

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	3,986 MW
Hydro	1,730 MW
Distillate	0 MW
Total TNB	7,926 MW
Total IPP	10,503 MW
Total Co-Gen	60 MW
System Total	18,489 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:30	
TNB Generation	6,427 MW
IPP Generation	8,755 MW
Total Set On Bus	16,124 MW
Maximum Demand	15,265 MW
Spinning Reserve	882 MW
Net Energy	313,799 MWH
Load Factor	85.7 %

Maximum Demand Record

Date :	20/06/2012	15,826.0 MW
Date :	20/06/2012	328,716.0 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	11947	11373	10947	10782	10474	10546	10906	11043	11508	13152	13946	14668	14727	14281	14981	15228	15223	14859	13715	13600	14494	14207	13672	13039

Gas Usage

Station	(mmscfd)
CBPS	48
GLGR	57
PAKA	136
PGPS	38
SRDG	10
TJGS	172
TNB Total	460
KLPP	109
MPSS	53
PDPS	7
PKLG	6
PLPS	116
PTEK	3
SGB3	82
SGRI	88
SKSP	55
YPGS	34
YPKA	131
IPP Total	684
Total Gas	1,144

Total Gas Required : 1,318
Gas Calorific Value : 38,500

Alternate Fuel Usage

Station	(mmscfd)
PGPS	13
PKLG	131
TJGS	30
Total	174

Generation Mix

Type	MWh	Percentage
ST-Coal	45,238.00	14.42 %
ST-Oil	1,189.00	0.38 %
Gas	59,865.00	19.08 %
Hydro	13,819.00	4.40 %
Distillate	4,110.00	1.31 %
Total TNB	124,221.0	39.59 %
ST-Coal	87,380.0	27.85 %
ST-Oil	12,966.0	4.13 %
Gas	87,875.0	28.00 %
Total IPP	188,221.0	59.98 %
Co-Gen	1,769.0	0.56 %
Total Co-Gen	1,769.0	0.56 %
Total Generation	314,211.0	100.13 %
PLTG	-315.0	-0.10 %
HVDC	727.0	0.23 %
Interconnection	412.0	0.13 %
Net Energy	313,799.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	264
Hydro	189
Syncon	370
Thermal	53
Total	875

Weather
Temperature

Morning	Sunny	28
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	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
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
TMGR	HY02	30	33	30	33	34	33	36	20	33	33	32	33	23	34	37	35	34	28	35	81	81	81	81	33
TMGR	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
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY02	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		295	246	239	185	187	183	223	204	215	237	214	217	238	245	210	218	225	237	236	457	469	935	970	1205
TJGS	GT2A	227	227	227	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	GT2B	224	224	223	120	117	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	ST2C	245	245	244	114	79	187	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Distillate		696	696	694	276	196	267	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	44	34	31	38	33	37	33	32	33	35	36	35	36	36	35	36	38	32	35	38	32	34	38	34
PCUF	CUFK	35	33	34	34	33	33	33	33	34	33	33	30	31	35	33	33	31	32	32	30	29	32	30	29
Total Co-Gen		79	67	65	72	66	70	66	65	67	68	69	65	67	71	68	69	64	67	68	61	66	68	63	66
Total Gen		12009	11677	11503	11034	10960	10760	10766	10584	10526	10487	10582	10522	10959	11161	11166	11140	11555	12322	13132	13708	13931	14393	14714	14916
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	30	30	30	30	31	31	30	30	30	30	30	30	30	30	30	31	31	31	31	31	30	30
TIE-PLTG		-33	-57	100	-93	-17	-57	-46	95	21	8	6	21	23	20	93	-69	17	-70	-50	6	-45	16	15	28
Interconnection		-3	-27	130	-63	13	-27	-16	126	52	38	36	51	53	50	123	-39	47	-40	-20	36	-15	47	46	59
System Total		12012	11704	11373	11097	10947	10787	10782	10458	10474	10449	10546	10471	10906	11111	11043	11179	11508	12362	13152	13672	13946	14346	14668	14857
SRev ST-Coal		8	-82	-9	-8	0	20	32	125	96	75	-55	72	-45	-4	198	76	84	92	47	9	-15	-7	63	83
SRev ST-Oil		4	3	31	7	5	5	4	4	4	4	4	4	4	4	4	4	4	3	2	3	3	3	3	7
SRev CCGT-Gas		736	608	670	697	911	1162	1384	1453	1553	1637	1649	1881	1684	1774	1859	1882	1580	908	363	374	184	437	210	299
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	0
SRev Distillate		4	4	6	424	274	203	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	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	474	625	625	474	388	237
Hydro		208	157	164	117	115	119	129	148	137	266	138	135	114	258	142	134	127	115	116	197	84	53	169	64
S.Reserve Total		1585	1315	1487	1963	2031	2235	2275	2456	2516	2556	2462	2818	2483	2585	2727	2944	2513	1836	1299	1095	905	1103	893	859