

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	10,744 MW
Total Co-Gen	44 MW
System Total	18,606 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:00	
TNB Generation	6,544 MW
IPP Generation	9,595 MW
Total Set On Bus	17,188 MW
Maximum Demand	16,133 MW
Spinning Reserve	1,005 MW
Net Energy	331,189 MWH
Load Factor	85.5 %

Maximum Demand Record

Date :	19/03/2013	16,133.0 MW
Date :	19/03/2013	331,189.0 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	13199	12397	11956	11623	11457	11207	11556	11467	11829	13739	14597	15374	15372	14862	15581	16010	16133	15726	14425	14059	15148	15090	14562	14170

Gas Usage

Station	(mmscfd)
CBPS	57
GLGR	56
PAKA	169
PGPS	15
SRDG	65
TJGS	107
TNB Total	470
KLPP	83
MPSS	56
PDPS	17
PGLA	93
PKLG	11
PLPS	96
SGRI	178
SKSP	41
YPGS	35
YPKA	71
IPP Total	680
Total Gas	1,149
Total Gas Required :	1,361
Gas Calorific Value :	38.500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	16
PGPS	26
PKLG	114
PTEK	23
SGRI	33
Total	212

Generation Mix

Type	MWh	Percentage
ST-Coal	49,623.00	14.98 %
Gas	57,026.00	17.22 %
Hydro	19,421.00	5.86 %
Distillate	3,281.00	0.99 %
Total TNB	129,351.0	39.06 %
ST-Coal	93,280.0	28.17 %
ST-Gas	1,559.0	0.47 %
ST-Oil	11,131.0	3.36 %
Gas	87,476.0	26.41 %
Distillate	7,957.0	2.40 %
Total IPP	201,403.0	60.81 %
Co-Gen	1,359.0	0.41 %
Total Co-Gen	1,359.0	0.41 %
Total Generation	332,113.0	100.28 %
PLTG	200.0	0.06 %
HVDC	724.0	0.22 %
Interconnection	924.0	0.28 %
Net Energy	331,189.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	362
Hydro	200
Syncon	266
Thermal	179
Total	1007

Weather Temperature

Weather	Temperature
Morning	Sunny 28
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	25	25	25	25	25	16	16	0	0	0	0	0	0
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	16	16	0	0	0	0	0	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	16	16	0	0	0	0	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	16	16	0	0	0	0	0	0
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	77	79	80	78	-1	-1	-1	-1	-1	-1
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	31	42	39	32	39	78	75	76	77	78	79	78	32
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	35	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY04	44	39	45	53	42	44	43	42	28	34	35	43	43	48	26	34	33	31	31	43	32	33	42	40	
UPIA	HY02	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hydro		652	564	555	564	566	550	543	545	519	533	534	544	545	582	521	530	532	526	535	771	760	875	1156	1164	
KLPP	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	129	129	128	129	128	128	128	129	128
KLPP	GT14	24	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	90	91	91	88	92	90	90	90	91	90	90	90	90
PGPS	GT3B	0	0	0	0	0	0	0	0	0	0	0	0	89	90	90	89	89	89	89	90	90	89	89	90	89
PGPS	ST3C	37	0	0	0	0	0	0	0	0	0	0	0	88	90	89	89	89	89	89	88	88	87	87	86	
PTEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104	103	103	102	102	103	103	102	103	103	103
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	9	104	104	104	104	104	105	105	105	105	105	76	
PTEK	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	
SGRI	GT12	0	0	0	0	0	0	0	0	0	0	0	0	48	124	124	124	124	124	125	125	125	125	125	126	
SGRI	GT22	0	0	0	0	0	0	0	0	0	0	0	0	80	123	124	124	124	122	122	123	123	123	123	124	
Total Distillate		61	0	0	0	0	0	0	0	0	0	0	0	267	319	474	651	855	851	852	851	851	851	853	851	
PCUF	CUFG	13	16	15	15	16	15	16	15	16	16	16	17	16	16	16	15	16	17	15	16	17	15	16	16	
PCUF	CUFK	40	40	40	39	40	39	40	41	40	41	40	41	39	39	41	42	40	38	33	32	32	31	31	30	
Total Co-Gen		53	56	55	54	56	54	55	57	55	57	56	58	55	54	49	48	47	47	46	47	45	46	44		
Total Gen		13206	12918	12398	12158	12039	11860	11666	11546	11555	11285	11255	11548	11420	11830	11754	11452	11847	13060	15812	14368	14709	14996	15352		
TIE-BGAT		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	31	31	30	30	30	31	31	31	31	31	30	30	30	30	30	30	30	30	30	30	29	29	
TIE-PLTG		-23	94	-30	-52	53	-22	13	30	67	-13	18	-134	-167	12	256	-91	-12	2	42	-8	82	34	-52		
Interconnection		7	124	1	-21	83	8	43	60	98	18	48	-104	-136	43	287	-60	18	32	73	23	112	64	-22		
System Total		13199	12794	12397	12179	11956	11852	11623	11486	11457	11267	11207	11452	11556	11787	11467	11512	11829	13028	13739	14345	14597	14932	15374		
SRev ST-Coal		19	37	19	38	31	18	37	133	63	45	27	25	19	26	37	35	13	40	25	119	108	111	112		
SRev ST-Oil		27	27	46	30	28	28	28	77	171	163	54	29	28	28	26	26	26	26	27	27	26	26	26	27	
SRev CCGT-Gas		791	535	1044	939	1071	1245	1414	1442	1475	1732	1684	1613	1657	1299	1303	1619	1742	1214	675	310	257	315	251		
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	79	16	12	99	4	-2	6	245	239	153		
SRev Distillate		179	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	121	106	177		
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		475	625	625	625	474	625	625	625	625	625	625	625	474	625	625	625	625	625	323	474	474	323	323	323	
Hydro		76	214	73	64	213	78	85	83	109	95	94	84	83	197	107	98	96	102	93	309	172	302	272		
S.Reserve Total		1567	1438	1807	1696	1817	1994	2189	2311	2300	2572	2601	2508	2438	2025	2100	2405	2502	2007	1444	1166	1075	1240			