0	-0.12 %
HVDC	-697.0	-0.23 %
Interconnection	-1,079.0	-0.35 %
Net Energy	306,296.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	335
Hydro	177
Syncon	249
Thermal	202
Total	963

	Weather	Temperature
Morning	Sunny	27
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	HY04	64	40	41	39	0	0	0	0	0	0	0	0	0	0	54	60	77	75	77	77	57	58	62	60	58	62	0	0	77	77	77	0	0	0	0	77	77	77	0	0	0	0										
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	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		843	689	661	661	612	633	621	580	616	625	619	616	609	575	563	587	588	594	928	1006	1225	1373	1414	1399	1255	1017	953	1228	1080	1226	1050	1059	1093	1104	1124	1001	564	400	335	723	766	972	925	910	798	813	608	508				
PCUF	CUFG	48	33	34	34	33	33	32	33	33	32	33	33	32	33	34	34	33	32	33	26	30	33	34	33	33	33	34	32	33	32	34	35	33	33	32	31	34	33	33	33	31	34	33	33	31	30	29	30				
PCUF	CUFK	30	28	28	28	29	29	30	31	32	32	34	33	33	32	34	34	33	34	30	30	30	29	29	26	25	24	24	25	24	24	24	24	25	24	26	26	25	26	25	25	26	27	29	27	30	29	30	30				
Total Co-Gen		78	61	62	62	62	63	63	65	66	66	66	64	67	67	67	68	63	62	63	61	63	59	57	57	50	55	57	58	57	57	57	59	56	59	58	59	61	58	58	58	58	63	60	63	62	61	61					
Total Gen		12755	12366	12121	11922	11686	11393	11326	11173	10983	11031	10996	10989	10965	10938	10905	10744	11289	11965	12840	13215	13658	14054	14147	14192	13974	13782	13555	13909	14003	14219	14071	14089	14130	14007	13699	13322	12833	12609	12515	12971	13182	13431	13327	13205	13033	13002	12688	12357				
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	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-28	-28	-29	-28	-30	-28	-30	-30	-28	-28	-28	-28			
TIE-PLTG		-74	-89	-37	-84	-92	-90	-28	-32	-120	-65	-59	10	56	7	-17	-48	-46	-63	47	-14	-31	8	-40	-38	80	8	-72	-17	-21	-32	-48	-29	19	-8	23	42	47	9	-29	101	19	-58	-28	-11	30	26	-45	-13				
Interconnection		-103	-119	-67	-114	-121	-119	-57	-61	-149	-94	-88	-19	27	-22	-46	-78	-76	-92	18	-43	-60	-21	-69	-67	51	-20	-100	-46	-50	-61	-77	-58	-10	-38	-7	13	18	-20	-58	73	-9	-87	-56	-41	2	-4	-75	-41				
System Total		12858	12485	12188	12036	11807	11512	11383	11234	11132	11125	11084	11008	10938	10960	10951	10822	11365	12057	12822	13258	13718	14075	14216	14259	13923	13802	13655	13955	14053	14280	14148	14147	14140	14045	13706	13309	12815	12629	12573	12898	13191	13518	13383	13246	13031	13006	12763	12398				
SRev ST-Coal		206	200	213	209	216	218	211	205	209	209	208	210	212	209	209	237	239	232	234	234	236	225	213	221	214	218	210	208	214	207	221	207	207	208	211	208	193	192	203	203	203	203	203	203	203	203	203	203	203	203		
SRev ST-Gas		16	16	14	16	15	16	42	41	39	37	37	37	37	37	37	37	37	37	43	16	14	2	2	14	16	16	12	12	12	12	12	13	13	27	3	3	3	2	2	2	2	2	2	25	32	27	0	0	0	0		
SRev ST-Oil		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	0	0
SRev CCGT-Gas		401	481	529	517	695	985	1013	1128	1326	1248	1278	1284	1301	1294	1320	1504	1104	657	578	524	333	326	272	261	394	365	529	367	413	298	300	318	313	399	534	565	518	572	611	520	364	317	354	379	354	279	308	387	387	387		
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	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	0	0
Syncon		388	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	388	388	86	86	237	237	237	388	388	237	237	237	388	388	302	302	302	302	388	575	575	453	453	302	302	302	453	453	625	625	625	625		
Hydro		206	236	264	264	228	207	219	260	224	215	221	224	231	221	233	209	208	212	281	181	264	366	175	190	334	235	148	222	323	315	155	46	182	181	161	234	350	227	192	126	83	113	160	175	51	36	69	109	109			
S.Reserve Total		1217	1407	1494	1480	1628	1920	1959	2108	2272	2183	2218	2229	2255	2235	2270	2432	2031	1590	1504	1319	917	1006	908	936	1221	1242	1309	1134	1259	1109	1136	1013	1059	1192	1263	1314	1467	1590	1587	1322	1109	941	1049	1099	1093	961	1194	1324	1324			