

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,911 MW
Hydro	1,713 MW
Distillate	0 MW
Total TNB	7,074 MW
Total IPP	10,675 MW
Total Co-Gen	78 MW
System Total	17,827 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:00	
TNB Generation	4,789 MW
IPP Generation	10,032 MW
Total Set On Bus	16,050 MW
Maximum Demand	14,902 MW
Spinning Reserve	1,151 MW
Net Energy	308,027 MWH
Load Factor	86.1 %

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	11393	10951	10476	10128	10084	9878	10160	10136	11157	12911	13749	14327	14372	14015	14601	14715	14902	14617	13760	13952	14558	14407	13844	13622

Gas Usage

Station	(mmscfd)
CBPS	36
PAKA	150
PGPS	53
SRDG	71
TJGS	111
TNB Total	421
KLPP	113
MPSS	58
PDPS	25
PGLA	116
PKLG	101
PLPS	80
PTEK	47
SGB3	82
SGRI	207
SKSP	56
YPGS	30
YPKA	117
IPP Total	1,034
Total Gas	1,455

Total Gas Required : 1,455
Gas Calorific Value : 38,500
Generation Mix

Type	MWh	Percentage
ST-Coal	32,586.00	10.58 %
Gas	51,255.00	16.64 %
Hydro	14,643.00	4.75 %
Total TNB	98,484.0	31.97 %
ST-Coal	78,445.0	25.47 %
ST-Gas	8,248.0	2.68 %
Gas	120,671.0	39.18 %
Total IPP	207,364.0	67.32 %
Co-Gen	1,997.0	0.65 %
Total Co-Gen	1,997.0	0.65 %
Total Generation	307,845.0	99.94 %
PLTG	514.0	0.17 %
HVDC	-696.0	-0.23 %
Interconnection	-182.0	-0.06 %
Net Energy	308,027.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	250
Hydro	128
Syncon	437
Thermal	113
Total	929

	Weather	Temperature
Morning	Sunny	28
Afternoon	Hot	36

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	
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	
SIHY	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	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	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	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	
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	35	35	45	33	36	37	32	37	40	35	32	36	39	36	35	37	33	32	38	37	75	76	76	75	
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	
Total Hydro		497	446	434	434	418	421	410	442	425	416	409	418	424	418	416	302	412	409	447	421	617	728	861	950	
PCUF	CUFG	51	52	51	52	53	52	54	54	53	53	53	50	53	50	52	51	51	54	54	53	52	52	53	52	51
PCUF	CUFK	33	32	34	33	33	33	34	34	37	38	38	37	36	36	35	33	34	33	30	31	27	27	26	27	25
Total Co-Gen		84	84	85	85	86	85	88	88	90	91	91	90	86	89	89	86	88	86	84	88	87	84	84	79	79
Total Gen		11366	10959	10792	10682	10481	10354	10067	10044	10080	9914	9824	10025	10110	10266	10144	10422	11150	12022	12908	13297	13829	14156	14393	14496	
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		-29	-30	-29	-29	-29	-29	-29	-29	-29	-29	-30	-28	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		2	8	-130	6	34	-44	-32	24	25	15	-25	83	-21	72	36	57	23	105	26	-36	109	45	95	9	
Interconnection		-27	-22	-159	-23	5	-73	-61	-5	-4	-13	-54	-50	42	8	27	-7	76	-3	-66	80	17	66	-20	42	
System Total		11393	10981	10951	10795	10476	10427	10128	10049	10084	9927	9878	9971	10160	10224	10136	10395	11157	11946	12911	13363	13749	14139	14327	14516	
SRev ST-Coal		201	205	199	204	195	199	204	200	198	192	182	190	186	192	130	126	124	131	105	108	109	110	106	113	
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	38	30	30	61	64	67	69	75	42	45	17	2	0	
SRev CCGT-Gas		203	278	93	200	394	515	792	847	790	953	1046	945	880	724	1253	1052	980	508	190	244	369	181	198	201	
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	
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		474	474	625	474	625	625	625	474	625	625	625	625	625	625	625	625	625	625	474	625	539	539	539	539	
Hydro		157	208	69	220	85	82	92	211	77	86	93	84	78	85	87	201	91	94	207	81	121	110	101	163	
S.Reserve Total		1035	1165	986	1098	1299	1421	1713	1732	1690	1856	1946	1844	1807	1656	2125	2065	1884	1425	1149	1136	1216	1063	995	1032	