

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,711 MW
Hydro	1,517 MW
Distillate	0 MW
Total TNB	7,368 MW
Total IPP	10,331 MW
Total Co-Gen	77 MW
System Total	17,776 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30

TNB Generation	5,511 MW
IPP Generation	9,590 MW
Total Set On Bus	16,068 MW
Maximum Demand	15,177 MW
Spinning Reserve	890 MW
Net Energy	318,405 MWH
Load Factor	87.4 %

Maximum Demand Record

Date :	13/05/2013	16,562.0MW
Date :	25/06/2013	345,254.0MWH

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	12728	11799	11534	11256	10987	11236	11232	11140	11573	13355	14201	14816	14723	14517	14935	15073	15132	14655	13871	13653	14083	14375	14001	13451

Gas Usage

Station	(mmscfd)
CBPS	2
GLGR	57
PAKA	166
PGPS	44
SRDG	54
TJGS	105
TNB Total	428
KLPP	10
MPSS	55
PDPS	25
PGLA	106
PKLG	128
PLPS	97
PTEK	18
SGB3	25
SGRI	173
YPGS	70
YPKA	133
IPP Total	840
Total Gas	1,268

Total Gas Required : 1,268
Gas Calorific Value : 38,500

Generation Mix

Type	MWh	Percentage
ST-Coal	49,615.00	15.58 %
Gas	52,475.00	16.48 %
Hydro	10,939.00	3.44 %
Total TNB	113,029.0	35.50 %
ST-Coal	99,070.0	31.11 %
ST-Gas	10,740.0	3.37 %
Gas	92,914.0	29.18 %
Total IPP	202,724.0	63.67 %
Co-Gen	2,054.0	0.65 %
Total Co-Gen	2,054.0	0.65 %
Total Generation	317,807.0	99.81 %
PLTG	101.0	0.03 %
HVDC	-699.0	-0.22 %
Interconnection	-598.0	-0.19 %
Net Energy	318,405.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	185
Hydro	152
Syncon	414
Thermal	134
Total	884

Weather Temperature

Weather	Temperature
Morning	Sunny 27
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																								
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	24	24	24	16	0	0	24	24	24	16	16	14	0	0	0	0	0	0	0	0	24	24	24	0	0	0							
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	16	0	0	25	25	25	16	16	16	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0							
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	75	85	85	83	-1	-1	38	36	85	84	85	85	33	-1	-1	-1	-1	-1	-1	76	83	77	79	-1	-1	-1	-1						
TMGR	HY03	29	31	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	35	82	82	82	82	81	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					
TMGR	HY04	33	34	29	31	32	33	28	34	29	34	36	27	32	31	28	34	40	43	34	39	39	79	78	78	78	39	39	78	78	78	34	36	35	37	41	41	73	78	74	76	31	34	26	35				
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5				
Total Hydro		381	408	298	311	247	281	193	208	233	283	300	184	406	384	234	184	218	324	391	437	414	631	797	803	750	463	418	455	671	952	841	824	824	625	413	438	426	443	449	450	604	696	759	693	506	435	214	188
PCUF	CUFG	50	52	49	51	51	53	52	53	52	50	52	50	51	51	52	52	51	51	50	50	51	53	51	52	51	51	51	52	51	51	51	52	53	50	51	51	53	50	51	51	53	52	53	52	50	50		
PCUF	CUFK	29	27	28	29	28	28	29	29	28	29	28	29	29	29	27	28	27	26	27	26	26	26	26	26	26	25	25	26	25	24	26	25	26	25	26	23	24	28	30	32	31	39	40	41	38	37	37	
Total Co-Gen		79	79	77	80	79	79	82	81	81	81	78	82	79	80	79	81	81	77	79	78	78	79	77	77	76	77	77	76	77	76	76	77	76	77	75	76	81	80	83	82	92	92	94	90	87			
Total Gen		12723	12247	11832	11739	11510	11405	11260	11076	11010	11083	11179	11020	11190	11286	11177	11157	11467	12638	13334	13820	14126	14518	14790	14853	14746	14469	14466	14597	14888	15178	15121	15159	15137	14908	14689	14184	13848	13662	13590	13717	14014	14315	14373	14246	13974	13862	13533	13260
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	
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-30	-30	-30	-30	-29	-29	-30	-30	-29	-29	-28	-28	-29	-29	-29	-28	-28	-29	-29	-30	-30	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		24	68	62	37	6	-12	34	-78	52	-51	-28	9	-13	16	67	-17	-75	-108	8	5	-45	19	4	-19	52	33	-21	-6	-18	30	77	30	33	7	63	-53	6	-31	-35	-121	-40	-95	28	-5	2	-22	112	61
Interconnection		-5	39	33	8	-23	-41	5	-107	23	-80	-57	-20	-42	-13	38	-47	-105	-137	-21	-25	-75	-11	-26	-48	23	3	-51	-35	-47	1	48	2	5	-22	34	-82	-23	-59	-63	-150	-69	-125	-2	-34	-27	-51	83	32
System Total		12728	12208	11799	11731	11533	11446	11255	11183	10987	11133	11236	11040	11232	11299	11139	11204	11572	12775	13355	13845	14201	14529	14816	14901	14723	14466	14517	14632	14935	15177	15073	15157	15132	14930	14655	14266	13871	13721	13653	13867	14083	14440	14375	14280	14001	13913	13450	13228
SRev ST-Coal		144	144	186	138	149	144	144	140	144	143	139	131	147	145	153	142	135	138	141	141	157	155	149	145	153	150	137	141	149	150	142	138	139	139	147	140	141	134	204	160	139	128	113	132	126	124	141	125
SRev ST-Gas		78	77	77	77	77	77	77	77	77	77	77	78	78	77	77	77	82	36	18	18	7	9	7	7	7	7	9	9	7	7	9	13	13	13	7	5	7	6	6	6	6	6	6	6	6	8	8	6
SRev CCGT-Gas		313	592	758	832	979	1117	1227	1486	1581	1580	1472	1539	1715	1593	1545	1527	1472	576	101	72	97	109	121	121	116	118	123	132	138	151	163	137	142	151	155	106	156	335	328	489	277	128	115	61	179	145	235	559
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89	56	50	78	83	36	87	75	42	45	71	49	107	86	100	123	133	171	50	82	71	5	35	1	30	136	38	38	59	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
Syncon		539	388	625	625	726	726	726	625	625	625	726	625	625	726	726	625	625	474	625	539	388	388	539	625	625	539	625	539	302	302	302	302	302	453	625	625	625	625	625	539	539	539	539	625	474	489	726	
Hydro		193	317	190	177	140	106	94	79	155	105	88	103	82	104	153	103	69	64	97	202	74	43	222	216	118	100	70	119	283	229	264	281	291	289	85	60	72	55	49	48	130	82	119	185	92	214	320	109
S.Reserve Total		1267	1518	1836	1849	2071	2170	2368	2608	2682	2630	2501	2676	2646	2545	2655	2575	2479	1480	1135	981	1021	942	970	915	1020	1075	1004	985	1103	890	985	951	983	1168	1158	1115	1051	1236	1284	1333	1126	922	922	1059	1066	1003	1252	1325