

Availability At Daily Maximum Demand Hour

ST-Coal	2,070	MW
ST-Gas	70	MW
ST-Oil	0	MW
Gas	3,937	MW
Hydro	1,445	MW
Distillate	0	MW
Total TNB	7,522	MW
Total IPP	10,283	MW
Total Co-Gen	56	MW
System Total	17,861	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 15:30		
TNB Generation	6,270	MW
IPP Generation	9,230	MW
Total Set On Bus	16,701	MW
Maximum Demand	15,546	MW
Spinning Reserve	1,145	MW
Net Energy	326,153	MWH
Load Factor	87.4	%

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	13168	12503	12275	11758	11439	11562	11515	11412	11836	13444	14477	15135	15134	14712	14817	15541	15538	15362	14124	13752	14831	14657	13954	13886

Gas Usage

Station	(mmscfd)
CBPS	85
GLGR	34
PAKA	161
PGGS	7
PGPS	59
SRDG	73
TJGS	101
TNB Total	520
KLPP	112
MPSS	54
PDPS	54
PGLA	108
PKLG	75
PLPS	110
PTEK	43
SGB3	35
SGRI	213
YPGS	34
YPKA	93
IPP Total	933
Total Gas	1,453

Total Gas Required : 1,453
Gas Calorific Value : 38,500

Generation Mix

Type	MWh	Percentage
ST-Coal	49,654.00	15.22 %
ST-Gas	710.00	0.22 %
Gas	61,038.00	18.71 %
Hydro	12,396.00	3.80 %
Total TNB	123,798.0	37.96 %
ST-Coal	86,381.0	26.48 %
ST-Gas	5,656.0	1.73 %
Gas	109,196.0	33.48 %
Total IPP	201,233.0	61.70 %
Co-Gen	1,776.0	0.54 %
Total Co-Gen	1,776.0	0.54 %
Total Generation	326,807.0	100.20 %
PLTG	-73.0	-0.02 %
HVDC	727.0	0.22 %
Interconnection	654.0	0.20 %
Net Energy	326,153.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	340
Hydro	122
Syncon	346
Thermal	188
Total	996

Weather Temperature

	Weather	Temperature
Morning	Sunny	27
Afternoon	Hot	37

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																										
KNYR	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																										
LPIA	HY01	21	23	18	19	20	22	24	26	25	28	26	26	26	24	26	25	23	24	25	24	23	23	25	25	24	22	21	23	25	23	23	24																		
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																	
PGAU	HY01	-1	-1	-1	-1	24	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																	
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																	
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	20	21	92	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	16	16	16	16	25	25	25	25	25	16	0	0	0	0	0	0	0																
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	16	16	16	16	25	25	25	25	16	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	25	25	16	16	16	16	25	25	25	25	16	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	24	24	16	16	16	16	24	24	24	24	16	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	20	51	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	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	0	0	0	0	0	0	0	0	0	0	0															
TMGR	HY04	31	35	36	38	39	34	36	36	33	35	38	36	34	39	33	34	37	33	32	38	39	43	80	50	49	36	35	37	37	41	69	67	64	78	30	32	36	79	79	33	34	33	39	35	40					
UPIA	HY01	6	6	0	0	2	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	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		362	381	390	415	455	435	410	383	302	314	287	347	342	355	313	255	332	479	477	513	514	523	650	668	602	555	555	557	560	600	962	842	827	782	781	432	435	430	410	424	734	627	597	505	505	771	602	614		
PCUF	CUFG	48	49	50	49	48	48	49	48	49	50	48	47	48	49	49	47	49	48	48	48	48	47	48	48	48	47	48	48	49	48	48	48	48	49	47	48	48	48	49	49	49	50								
PCUF	CUFK	37	37	35	35	35	36	35	36	33	35	36	38	36	36	35	36	35	35	27	9	8	8	9	7	7	8	8	8	9	8	9	8	12	14	15	15	16	16	16	16	16	16	15	15	15	15	16			
Total Co-Gen		85	86	85	84	83	83	85	83	85	83	83	86	85	84	84	85	82	84	75	57	56	56	57	55	54	56	56	56	56	56	56	56	55	59	62	63	64	64	64	64	65	63	64	63	64	64	66			
Total Gen		13221	13057	12503	12259	12197	12001	11790	11642	11512	11351	11534	11408	11595	11741	11556	11431	11894	12903	13480	14127	14512	14755	15119	15205	15148	14784	14687	14757	14851	15151	15596	15556	15559	15534	15388	14781	14130	13799	13741	14326	14769	14821	14770	14483	14109	14162	13973	13757		
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		
TIE-HVDC		30	30	30	30	30	30	30	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
TIE-PLTG		23	-6	-30	-71	-108	16	2	-11	43	26	-59	50	50	-55	114	86	28	67	6	9	4	-40	-46	-68	-16	-43	-55	41	-1	-100	25	-20	-9	33	-4	63	-24	-39	-41	-110	-93	41	83	43	125	0	56	72		
Interconnection		53	24	0	-41	-78	46	32	19	73	56	-28	81	80	-25	144	116	58	97	36	39	35	-9	-16	-38	14	-13	-25	71	34	-70	55	10	21	64	26	93	6	-9	-11	-80	-62	72	113	73	155	30	87	103		
System Total		13168	13033	12503	12300	12275	11955	11758	11623	11439	11295	11562	11527	11515	11766	11412	11315	11836	12806	13444	14098	14477	14764	15135	15243	15134	14797	14712	14696	14817	15221	15541	15546	15538	15470	15362	14688	14124	13808	13752	14406	14831	14749	14657	14360	13954	14132	13886	13654		
SRev ST-Coal		198	208	184	217	197	204	215	202	212	208	201	203	200	193	202	200	207	206	205	202	210	209	205	207	204	207	197	202	200	210	204	217	206	214	200	199	185	191	206	197	207	214	203	212	206					
SRev ST-Gas		10	4	8	9	10	11	11	10	10	10	10	10	10	9	12	15	15	16	14	16	15	21	20	19	18	88	43	43	42	41	4	4	4	5	4	4	4	4	4	4	5	5	5	5	3	9	11	7		
SRev CCGT-Gas		403	256	828	1162	1282	1450	1627	1760	1801	1976	1773	1957	1941	1843	1834	1912	1540	955	625	264	232	227	240	234	216	232	229	239	245	247	253	247	249	251	234	255	369	736	761	213	192	200	209	205	192	200	198	248		
SRev OCGT-Gas		33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	112	232	191	65	48	100	109	318	410	339	325	73	209	137	106	143	296	245	424	448	462	166	57	103	125	135	151	54	65	35	
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	625	625	625	474	625	625	625	474	474	625	625	625	474	474	388	388	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	
Hydro		92	73	79	74	205	81	131	158	390	273	149	89	199	315	204	156	78	75	77	202	201	192	151	83	63	110	110	108	108	68	179	255	120	165	80	98	94	99	119	105	197	153	137	129	129	165	183	171		
S.Reserve Total		1361	1166	1724	2087	2168	2371	2609	2755	2887	2941	2758	2884	2975	2816	2877	3014	2571	1897	1662	1384	1319	1185	1049	1034	1089	1427	1473	1407	1401	1100	998	1145	991	1070	1219	1282	1579	1961	2019	1146	814	990	1147	1153	1151	803	992	990		