

Availability At Daily Maximum Demand Hour

ST-Coal	1,350 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	3,850 MW
Hydro	1,732 MW
Distillate	100 MW
Total TNB	7,172 MW
Total IPP	11,050 MW
Total Co-Gen	94 MW
System Total	18,316 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30	
TNB Generation	5,201 MW
IPP Generation	9,398 MW
Total Set On Bus	15,639 MW
Maximum Demand	14,672 MW
Spinning Reserve	946 MW
Net Energy	300,316 MWH
Load Factor	85.3 %

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	11457	10950	10547	10002	9981	9685	10185	10354	11000	12943	13760	14357	14373	14039	14426	14625	14442	14169	13226	13031	13695	13625	13010	12501

Gas Usage

Station	(mmscfd)
CBPS	49
GLGR	61
PAKA	107
PGPS	32
SRDG	33
TJGS	107
TNB Total	388
KLPP	90
MPSS	57
PDPS	2
PGLA	90
PLPS	106
SGB3	65
SGRI	100
SKSP	55
YPGS	34
YPKA	124
IPP Total	723
Total Gas	1,111

Total Gas Required : 1,315
Gas Calorific Value : 38,500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	16
PGLA	15
PGPS	13
PKLG	107
SGB3	18
SGRI	35
Total	204

Generation Mix

Type	MWh	Percentage
ST-Coal	27,446.00	9.14 %
Gas	47,502.00	15.82 %
Hydro	21,263.00	7.08 %
Distillate	1,623.00	0.54 %
Total TNB	97,834.0	32.58 %
ST-Coal	85,423.0	28.44 %
ST-Gas	19.0	0.01 %
ST-Oil	10,448.0	3.48 %
Gas	93,104.0	31.00 %
Distillate	10,678.0	3.56 %
Total IPP	199,672.0	66.49 %
Co-Gen	2,411.0	0.80 %
Total Co-Gen	2,411.0	0.80 %
Total Generation	299,917.0	99.87 %
PLTG	301.0	0.10 %
HVDC	-700.0	-0.23 %
Interconnection	-399.0	-0.13 %
Net Energy	300,316.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	482
Hydro	214
Syncon	124
Thermal	105
Total	926

	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	
SGRI	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	0
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	0
SGRI	ST14	0	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	GT21	107	107	107	107	107	107	106	106	106	107	106	103	104	103	138	138	138	137	137	136	136	137	137	138	137
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	0
SGRI	GT23	0	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	ST24	62	62	63	63	63	64	64	64	64	62	62	62	63	63	64	124	152	219	215	180	208	207	207	211	209
YPGS	GT11	111	125	128	126	129	128	126	126	126	121	129	128	127	128	129	127	129	124	125	127	125	126	125	125	125
YPGS	ST10	63	69	69	69	68	68	68	68	68	68	68	68	68	68	69	69	69	69	69	69	69	69	69	69	69
YPKA	BLK1	267	264	275	273	273	273	273	274	274	272	272	297	324	324	363	363	365	365	366	366	365	365	364	364	363
YPKA	BLK2	261	257	269	266	266	266	267	267	266	266	292	316	327	364	364	369	369	370	370	371	371	371	371	371	371
PLPS	GT11	105	105	106	105	105	105	66	66	66	66	65	65	65	64	66	85	139	138	138	138	137	137	144	141	140
PLPS	GT12	107	109	108	109	108	108	69	70	69	68	69	69	69	68	69	88	147	145	145	145	145	144	144	143	142
PLPS	GT13	110	110	109	110	110	110	62	62	63	63	64	64	63	63	82	143	143	142	142	142	142	144	145	144	144
PLPS	ST18	195	195	195	195	196	195	195	151	147	146	146	147	147	147	150	215	214	213	212	213	213	213	217	217	217
SKSP	BLK1	300	289	254	225	256	341	310	345	337	320	295	267	348	338	335	351	348	310	350	347	348	346	300	348	336
TJGS	GT1A	229	229	229	228	197	197	158	161	161	151	107	111	145	142	160	198	233	229	232	232	232	229	229	229	229
TJGS	GT1B	220	220	220	215	186	186	150	150	150	141	100	97	134	130	149	188	223	223	223	223	223	220	220	220	220
TJGS	ST1C	260	260	260	260	225	225	198	198	195	195	151	147	178	181	181	221	256	259	259	259	259	259	259	259	259
Total CCGT-Gas		5041	4976	4922	4661	4534	4521	4311	4231	4227	4194	4081	3973	4245	4379	4346	4526	4956	6238	6805	7220	7505	7040	7215	7075	7160
Total 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
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	0
SRDG	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	0
SRDG	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
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
SRDG	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	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
BSIA	HY01	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSIA	HY02	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSIA	HY03	10	9	13	10	12	11	10	11	11	10	12	12	11	11	13	12	11	12	11	11	23	22	23	23	22
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
KNRG	HY01	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY02	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY03	20	24	25	24	26	25	24	25	24	25	23	25	26	25	24	26	25	22	22	21	21	34	34	34	34
KNYR	HY01	99	92	103	100	103	103	96	102	103	100	93	99	103	102	73	103	95	59	103	103	64	103	58	103	64
KNYR	HY02	62	51	102	66	102	95	55	102	91	81	52	103	98	102	92	102	99	102	102	102	98	105	63	96	101
KNYR	HY03	97	91	103	99	103	103	95	101	102	99	91	103	103	103	96	103	103	98	103	102	103	96	104	102	97
KNYR	HY04	98	92	103	100	103	103	96	102	103	100	92	100	103	99	96	103	103	59	85	103	103	97	69	63	98
LPIA	HY01	24	24	23	23	24	24	23	23	23	24	24	24	24	24	24	24	24	24	23	23	23	23	23	23	23
MINOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
PGAU	HY01	22	-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	HY02	109	101	112	110	114	20	13	27	28	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	HY03	110	31	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	111	-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	50	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	50	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	16	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	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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	HY03	16	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	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																												
TMGR	HY02	42	35	50	42	48	33	26	32	32	33	26	37	42	37	30	41	37	32	40	35	34	84	82	85	85	82	84	81	84	85	85	84	85	85	85	39	38	41	40	38	44	40	43	42	37	38	37					
TMGR	HY03	38	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	43	28	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	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		1143	602	656	596	657	539	460	547	539	514	433	525	533	639	705	626	606	620	867	894	977	1561	1343	1415	1296	1200	1264	1226	1337	1382	1412	1413	1396	1413	1409	1226	698	535	542	960	1070	1088	978	737	655	640	760	751				
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	0	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	0	0	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	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	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	0	0	0	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	52	53	53	53	51	52	52	52	52	54	51	53	51	52	53	52	53	51	52	52	53	52	52	52	52	52	52	52	51	53	52	51	54	52	52	52	53	52	54	53	51	54	51	52	52	52	52	54				
PCUF	CUFK	38	41	39	40	40	40	40	41	39	38	38	39	40	40	41	40	41	40	41	40	41	40	42	40	41	42	40	41	42	39	39	41	40	41	42	41	39	41	40	41	41	40	41	40	41	40	39	39	39			
Total Co-Gen		90	94	92	93	91	92	92	93	91	90	92	90	93	91	93	93	93	93	90	92	91	93	92	93	94	92	93	94	91	94	94	90	93	93	92	93	95	93	93	94	91	95	92	92	93	92	91	93				
Total Gen		11462	10894	10829	10493	10434	10320	10056	10000	9975	9932	9793	9871	10161	10401	10428	10528	10943	12114	12908	13375	13745	13907	14388	14449	14388	14056	14005	14239	14461	14693	14674	14600	14495	14413	14151	13716	13239	13049	13036	13696	13810	13746	13729	13478	13068	12814	12479	12171				
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		
TIE-HVDC		-28	-28	-29	-30	-30	-30	-30	-28	-29	-30	-29	-29	-29	-30	-29	-29	-29	-29	-29	-30	-30	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29			
TIE-PLTG		33	35	-92	-23	-83	16	84	-36	24	-26	144	-55	10	-47	108	-35	-28	21	-6	-43	15	-178	60	18	44	105	-4	61	64	50	79	46	82	13	11	-23	42	109	34	91	144	4	132	90	87	-4	7	8				
Interconnection		5	7	-121	-53	-113	-14	54	-66	-6	-54	115	-85	-19	-76	79	-65	-57	-8	-35	-72	-15	-208	31	-11	15	76	-34	31	35	21	49	16	53	-16	-18	-52	13	80	5	62	115	-25	104	62	58	-33	-22	-21				
System Total		11457	10887	10950	10546	10547	10334	10002	10066	9981	9986	9678	9956	10180	10477	10349	10593	11000	12122	12943	13447	13760	14115	14357	14460	14373	13980	14039	14208	14426	14672	14625	14584	14442	14429	14169	13768	13226	12969	13031	13634	13695	13771	13625	13416	13010	12847	12501	12192				
SRev ST-Coal		-3	4	63	62	52	56	64	125	125	126	133	1	-3	-5	1	2	-2	-122	129	119	119	125	119	194	192	195	196	191	120	108	113	116	128	119	126	119	120	123	127	131	117	120	124	131	124	119	127	121				
SRev ST-Oil		-44	-5	-1	11	10	-3	-29	-59	-41	-63	-105	-7	4	4	6	6	5	-5	-2	-2	-4	-4	-3	24	29	29	28	28	0	-5	-2	-5	0	-2	-4	-2	-7	-5	0	-6	-3	-6	-3	-4	-2	-5	-3	-3				
SRev CCGT-Gas		539	604	658	919	1046	1059	1269	1349	1493	1526	1639	1747	1475	1401	1434	1434	1574	812	465	420	490	585	350	350	265	574	753	554	567	403	436	595	436	487	660	626	526	580	586	355	358	452	341	343	654	667	765	421				
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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	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		0	388	625	625	625	625	625	625	625	625	625	625	625	474	323	474	474	474	323	323	323	0	0	0	0	0	0	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		547	380	89	149	88	206	285	198	206	231	162	70	62	107	192	120	140	276	262	273	390	129	347	275	394	364	300	338	252	232	278	277	294	277	181	178	198	60	53	136	177	159	169	160	91	106	136	145				
S.Reserve Total		1044	1376	1439	1771	1826	1948	2219	2243	2413	2450	2459	2441	2168	1986	1961	2041	2196	1684	1182	1138	1323	930	984	915	984	1459	1424	1359	1148	946	1047	1158	1046	1033	1090	1153	1406	1443	1451	1150	1028	1102	1011	1009	1423	1607	1533	1192				