

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	4,037 MW
Hydro	1,714 MW
Distillate	0 MW
Total TNB	7,201 MW
Total IPP	10,491 MW
Total Co-Gen	65 MW
System Total	18,321 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 11:30	
TNB Generation	4,728 MW
IPP Generation	9,223 MW
Total Set On Bus	14,974 MW
Maximum Demand	14,092 MW
Spinning Reserve	958 MW
Net Energy	294,521 MWH
Load Factor	87.1 %

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	11719	11060	10597	10334	10047	10033	10111	10362	10936	12515	13333	13972	13881	13595	13864	13822	13885	13447	12525	12709	13191	13023	12499	12125

Gas Usage

Station	(mmscfd)
CBPS	47
PAKA	187
PGPS	52
SRDG	44
TJGS	106
TNB Total	437
KLPP	100
MPSS	57
PDPS	8
PGLA	115
PKLG	8
PLPS	99
PTEK	9
SGB3	79
SGRI	212
SKSP	53
YPGS	33
YPKA	101
IPP Total	874
Total Gas	1,310
Total Gas Required :	1,310
Gas Calorific Value :	38,500

Generation Mix

Type	MWh	Percentage
ST-Coal	32,521.00	11.04 %
Gas	52,189.00	17.72 %
Hydro	11,260.00	3.82 %
Total TNB	95,970.0	32.59 %
ST-Coal	83,417.0	28.32 %
Gas	112,679.0	38.26 %
Total IPP	196,096.0	66.58 %
Co-Gen	1,621.0	0.55 %
Total Co-Gen	1,621.0	0.55 %
Total Generation	293,687.0	99.72 %
PLTG	-139.0	-0.05 %
HVDC	-695.0	-0.24 %
Interconnection	-834.0	-0.28 %
Net Energy	294,521.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	247
Hydro	113
Syncon	485
Thermal	87
Total	931

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																										
TMGR	HY04	33	36	33	30	31	38	35	36	36	34	37	36	39	39	37	35	42	36	33	50	52	76	76	76	73	76	76	76	76	73	35	35	33	30	29	35	31	40	31	33	37	37	34	27	31	33	36			
UPIA	HY01	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	5	5	
Total Hydro		465	345	299	278	274	340	274	310	271	266	261	303	318	345	362	407	459	463	455	309	517	669	784	785	610	542	546	628	642	664	769	466	465	462	453	462	426	327	352	677	595	601	601	572	437	410	414	420		
PCUF	CUFG	53	52	54	52	52	51	53	52	53	52	54	53	54	51	51	49	49	48	49	48	49	49	48	49	49	48	48	49	49	53	52	52	51	52	52	51	52	52	51	52	52	54	51	53						
PCUF	CUFK	16	15	16	16	17	16	16	15	17	16	16	16	16	17	16	16	19	16	15	17	15	16	16	16	15	17	16	16	17	16	16	16	16	16	16	17	18	18	17	17	16	17	16	16	17	16	15	17		
Total Co-Gen		69	67	70	68	69	67	69	67	70	68	70	68	68	71	66	67	65	65	63	66	64	65	66	64	65	66	64	64	64	64	64	65	66	71	70	69	68	68	69	67	68	69	70	66	70					
Total Gen		11750	11259	11034	10779	10570	10471	10287	10140	9999	9984	9978	10123	10048	10271	10280	10249	10907	11778	12528	12978	13305	13666	13901	14016	13839	13667	13614	13760	13822	13930	13862	13803	13865	13870	13434	12775	12504	12232	12634	13223	13169	12985	12992	12881	12509	12458	12189	12017		
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	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	-30	-29	-29	-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	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		60	-1	3	-2	2	11	-18	-30	-18	-63	-26	-24	-35	-85	-53	-26	0	11	41	-43	1	16	-42	-47	-13	72	48	45	-14	-57	69	-13	9	-18	16	-25	7	13	-45	1	7	-79	-3	-28	40	42	94	-79		
Interconnection		31	-30	-26	-31	-27	-19	-47	-59	-48	-92	-55	-53	-63	-113	-82	-55	-29	-18	13	-72	-28	-13	-71	-76	-42	43	19	16	-42	-86	40	-42	-20	-46	-13	-54	-21	-16	-75	-28	-22	-108	-31	-58	10	12	64	-107		
System Total		11719	11289	11060	10816	10597	10490	10334	10199	10047	10076	10033	10176	10111	10384	10362	10304	10936	11796	12515	13050	13333	13679	13972	14092	13881	13624	13595	13744	13864	14016	13822	13845	13885	13916	13447	12829	12525	12248	12709	13251	13191	13093	13023	12909	12499	12438	12125	12124		
SRev ST-Coal		117	114	125	117	114	182	185	242	324	327	320	322	321	319	324	308	213	117	102	108	113	114	115	114	110	109	115	115	107	107	107	106	112	103	112	110	101	106	90	100	104	110	102	104	109	105	108			
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
SRev CCGT-Gas		429	596	619	898	1115	1199	1312	1447	1462	1463	1472	1368	1459	1265	1279	1512	1145	802	461	345	278	193	258	207	184	189	207	172	180	170	323	227	194	172	284	636	915	1022	665	383	286	386	102	247	389	277	452	327		
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101	67	106	13	31	5	25	141	173	138	84	19	256	123	92	111	206	93	91	67	35	68	127	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	474	625	625	625	625	625	625	474	474	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625		
Hydro		178	98	144	165	320	103	169	133	172	176	180	139	275	248	79	135	83	79	87	133	124	249	7	6	131	100	96	138	149	279	107	101	104	107	115	258	143	240	217	116	200	194	191	297	130	96	92	85		
S.Reserve Total		1349	1433	1513	1805	2023	2109	2291	2447	2583	2591	2597	2454	2529	2306	2307	2580	2066	1623	1376	1278	1246	1042	1035	958	1079	1190	1210	1188	1153	1049	1418	1183	1121	1127	1333	1573	1884	2055	1648	1282	1338	1309	1028	1120	1248	1107	1274	1145		