

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	3,035 MW
Hydro	1,858 MW
Distillate	230 MW
Total TNB	7,333 MW
Total IPP	10,751 MW
Total Co-Gen	49 MW
System Total	18,133 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:00	
TNB Generation	5,625 MW
IPP Generation	9,969 MW
Total Set On Bus	17,011 MW
Maximum Demand	15,682 MW
Spinning Reserve	1,368 MW
Net Energy	326,874 MWH
Load Factor	86.8 %

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	12996	12292	11863	11573	11314	11161	11248	11321	11934	13781	14630	15366	15268	14970	15507	15644	15682	15285	14091	13727	14859	14857	14272	13823

Gas Usage

Station	(mmscfd)
CBPS	59
GLGR	54
PAKA	77
PGPS	42
SRDG	28
TJGS	75
TNB Total	335
KLPP	85
MPSS	55
PDPS	2
PGLA	108
PKLG	3
PLPS	107
PTEK	5
SGRI	202
SKSP	55
YPGS	34
YPKA	96
IPP Total	753
Total Gas	1,088

Total Gas Required : 1,295
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
PDPS	25
PGPS	14
PKLG	117
PTEK	10
SRDG	40
Total	207

Generation Mix

Type	MWh	Percentage
ST-Coal	49,677.00	15.20 %
ST-Oil	1,327.00	0.41 %
Gas	41,022.00	12.55 %
Hydro	15,043.00	4.60 %
Distillate	3,354.00	1.03 %
Total TNB	110,423.0	33.78 %
ST-Coal	101,458.0	31.04 %
ST-Oil	11,528.0	3.53 %
Gas	98,005.0	29.98 %
Distillate	3,190.0	0.98 %
Total IPP	214,181.0	65.52 %
Co-Gen	1,454.0	0.44 %
Total Co-Gen	1,454.0	0.44 %
Total Generation	326,058.0	99.75 %
PLTG	-333.0	-0.10 %
HVDC	-483.0	-0.15 %
Interconnection	-816.0	-0.25 %
Net Energy	326,874.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	290
Hydro	213
Syncon	423
Thermal	17
Total	943

Weather Temperature

Weather	Temperature
Morning	Sunny 27
Afternoon	Hot 31

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
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
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
TMGR	HY04	37	30	31	42	27	28	37	31	32	36	29	35	39	32	27	34	43	0	0	0	0	0	0	0
UPLA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		552	538	538	583	446	400	525	491	489	481	389	412	463	372	349	378	476	467	527	579	688	731	911	1070
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	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
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
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	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
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	23	24	24	25	26	25	24	25	24	25	23	24	24	25	25	25	25	25	24	25	24	24	24	25
PCUF	CUFK	32	34	34	35	34	34	35	34	36	36	35	35	35	35	35	33	33	32	29	27	26	27	26	26
Total Co-Gen		55	58	58	60	60	59	59	59	60	61	59	60	58	60	60	58	57	57	53	52	50	52	51	51
Total Gen		12983	12618	12213	11864	11784	11828	11472	11318	11151	11207	11262	11509	11383	11271	11849	12902	13665	14222	14621	14972	15308	15498	15307	15075
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		-29	0	0	0	0	0	0	0	0	0	0	0	0	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		16	-55	-79	-120	-79	-27	-101	-210	-163	-36	101	-59	14	-19	62	-37	-56	-73	-86	-11	20	-50	-28	6
Interconnection		-13	-55	-79	-120	-79	-27	-101	-210	-163	-36	101	-59	14	-19	62	-37	-56	-73	-86	-11	20	-50	-28	6
System Total		12996	12675	12292	11984	11863	11855	11573	11528	11314	11243	11161	11210	11248	11528	11321	11308	11934	13004	13781	14263	14630	15051	15366	15522
SRev	SI-Coal	7	2	7	10	8	3	8	13	6	7	7	4	9	11	95	48	44	12	44	13	11	2	16	23
SRev	SI-Oil	4	5	5	5	4	36	59	56	55	55	55	55	55	55	56	56	47	10	9	9	9	9	10	10
SRev	COGT-Gas	352	660	1060	1453	1579	1460	1484	1544	1719	1655	1616	1994	1939	1601	1816	2045	1831	1072	606	210	207	163	166	176
SRev	COGT-Gas	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	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	625	625	625	625	625	474	625	625	625	625	625	625	625	474	474	474	474	474	474
Hydro		162	176	176	151	268	204	189	223	225	233	325	192	442	382	405	376	278	162	102	100	197	254	309	301
S.Reserve Total		1150	1468	1873	2224	2484	2438	2365	2461	2630	2575	2628	2870	2919	2674	2996	3150	2834	1918	1387	1020	942	920	997	889