

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	70 MW
Gas	3,525 MW
Hydro	1,853 MW
Distillate	300 MW
Total TNB	7,818 MW
Total IPP	11,278 MW
Total Co-Gen	47 MW
System Total	19,143 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:00		
TNB Generation	5,777 MW	
IPP Generation	9,542 MW	
Total Set On Bus	16,448 MW	
Maximum Demand	15,386 MW	
Spinning Reserve	1,082 MW	
Net Energy	323,582 MWH	
Load Factor	87.6 %	

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	13248	12479	12021	11705	11552	11338	11370	11432	11932	13421	14352	15135	15034	14515	14781	15310	15386	14901	13764	13429	14573	14415	13883	13617

Gas Usage

Station	(mmscfd)
CBPS	58
GLGR	56
PAKA	161
PGPS	24
SRDG	20
TJGS	100
TNB Total	419
KLPP	100
MPSS	55
PDPS	5
PGLA	88
PKLG	8
PLPS	92
PTEK	2
SGRI	198
SKSP	54
YPGS	35
YPKA	132
IPP Total	767
Total Gas	1,186
Total Gas Required :	1,310
Gas Calorific Value :	38,500

Alternate Fuel Usage

Station	(mmscfd)
PGPS	16
PKLG	109
Total	124

Generation Mix

Type	MWh	Percentage
ST-Coal	45,563.00	14.08 %
Gas	52,133.00	16.11 %
Hydro	16,223.00	5.01 %
Distillate	1,933.00	0.60 %
Total TNB	115,852.0	35.80 %
ST-Coal	95,592.0	29.54 %
ST-Gas	1,520.0	0.47 %
ST-Oil	10,568.0	3.27 %
Gas	99,461.0	30.74 %
Total IPP	207,141.0	64.01 %
Co-Gen	1,359.0	0.42 %
Total Co-Gen	1,359.0	0.42 %
Total Generation	324,352.0	100.24 %
PLTG	49.0	0.02 %
HVDC	721.0	0.22 %
Interconnection	770.0	0.24 %
Net Energy	323,582.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	383
Hydro	129
Syncon	505
Thermal	30
Total	1047

Weather Temperature

Weather	Temperature
Morning	Sunny 26
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	
SYPS	HY01	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	HY02	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	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
SYPS	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	0
TMGR	HY01	-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	HY02	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	HY03	-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	HY04	30	36	34	32	26	31	30	37	40	40	36	39	41	41	35	38	40	35	35	37	37	35	80	80	80
Total Hydro		524	536	532	529	513	541	523	559	542	543	536	561	543	544	532	539	540	535	531	595	660	725	909	906	893
PGPS	GT3A	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
PGPS	GT3B	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
PGPS	ST3C	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
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	0
PCUF	CUFG	20	20	21	19	19	20	20	21	21	20	20	20	20	20	21	21	20	19	21	19	21	21	20	21	20
PCUF	CUFK	34	33	33	34	35	34	34	34	33	34	34	34	35	34	33	37	38	35	35	33	29	28	28	28	28
Total Co-Gen		54	53	54	53	54	54	55	54	54	55	54	55	54	53	57	58	56	56	53	48	49	47	49	49	49
Total Gen		13287	12905	12495	12305	12134	11815	11766	11593	11525	11457	11355	11411	11388	11769	11456	11559	11977	12759	13437	13969	14381	14740	15101	15211	
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
TIE-HVDC		30	30	30	30	30	31	31	30	30	31	31	30	30	29	29	29	30	30	30	30	30	30	31	31	31
TIE-PLTG		9	-71	-14	21	83	108	30	18	-57	-8	-14	-4	-12	52	-6	9	16	28	-13	31	-1	57	-63	-92	
Interconnection		39	-41	16	51	113	138	61	49	-27	22	17	27	18	82	24	39	45	57	16	60	29	87	-34	-63	
System Total		13248	12946	12479	12254	12021	11677	11705	11544	11552	11435	11338	11384	11370	11687	11432	11520	11932	12702	13421	13909	14352	14653	15135	15274	
SRev ST-Coal		23	21	24	32	25	22	26	49	33	15	16	11	10	8	20	3	17	17	14	15	15	36	18	12	
SRev ST-Oil		18	18	18	27	18	18	19	57	56	56	56	56	56	57	56	56	28	20	18	18	19	19	19	19	
SRev CCGT-Gas		784	869	1278	1444	1611	1964	1986	2119	2033	2062	2170	2140	2142	1836	2131	2149	1797	1307	1094	800	357	315	262	278	
SRev OCGT-Gas		50	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	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	
Syncon		625	625	625	625	625	474	625	474	625	625	625	474	625	625	625	625	625	625	625	625	625	625	625	625	
Hydro		105	93	97	100	116	239	106	221	87	86	93	219	86	85	97	90	89	94	98	134	155	290	107	110	
S.Reserve Total		1605	1626	2042	2228	2395	2717	2762	2920	2834	2844	2960	2919	2611	2929	2923	2556	2063	1849	1592	1171	1376	1118	1056	1229	