

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	70 MW
Gas	3,360 MW
Hydro	1,825 MW
Distillate	540 MW
Total TNB	7,865 MW
Total IPP	9,522 MW
Total Co-Gen	35 MW
System Total	17,422 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:30

TNB Generation	7,440 MW
IPP Generation	8,883 MW
Total Set On Bus	17,220 MW
Maximum Demand	16,562 MW
Spinning Reserve	862 MW
Net Energy	337,197 MWH
Load Factor	84.8 %

Maximum Demand Record

Date :	13/05/2013	16,562.0 MW
Date :	16/04/2013	338,800.0 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	13038	12487	11778	11593	11320	11014	11158	11094	11981	13816	14849	15633	15607	15259	16075	16482	16507	16139	14766	14384	15544	15545	15272	14795

Gas Usage

Station	(mmscfd)
CBPS	106
GLGR	58
PAKA	195
PGGS	3
SRDG	41
TJGS	103
TNB Total	505
KLPP	53
PDPS	31
PGLA	75
PKLG	33
PLPS	73
PTEK	46
SGB3	35
SGRI	94
SKSP	56
YPGS	68
YPKA	73
IPP Total	637
Total Gas	1,142

Total Gas Required : 1,598
Gas Calorific Value : 38,500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	58
PDPS	34
PGGS	9
PGLA	34
PGPS	64
PKLG	66
PLPS	40
PTEK	7
SGB3	41
SGRI	83
SRDG	20
Total	455

Generation Mix

Type	MWh	Percentage
ST-Coal	49,435.00	14.66 %
ST-Oil	1,290.00	0.38 %
Gas	62,333.00	18.49 %
Hydro	21,587.00	6.40 %
Distillate	8,693.00	2.58 %
Total TNB	143,338.0	42.51 %
ST-Coal	66,640.0	19.76 %
ST-Oil	6,509.0	1.93 %
Gas	79,725.0	23.64 %
Distillate	35,710.0	10.59 %
Total IPP	188,584.0	55.93 %
Co-Gen	1,084.0	0.32 %
Total Co-Gen	1,084.0	0.32 %
Total Generation	333,006.0	98.76 %
PLTG	-4,821.0	-1.43 %
HVDC	630.0	0.19 %
Interconnection	-4,191.0	-1.24 %
Net Energy	337,197.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	535
Hydro	158
Syncon	179
Thermal	40
Total	912

Weather Temperature

Weather	Temperature
Morning	Sunny 25
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
MINOR	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
PGAU	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	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
PGAU	HY03	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	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
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	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
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	73	-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	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	72	31	36	32	34	35	36	36	35	33	33	35	33	37	29	32	79	82	73	81	73	76	70	74
UPLA	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		784	433	446	434	463	443	446	439	436	439	499	526	499	572	527	529	579	775	659	788	829	1199	1450	1491
CBPP	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
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
KLPP	GT15	135	134	136	135	136	136	135	100	0	0	0	0	0	31	75	75	104	132	132	133	133	134	132	133
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	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
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
PGGS	GT6A	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	90	90	91	88	88	88	88	87	88	88	87	88	88	88	88	88	88	88	88	88	88	88	88	88
PGPS	GT3B	90	90	90	87	88	88	88	88	90	88	87	88	87	89	86	88	87	90	86	88	88	88	88	88
PGPS	ST3C	87	87	87	86	85	85	85	84	85	84	85	85	85	84	83	84	84	87	84	86	86	86	86	86
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
SGB3	GT31	123	123	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGB3	GT33	132	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT12	129	129	129	129	129	129	129	129	129	129	129	129	129	128	128	128	128	128	128	128	128	128	128	128
SGRI	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
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
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
PLPS	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
PLPS	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
Total Distillate		786	734	559	525	526	525	488	392	389	388	390	389	592	833	840	958	1135	1245	1628	1696	1686	1803	1801	1684
PCUF	CUFG	15	16	16	15	16	15	16	16	16	15	15	15	15	14	16	15	15	15	15	14	13	13	14	13
PCUF	CUFK	29	28	26	27	29	28	29	27	26	27	28	27	26	24	25	25	25	25	24	21	22	23	23	22
Total Co-Gen		44	44	42	42	45	43	45	43	42	42	44	42	43	43	41	43	43	42	40	40	40	40	40	40
Total Gen		12819	12463	12206	11985	11531	11587	11421	11205	11137	10993	10890	10989	10967	11272	11011	11147	11938	13078	13729	14311	14577	15112	15543	15605
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	-29	-29	30	30	29	29	30	30	30	30	31	31	29	29	29	29	29	31	31	29	31	30	29
TIE-PLTG		-189	-193	-252	-129	-277	-212	-201	-275	-213	-175	-154	-148	-221	-229	-114	-149	-72	-210	-116	-263	-303	-329	-121	-232
Interconnection		-219	-222	-281	-99	-247	-183	-172	-245	-183	-145	-124	-118	-191	-198	-83	-120	-43	-181	-87	-232	-272	-300	-90	-203

Daily MW Generation On Monday

13-May-2013

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																										
System Total		13038	12685	12487	12084	11778	11770	11593	11450	11320	11138	11014	11107	11158	11470	11094	11267	11981	13259	13816	14543	14849	15412	15633	15808	15607	15391	15259	15624	16075	16446	16482	16457	16507	16562	16139	15522	14766	14398	14384	15107	15544	15634	15545	15410	15272	15153	14795	14564		
SRev ST-Coal	30	16	11	15	0	15	17	10	8	37	38	35	14	27	23	20	15	33	28	24	21	18	25	28	36	30	31	21	29	19	20	32	25	32	42	30	30	32	25	36	29	26	22	23	20	28	23	37			
SRev ST-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 ST-Oil	20	18	20	19	20	19	18	19	18	19	19	19	19	19	20	20	20	20	20	19	19	20	20	19	19	20	19	20	19	20	19	20	21	21	22	21	21	21	21	21	20	19	18	19							
SRev CCGI-Gas	399	267	365	676	960	863	1034	1210	1320	1429	1550	1504	1547	1137	1254	1273	963	505	414	247	224	276	285	290	395	544	394	365	555	330	325	325	339	359	369	335	597	736	721	536	347	298	308	347	280	263	254	244			
SRev OCGI-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	
SRev Distillate	64	116	151	45	44	44	45	82	38	41	42	40	41	208	387	380	262	85	115	222	154	174	177	179	176	179	189	198	193	193	196	199	196	203	207	195	353	242	246	229	247	193	219	186	199	202	216	192			
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	
Syncon	539	625	625	625	474	625	625	625	625	625	625	474	625	474	625	625	625	323	474	474	323	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydro	121	98	85	97	219	88	85	92	95	92	137	261	137	215	109	107	57	163	311	182	292	160	244	204	219	247	594	679	253	146	164	199	215	137	198	37	59	152	77	200	181	97	121	69	80	100	113	135			
S.Reserve Total		1173	1140	1257	1477	1717	1654	1824	2038	2104	2243	2411	2333	2383	2080	2417	2425	2004	1178	1542	1184	1147	986	982	918	978	1117	1459	1323	1102	786	792	878	892	862	1161	1175	1771	2006	2012	1460	1261	1204	1182	1125	1080	1092	1273	992		