

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	4,560 MW
Hydro	1,780 MW
Distillate	100 MW
Total TNB	8,650 MW
Total IPP	10,535 MW
Total Co-Gen	55 MW
System Total	19,240 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:30		
TNB Generation	7,084 MW	
IPP Generation	8,311 MW	
Total Set On Bus	16,418 MW	
Maximum Demand	15,459 MW	
Spinning Reserve	968 MW	
Net Energy	313,051 MWH	
Load Factor	84.4 %	

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	11680	11013	10664	10542	10278	10086	10313	10582	11142	13044	13960	14694	14849	14579	15092	15324	15387	15046	13918	13507	14609	14511	14065	13620

Gas Usage

Station	(mmscfd)
CBPS	46
GLGR	57
PAKA	130
PGPS	21
SRDG	35
TJGS	203
TNB Total	491
KLPP	56
MPSS	49
PGLA	68
PKLG	7
PLPS	92
SGRI	166
SKSP	49
YPGS	58
YPKA	100
IPP Total	645
Total Gas	1,136

Total Gas Required : 1,339
Gas Calorific Value : 38,500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	12
PGLA	25
PGPS	19
PKLG	121
SGRI	27
Total	203

Generation Mix

Type	MWh	Percentage
ST-Coal	49,054.00	15.67 %
Gas	62,289.00	19.90 %
Hydro	16,988.00	5.43 %
Distillate	2,439.00	0.78 %
Total TNB	130,770.0	41.77 %
ST-Coal	76,562.0	24.46 %
ST-Gas	1,375.0	0.44 %
ST-Oil	11,803.0	3.77 %
Gas	83,271.0	26.60 %
Distillate	8,353.0	2.67 %
Total IPP	181,364.0	57.93 %
Co-Gen	1,566.0	0.50 %
Total Co-Gen	1,566.0	0.50 %
Total Generation	313,700.0	100.21 %
PLTG	15.0	0.00 %
HVDC	634.0	0.20 %
Interconnection	649.0	0.21 %
Net Energy	313,051.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	381
Hydro	154
Syncon	375
Thermal	20
Total	931

	Weather	Temperature
Morning	Sunny	27
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	
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		653	656	555	545	540	542	542	534	541	544	563	541	541	542	543	541	544	541	571	668	872	1159	1073	1084	753
KLPP	GT13	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	
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	
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	
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	
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	
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	20	20	19	20	19	20	20	20	20	21	20	21	22	21	21	20	19	19	19	18	18	19	19	19	
PCUF	CUFK	41	39	38	38	37	38	39	39	40	40	39	39	40	41	40	41	40	39	39	40	39	38	36	37	
Total Co-Gen		61	59	57	58	56	58	59	59	60	60	59	60	61	62	62	61	61	60	58	58	59	57	56	55	
Total Gen		11655	11346	11003	10975	10723	10583	10496	10282	10270	10221	10135	10182	10364	10439	10522	10670	11137	12436	13015	13751	14030	14428	14777	15163	
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		-28	-28	-30	31	31	29	30	30	30	30	30	30	29	29	31	31	31	31	30	30	31	31	30	30	
TIE-PLTG		3	84	21	7	28	-29	-76	91	-38	-70	19	-61	21	-105	-89	-41	-36	85	-60	36	40	-1	52		
Interconnection		-25	56	-9	38	59	0	-46	121	-8	-40	49	-31	51	-75	-60	-12	-5	116	-29	67	70	29	83		
System Total		11680	11290	11012	10937	10664	10583	10542	10161	10278	10261	10086	10213	10313	10514	10582	10682	11142	12320	13044	13684	13960	14399	14694	15093	
SRev ST-Coal		6	4	6	7	148	140	142	152	269	265	263	267	256	267	154	142	137	145	88	13	9	3	8		
SRev ST-Oil		11	12	12	12	13	13	10	10	11	11	13	13	11	11	10	10	10	10	10	9	9	10	10	11	
SRev CCGT-Gas		975	1287	1524	1578	1676	1829	1913	2117	2015	2071	2178	2193	2202	2122	2153	2445	2376	1064	812	304	306	411	379		
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		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	625	625	625	625	625	625	625	625	625	625	625	625	625	625	
Hydro		82	79	80	90	95	93	93	101	94	91	223	94	94	93	92	94	91	94	215	218	239	128	214		
S.Reserve Total		1699	2007	2247	2312	2556	2700	2786	3005	3013	3063	3149	3192	3190	3118	3035	3316	3239	1940	1599	1019	1038	874	973		