

Availability At Daily Maximum Demand Hour

ST-Coal	1,680 MW
ST-Gas	0 MW
ST-Oil	70 MW
Gas	3,564 MW
Hydro	1,625 MW
Distillate	0 MW
Total TNB	6,939 MW
Total IPP	10,009 MW
Total Co-Gen	54 MW
System Total	17,002 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 19:30	
TNB Generation	4,976 MW
IPP Generation	7,602 MW
Total Set On Bus	13,796 MW
Maximum Demand	12,655 MW
Spinning Reserve	1,164 MW
Net Energy	273,053 MWH
Load Factor	89.9 %

Maximum Demand Record

Date :	13/05/2013	16,562.0 MW
Date :	25/06/2013	345,254.0 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	12210	11661	11272	10844	10713	10623	10399	10294	9952	10496	11178	11760	11658	11629	11725	11573	11572	11355	11207	11994	12460	12462	12272	11955

Gas Usage

Station	(mmscfd)
CBPS	45
GLGR	49
PAKA	177
PGPS	38
SRDG	2
TJGS	113
TNB Total	423
KLPP	73
MPSS	37
PGLA	53
PKLG	56
PLPS	77
SGRI	183
SKSP	52
YPGS	25
YPKA	78
IPP Total	633

Alternate Fuel Usage

Station	(mmscfd)
PKLG	41
Total	41

Generation Mix

Type	MWh	Percentage
ST-Coal	36,665.00	13.43 %
Gas	53,804.00	19.70 %
Hydro	12,829.00	4.70 %
Total TNB	103,298.0	37.83 %
ST-Coal	83,283.0	30.50 %
ST-Gas	5,455.0	2.00 %
ST-Oil	3,975.0	1.46 %
Gas	75,037.0	27.48 %
Total IPP	167,750.0	61.43 %
Co-Gen	1,333.0	0.49 %
Total Co-Gen	1,333.0	0.49 %
Total Generation	272,381.0	99.75 %
PLTG	27.0	0.01 %
HVDC	-699.0	-0.26 %
Interconnection	-672.0	-0.25 %
Net Energy	273,053.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	329
Hydro	111
Syncon	456
Thermal	101
Total	998

Total Gas	1,056
Total Gas Required :	1,098
Gas Calorific Value :	38.500

Weather
Temperature

Morning	Sunny	26
Afternoon	Rainy	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																									
Total Hydro	412	401	443	430	427	427	580	488	426	419	419	410	433	453	427	453	463	466	496	494	587	564	590	683	682	677	555	573	565	552	580	601	622	583	579	563	563	604	606	767	623	626	497	509	480	469	498	521	
PCUF CUFK	16	15	16	16	16	17	16	17	17	16	17	17	16	16	17	17	17	16	17	17	15	16	16	17	17	17	17	17	16	15	15	16	15	15	15	16	15	14	14	14	15	15	16	15	15	15	15	15	16
PCUF CUFK	40	39	41	40	41	40	39	40	40	37	41	40	40	41	40	41	41	40	39	40	39	40	39	40	40	39	38	39	38	38	36	39	40	40	40	41	41	41	38	40	41	37	42	39	41	39	40	39	
Total Co-Gen	56	54	57	56	57	57	55	57	57	53	58	57	56	57	57	58	58	56	56	57	54	56	55	57	57	56	55	56	54	53	51	55	55	55	55	57	56	55	52	54	56	52	58	54	56	54	55	55	
Total Gen	12183	11823	11663	11388	11172	10930	10767	10621	10657	10527	10596	10479	10321	10413	10208	9843	9838	10085	10457	10880	11282	11537	11732	11870	11688	11642	11678	11624	11648	11540	11539	11409	11444	11380	11282	11100	11151	11326	11991	12632	12567	12607	12386	12398	12218	12218	11981	11706	
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
TIE-HVDC	-29	-28	-30	-28	-29	-29	-29	-29	-28	-30	-29	-29	-30	-29	-29	-29	-28	-29	-29	-29	-29	-30	-29	-29	-30	-30	-29	-30	-29	-29	-30	-30	-30	-29	-29	-29	-29	-29	-29	-30	-29	-29	-29	-29	-29	-29	-29	-29	-28
TIE-PLTG	2	58	32	-109	-71	-84	-48	-26	-28	18	2	93	-48	-87	-57	-34	-86	-68	-10	-25	133	30	1	67	60	118	78	57	-47	-51	-5	-9	-98	-4	-44	-6	-27	82	26	7	136	15	-47	22	-25	122	55	-15	
Interconnection	-27	30	2	-137	-100	-113	-77	-55	-56	-12	-27	64	-78	-116	-86	-63	-114	-97	-39	-54	104	0	-28	38	30	88	49	28	-77	-80	-34	-39	-128	-34	-73	-35	-56	53	-3	-23	107	-14	-76	-7	-54	93	26	-43	
System Total	12210	11793	11661	11525	11272	11043	10844	10676	10713	10539	10623	10415	10399	10529	10294	9906	9952	10182	10496	10934	11178	11537	11760	11832	11688	11554	11629	11596	11725	11620	11573	11448	11572	11414	11355	11135	11207	11273	11994	12655	12460	12621	12462	12405	12272	12125	11955	11749	
SRev ST-Coal	93	170	123	97	104	108	91	110	99	105	21	111	96	104	107	250	286	305	291	100	97	97	106	100	106	108	109	114	100	99	103	98	96	90	157	136	129	147	118	143	114	163	108	61	129	189	167	138	
SRev ST-Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	37	37	41	9	2	-2	-1	12	2	2	12	40	41	71	69	69	69	39	6	-3	-3	-2	-4	-4	-5	-3	-4	
SRev ST-Oil	2	2	1	2	27	68	66	66	66	67	66	66	66	65	65	66	66	66	67	66	29	30	30	29	29	29	29	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas	331	213	366	442	624	731	428	476	389	503	521	629	824	744	920	1171	1150	877	548	637	324	186	127	261	393	437	232	364	368	473	496	572	535	668	651	804	809	669	302	175	333	337	436	491	522	195	267	235	
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
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
Syncon	625	625	625	625	625	625	323	474	625	625	625	625	625	474	625	625	625	625	625	625	474	625	474	625	625	625	625	625	474	474	625	625	625	625	625	625	625	625	625	625	625	474	485	485	625	625	625	625	474
Hydro	81	92	98	111	114	114	263	204	115	122	122	131	109	240	115	139	127	124	97	99	257	129	233	114	115	120	139	272	280	142	164	143	120	159	162	178	180	89	87	66	88	74	100	53	87	98	94	222	
S.Reserve Total	1132	1102	1213	1277	1494	1646	1171	1330	1294	1422	1355	1562	1720	1627	1832	2251	2254	1997	1628	1527	1218	1104	1007	1170	1277	1321	1132	1254	1234	1341	1390	1450	1416	1583	1666	1812	1812	1599	1171	1164	1082	1188	1127	1226	1359	1102	1150	1065	