

Availability At Daily Maximum Demand Hour

ST-Coal	1,380	MW
ST-Gas	70	MW
ST-Oil	0	MW
Gas	3,067	MW
Hydro	1,789	MW
Distillate	300	MW
Total TNB	6,606	MW
Total IPP	10,139	MW
Total Co-Gen	50	MW
System Total	16,795	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30	
TNB Generation	5,750 MW
IPP Generation	9,753 MW
Total Set On Bus	16,716 MW
Maximum Demand	15,542 MW
Spinning Reserve	1,163 MW
Net Energy	326,211 MWH
Load Factor	87.5 %

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	13269	12535	12143	11772	11442	11339	11419	11533	11995	13698	14631	15154	15289	14787	15346	15427	15342	15028	14088	14134	14670	14208	13779	13126

Gas Usage

Station	(mmscfd)
CBPS	88
GLGR	32
PAKA	102
PGGS	15
PGPS	13
SRDG	76
TJGS	133
TNB Total	458
KLPP	114
MPSS	57
PDPS	25
PGLA	114
PKLG	29
PLPS	121
PTEK	41
SGB3	68
SGRI	151
SKSP	56
YPKA	133
IPP Total	910
Total Gas	1,368
Total Gas Required :	1,686
Gas Calorific Value :	38,500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	3
PDPS	34
PGPS	37
PKLG	138
SGB3	36
SGRI	71
Total	319

Generation Mix

Type	MWh	Percentage
ST-Coal	33,099.00	10.15 %
Gas	53,996.00	16.55 %
Hydro	18,384.00	5.64 %
Distillate	4,596.00	1.41 %
Total TNB	110,075.0	33.74 %
ST-Coal	70,175.0	21.51 %
ST-Oil	13,615.0	4.17 %
Gas	115,084.0	35.28 %
Distillate	16,782.0	5.14 %
Total IPP	215,656.0	66.11 %
Co-Gen	1,402.0	0.43 %
Total Co-Gen	1,402.0	0.43 %
Total Generation	327,133.0	100.28 %
PLTG	200.0	0.06 %
HVDC	722.0	0.22 %
Interconnection	922.0	0.28 %
Net Energy	326,211.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	369
Hydro	183
Syncon	338
Thermal	96
Total	986

	Weather	Temperature
Morning	Sunny	26
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																																		
PGAU	HY04	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	74	80	80	79	80	80	0	0	0	0	0	0	0	0	0	0	0	0	0	80	79	0	0	0	0																		
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	49	50																
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	50	50	50	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	50													
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45	50													
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	0	0	17	25	25	25	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	16	25	25	25	0	0	25	25	25	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	16	24	24	24	0	0	0	24	24	25	0	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	16	25	25	25	0	0	0	25	25	25	0	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	79	79	6	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	65	58	57	76	76	78	34	78	79	79	79	79	79	33	31	31	35	72	65	70	67	69	67	72	63	67	67	72	63	67	67	72	63	67									
TMGR	HY03	79	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	66	57	59	79	79	35	76	77	78	79	75	79	76	78	-1	-1	-1	-1	71	65	69	68	68	68	68	68	68	68	68	68	68	68	68	68	68								
TMGR	HY04	76	76	76	77	34	32	34	30	31	38	35	29	37	41	41	35	36	39	34	42	64	57	57	76	76	76	77	76	77	76	35	32	33	35	69	63	67	65	67	65	67	65	67	65	67	65	67	65	67									
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	5	5	5								
Total Hydro		799	625	535	530	551	436	441	430	433	451	503	479	509	519	537	499	537	550	541	657	975	1095	1213	1270	1214	947	736	872	970	1133	1133	1080	1037	940	990	560	550	554	565	903	1005	894	969	1056	950	913	916	917										
KLPP	GT14	121	121	121	121	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
PDPS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	106	106	106	106	106	106	106	106	106	106	106	105	105	106	106	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105		
PDPS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	106	106	106	106	106	106	106	106	106	106	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	
PDPS	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	105	104	104	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	
PGPS	GT3A	88	89	89	88	89	90	88	88	88	89	89	88	89	89	89	89	88	88	88	88	88	88	88	88	88	88	88	87	88	88	88	88	87	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
PGPS	GT3B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	88	88	87	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
PGPS	ST3C	83	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86	87	87	86	83	84	84	83	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	
SGB3	GT31	124	124	124	124	124	125	125	125	125	125	124	124	125	125	124	124	124	124	123	123	122	122	122	122	122	122	121	121	122	122	122	122	122	122	123	123	123	123	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	
SGRI	GT11	129	129	129	129	129	128	128	128	128	128	127	127	128	128	128	127	127	127	127	127	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126		
SGRI	GT23	123	123	123	123	123	122	122	122	122	123	123	122	122	123	123	123	122	122	122	122	122	121	121	120	120	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	
Total Distillate		668	670	586	585	499	465	463	463	463	465	465	461	462	466	464	464	463	463	463	462	462	460	461	458	452	946	946	947	948	945	947	948	947	943	941	941	942	898	932	940	855	922	867	865	848	891	635	622										
PCUF	CUFG	25	24	25	23	24	26	24	24	25	24	25	25	24	24	24	24	24	24	24	24	24	25	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24				
PCUF	CUFK	28	28	29	29	30	30	29	30	30	30	29	29	31	29	29	30	29	29	29	27	26	26	26	26	25	24	26	24	23	25	26	24	24	26	27	27	31	31	31	31	32	33	33	32	32	32	32	32	31	32	31	32	31					
Total Co-Gen		53	52	54	52	54	56	53	54	55	54	54	56	53	53	55	56	54	53	53	51	51	50	50	50	50	48	50	48	48	50</																												

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																							
S.Reserve Total	997	1116	1136	1195	1189	1468	1578	1674	1971	1971	2131	2197	2042	1830	2170	2299	1791	1466	1300	1191	982	1202	1211	911	1060	1255	1412	1160	1115	1163	1172	1175	1148	1228	1059	1177	1394	1495	1449	1310	1245	1148	1178	1040	1155	1077	1141	1020