

Availability At Daily Maximum Demand Hour

ST-Coal	1,990 MW
ST-Gas	80 MW
ST-Oil	80 MW
Gas	4,451 MW
Hydro	1,614 MW
Distillate	0 MW
Total TNB	8,215 MW
Total IPP	10,527 MW
Total Co-Gen	73 MW
System Total	18,815 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:30		
TNB Generation	6,516 MW	
IPP Generation	8,352 MW	
Total Set On Bus	15,795 MW	
Maximum Demand	15,068 MW	
Spinning Reserve	854 MW	
Net Energy	311,569 MWH	
Load Factor	86.2 %	

Maximum Demand Record

Date :	09/05/2011	15,476.0 MW
Date :	24/04/2012	320,821.0 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	11836	11194	10815	10529	10509	10264	10719	10732	11270	12881	13678	14400	14493	14144	14727	14859	15027	14652	13731	13305	14367	14363	13725	13430

Gas Usage

Station	(mmscfd)
CBPS	46
GLGR	58
PAKA	177
PGPS	23
SRDG	14
TJGS	167
TNB Total	486
KLPP	50
PGLA	90
PLPS	100
SGB3	85
SGRI	69
SKSP	54
YPGS	34
YPKA	134
IPP Total	617
Total Gas	1,102
Total Gas Required :	1,222
Gas Calorific Value :	38.500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	120
Total	120

Generation Mix

Type	MWh	Percentage
ST-Coal	47,402.00	15.21 %
Gas	62,510.00	20.06 %
Hydro	22,384.00	7.18 %
Total TNB	132,296.0	42.46 %
ST-Coal	84,129.0	27.00 %
ST-Oil	11,732.0	3.77 %
Gas	80,092.0	25.71 %
Distillate	805.0	0.26 %
Total IPP	176,758.0	56.73 %
Co-Gen	2,029.0	0.65 %
Total Co-Gen	2,029.0	0.65 %
Total Generation	311,083.0	99.84 %
PLTG	212.0	0.07 %
HVDC	-698.0	-0.22 %
Interconnection	-486.0	-0.16 %
Net Energy	311,569.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	447
Hydro	170
Syncon	220
Thermal	65
Total	902

Weather Temperature

Weather	Temperature
Morning	Cloudy 30
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																										
TMGR	HY03	37	37	71	74	59	79	34	0	0	0	0	0	0	0	40	38	52	34	36	68	82	74	68	76	84	84	84	84	81	45	84	84	78	81	78	82	71	84	63	74	80	69	36	58	73	69				
TMGR	HY04	39	41	70	71	58	72	37	41	47	38	61	46	77	55	40	41	42	42	51	37	38	66	79	74	66	74	80	80	79	79	78	48	80	80	75	77	75	79	69	80	62	69	76	66	38	57	73	67		
UPLA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
UPLA	HY02	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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Total Hydro		757	781	960	967	853	912	562	508	594	423	566	600	663	636	560	459	763	756	817	763	825	948	1104	1064	1030	966	998	1146	1232	1374	1263	1318	1271	1386	1253	1152	954	945	911	1295	1352	1306	1210	1111	923	875	885	874		
PCUF	CUFG	48	49	50	49	49	49	47	48	48	49	50	48	48	46	47	49	50	47	49	48	48	48	47	48	49	48	48	49	49	47	47	47	48	47	47	48	46	45	46	45	45	47	48	49	49	48	48	47		
PCUF	CUFK	33	33	35	35	35	32	34	36	35	33	34	36	35	35	35	35	37	34	34	31	28	30	26	26	24	25	25	24	25	24	24	24	25	25	26	26	27	27	26	27	29	28	26	27	30	32	32	32	32	
Total Co-Gen		81	82	85	84	84	81	84	83	82	84	84	83	81	82	84	87	81	83	79	76	78	73	74	73	73	73	73	74	71	71	72	73	73	73	75	73	71	73	74	73	73	75	79	81	80	80	79			
Total Gen		11829	11504	11198	11211	10770	10833	10531	10412	10472	10202	10287	10316	10612	10812	10734	10512	11300	12200	12847	13285	13780	14151	14417	14558	14456	14151	14112	14404	14642	14911	14870	15030	14941	14941	14687	14200	13707	13286	13274	14200	14387	14497	14336	14060	13755	13705	13388	12980		
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	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-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	
TIE-PLTG		22	2	33	2	-16	-30	31	-3	-8	119	52	15	-77	-13	31	0	59	71	-5	-26	131	-15	46	-42	-8	-23	-2	4	-56	2	40	60	-57	-98	64	-18	5	-51	-2	58	49	25	2	66	59	71	-13	7		
Interconnection		-7	-27	4	-27	-45	-59	2	-32	-37	90	23	-14	-107	-43	2	-29	30	41	-34	-55	102	-44	17	-71	-37	-52	-32	-26	-85	-27	11	31	-86	-127	35	-47	-24	-80	-31	29	20	-4	-27	37	30	42	-42	-22		
System Total		11836	11531	11194	11238	10815	10892	10529	10444	10509	10112	10264	10330	10719	10855	10732	10541	11270	12159	12881	13340	13678	14195	14400	14629	14493	14203	14144	14430	14727	14938	14859	14999	15027	15068	14652	14247	13731	13366	13305	14171	14367	14501	14363	14023	13725	13663	13430	13002		
SRev	ST-Coal	42	50	49	48	52	59	53	126	158	232	322	320	181	75	80	151	76	61	73	58	77	67	73	80	73	82	93	75	61	140	76	60	67	64	62	64	61	64	68	70	65	67	70	64	63	40	47	46		
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	ST-Oil	3	3	56	56	56	56	56	56	56	56	56	56	56	56	56	27	4	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
SRev	CCGT-Gas	617	959	962	941	1149	1106	1091	1086	1080	1104	1069	1076	984	969	979	1203	1032	997	888	662	507	516	446	324	397	629	524	383	288	369	382	391	427	535	660	440	627	884	860	323	502	392	380	459	579	523	638	775		
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
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		453	302	453	453	453	453	539	539	539	539	388	539	388	453	302	539	453	453	453	453	453	453	453	302	604	453	453	453	302	151	151	151	0	151	151	0	302	302	453	453	151	0	0	151	302	453	453	453	453	
Hydro		393	520	190	183	196	137	479	298	209	330	338	153	236	198	425	289	206	213	175	279	220	147	191	79	114	178	146	149	214	77	188	284	180	65	349	148	246	104	141	134	229	275	220	168	230	178	168	179		
S.Reserve Total		1508	1834	1710	1681	1906	1811	2218	2105	2042	2311	2173	2144	1850	1756	1847	2243	1799	1733	1596	1459	1264	1190	1018	1093	1044	1349	1223	916	789	863	923	764	854	854	1108	957	1238	1507	1524	844	902	817	980	1000	1332	1201	1308	1455		