

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	3,506 MW
Hydro	1,833 MW
Distillate	449 MW
Total TNB	7,998 MW
Total IPP	10,152 MW
Total Co-Gen	39 MW
System Total	18,189 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30	
TNB Generation	6,609 MW
IPP Generation	8,316 MW
Total Set On Bus	16,067 MW
Maximum Demand	15,025 MW
Spinning Reserve	1,103 MW
Net Energy	307,810 MWH
Load Factor	85.4 %

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	11917	11247	10835	10595	10382	10260	10402	10508	11180	12811	13834	14480	14593	14323	14684	14956	14994	14496	13615	13691	14041	13699	13042	12717

Gas Usage

Station	(mmscfd)
CBPS	49
GLGR	58
PAKA	139
PGPS	4
SRDG	6
TJGS	149
TNB Total	404
KLPP	80
MPSS	53
PGLA	51
PLPS	101
SGB3	81
SGRI	76
SKSP	52
YPGS	58
YPKA	105
IPP Total	658
Total Gas	1,063
Total Gas Required :	1,212
Gas Calorific Value :	38.500

Alternate Fuel Usage

Station	(mmscfd)
CBPS	3
KLPP	18
PDPS	2
PGPS	11
PKLG	45
PTEK	8
SRDG	20
TJGS	44
Total	150

Generation Mix

Type	MWh	Percentage
ST-Coal	48,063.00	15.61 %
Gas	52,504.00	17.06 %
Hydro	13,257.00	4.31 %
Distillate	9,558.00	3.11 %
Total TNB	123,382.0	40.08 %
ST-Coal	89,764.0	29.16 %
ST-Oil	4,330.0	1.41 %
Gas	85,090.0	27.64 %
Distillate	3,139.0	1.02 %
Total IPP	182,323.0	59.23 %
Co-Gen	1,169.0	0.38 %
Total Co-Gen	1,169.0	0.38 %
Total Generation	306,874.0	99.70 %
PLTG	-242.0	-0.08 %
HVDC	-694.0	-0.23 %
Interconnection	-936.0	-0.30 %
Net Energy	307,810.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	463
Hydro	182
Syncon	460
Thermal	35
Total	1141

Weather Temperature

Weather	Temperature
Morning	Sunny 28
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																												
UPIA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6																												
Total Hydro		478	437	441	339	272	263	228	225	191	205	192	195	213	252	235	224	224	207	216	465	611	783	804	986	904	773	729	733	1060	1489	1142	855	848	846	543	430	420	557	656	829	1040	1061	576	528	504	538	414	376				
CBPS	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	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			
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	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	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	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	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	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	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	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	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		
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	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	0		
PTEK	GT2B	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	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		
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	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	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	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	0	0	
TJGS	GT2A	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	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	0	
TJGS	GT2B	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	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	0	
TJGS	ST2C	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	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	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	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	0	0
PCUF	CUFG	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18		
PCUF	CUFK	30	29	28	28	31	30	28	29	30	29	29	32	31	29	31	26	25	24	20	21	21	20	22	20	22	23	22	22	23	22	23	22	23	22	23	22	23	22	23	22	23	22	23	22	23	22	23	22	23	22		
Total Co-Gen		48	47	46	46	49	48	46	47	48	47	47	51	49	49	50	50	49	48	47	49	43	41	42	37	39	38	38	40	38	39	41	39	39	40	40	39	38	41	40	43	44	44	45	43	41	43	44	48				
Total Gen		11977	11551	11252	11168	10886	10729	10554	10480	10396	10360	10317	10331	10366	10416	10483	10556	11086	12118	12753	13381	13780	14041	14288	14562	14480	14327	14349	14419	14725	14964	14937	14920	14947	14923	14489	14128	13640	13359	13620	14065	14056	14020	13594	13490	13165	12931	12525	12363				
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	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	0	
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-28	-30	-30	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29		
TIE-PLTG		89	1	34	-13	80	-28	-12	84	43	41	86	94	-6	-27	4	-45	-66	41	-29	8	-25	-61	-163	-63	-85	8	54	11	71	-33	11	-44	-19	-25	22	60	54	1	-42	-46	44	99	-76	45	92	-70	-164	-9				
Interconnection		60	-28	5	-42	51	-57	-41	55	14	12	57	64	-36	-56	-25	-73	-94	12	-58	-21	-54	-90	-192	-92	-113	-21	26	-19	41	-61	-19	-72	-47	-54	-7	31	25	-28	-71	-75	15	70	-105	16	63	-98	-192	-38				
System Total		11917	11579	11247	11210	10835	10786	10595	10425	10382	10348	10260	10267	10402	10472	10508	10629	11180	12106	12811	13402	13834	14131	14480	14654	14593	14348	14323	14438	14684	15025	14956	14992	14994	14977	14496	14097	13615	13387	13691	14140	14041	13950	13699	13474	13042	13029	12717	12401				
SRev ST-Coal		14	14	88	15	40	21	32	46	26	19	29	25	26	24	21	3	25	19	16	23	19	16	0	7	-12	7	15	11	82	82	27	22	52	12	22	17	19	49	34	11	82	21	74	98	100	34	32	20				
SRev ST-Oil		0	0	0	0	0	0	0	0	28	28	28	28	28	28	28	2	0	7	28	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	0	0	0	0	0	0	0	0
SRev CCGT-Gas		665	1049	927	982	1175	1341	1468	1526	1529	1520	1540	1537	1517	1508	1428	1404	1535	1063	857	619	458	446	313	278	363	378	303	243	219	519	478	258	287	349	428	299	429	623	471	232	381	369	350	355	644	227	125	304				
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	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	0	0	
SRev Distillate		130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130		
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	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	0	0	
Syncon		726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726		
Hydro		123	114	110	112	129	239	123	126	160	146	159	156	138	250	267	127	127	144	155	111	91	159	138	41	223	254	298	294	319	76	223	87	94	96	208	171	181	195	246	73	163	142	326	375	399	266	239	126				
S.Reserve Total		1658	2033	1981	1965	2200	2306	2479	2554	2599	2569	2612	2602	2565	2515	2449	2418	2545	2082	1871	1637	1430	1337	1166	976	1260	1261	123																									

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
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