

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	2,884 MW
Hydro	1,858 MW
Distillate	624 MW
Total TNB	7,576 MW
Total IPP	10,156 MW
Total Co-Gen	48 MW
System Total	17,780 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 15:00	
TNB Generation	6,213 MW
IPP Generation	9,526 MW
Total Set On Bus	16,840 MW
Maximum Demand	15,805 MW
Spinning Reserve	1,053 MW
Net Energy	328,283 MWH
Load Factor	86.5 %

Maximum Demand Record

Date :	19/03/2013	16,133.0 MW
Date :	20/03/2013	333,019.0 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	13069	12448	12092	11708	11375	11298	11482	11525	12002	13710	14740	15376	15362	14917	15616	15805	15739	15237	14035	13956	14700	14547	14120	13690

Gas Usage

Station	(mmscfd)
CBPS	46
GLGR	56
PAKA	107
PGPS	41
SRDG	30
TJGS	104
TNB Total	385
KLPP	91
MPSS	55
PGLA	107
PKLG	6
PLPS	107
SGRI	197
SKSP	36
YPGS	34
YPKA	120
IPP Total	752
Total Gas	1,137

Total Gas Required : 1,375
Gas Calorific Value : 38,500

Alternate Fuel Usage

Station	(mmscfd)
CBPS	19
KLPP	2
PDPS	32
PGLA	2
PGPS	14
PKLG	129
PTEK	12
SGRI	2
SRDG	25
Total	238

Generation Mix

Type	MWh	Percentage
ST-Coal	49,678.00	15.13 %
ST-Oil	1,347.00	0.41 %
Gas	47,597.00	14.50 %
Hydro	16,244.00	4.95 %
Distillate	4,141.00	1.26 %
Total TNB	119,007.0	36.25 %
ST-Coal	91,717.0	27.94 %
ST-Oil	12,624.0	3.85 %
Gas	97,898.0	29.82 %
Distillate	4,813.0	1.47 %
Total IPP	207,052.0	63.07 %
Co-Gen	1,436.0	0.44 %
Total Co-Gen	1,436.0	0.44 %
Total Generation	327,495.0	99.76 %
PLTG	-89.0	-0.03 %
HVDC	-699.0	-0.21 %
Interconnection	-788.0	-0.24 %
Net Energy	328,283.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	284
Hydro	178
Syncon	451
Thermal	57
Total	970

Weather Temperature

Weather	Temperature
Morning	Cloudy 25
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
CBPS	GT06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	GT15	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	0	0	0	0	0	0	0	0
PDPS	GT02	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	GT03	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	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGLA	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	26	25	25	25	25	25	25	24	24	25	24	25	25	24	24	25	26	24	24	25	24	23	24	25
PCUF	CUFK	32	33	33	33	32	33	34	35	34	34	34	35	35	34	35	35	32	30	28	28	29	27	26	25
Total Co-Gen		58	58	58	58	57	58	59	60	59	58	58	59	59	60	58	60	60	60	60	56	54	52	53	53
Total Gen		13040	12800	12419	12348	12122	11854	11695	11498	11320	11394	11269	11342	11502	11581	11573	11347	11823	12952	13659	14251	14629	14903	15273	15394
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
TIE-HVDC		-30	-30	-29	-29	-28	-28	-29	-29	-29	-28	-28	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-30
TIE-PLTG		1	13	0	45	58	-47	16	34	-26	29	-1	-39	49	57	78	-61	-149	-35	-22	-11	-82	-99	-74	
Interconnection		-29	-17	-29	16	30	-75	-13	5	-55	0	-29	-67	20	28	48	-91	-179	-65	-51	-40	-111	-128	-103	
System Total		13069	12817	12448	12332	12092	11929	11708	11493	11375	11394	11298	11409	11482	11553	11525	11438	12002	13017	13710	14291	14740	15031	15376	
SRev ST-Coal		52	46	89	51	50	33	42	152	166	124	51	49	75	40	43	43	41	75	58	46	47	80	72	
SRev ST-Oil		8	8	12	10	10	9	9	10	40	55	57	55	23	9	11	11	11	9	9	9	14	9	12	
SRev CCGT-Gas		991	858	979	1003	1250	1636	1754	1857	1991	1943	2024	1898	1871	1974	2045	2036	1893	1113	544	320	202	163	176	
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	
SRev Distillate		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	
Syncon		625	625	625	474	625	474	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	
Hydro		124	103	107	225	103	224	109	92	120	97	106	187	105	247	107	229	102	110	103	111	141	222	253	
S.Reserve Total		1800	1640	1812	1763	2038	2377	2539	2735	2912	2829	2861	2816	2731	2758	2829	3055	2783	1934	1339	1304	1126	1253	1003	