

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,605 MW
Hydro	1,860 MW
Distillate	0 MW
Total TNB	7,605 MW
Total IPP	10,464 MW
Total Co-Gen	83 MW
System Total	18,152 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30	
TNB Generation	6,578 MW
IPP Generation	8,679 MW
Total Set On Bus	16,331 MW
Maximum Demand	15,339 MW
Spinning Reserve	991 MW
Net Energy	317,423 MWH
Load Factor	86.2 %

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	12206	11716	11192	10932	10536	10474	10700	10829	11493	13430	14351	15022	15060	14699	15120	15213	15175	14772	13897	13986	14511	14220	13645	13247

Gas Usage

Station	(mmscfd)
CBPS	51
GLGR	65
PAKA	186
PGGS	3
PGPS	45
SRDG	48
TJGS	108
TNB Total	506
KLPP	107
MPSS	58
PDPS	43
PGLA	116
PLPS	98
PTEK	39
SGRI	216
SKSP	54
YPGS	52
YPKA	116
IPP Total	897
Total Gas	1,403
Total Gas Required :	1,403
Gas Calorific Value :	38,500

Generation Mix

Type	MWh	Percentage
ST-Coal	49,645.00	15.64 %
Gas	61,510.00	19.38 %
Hydro	20,122.00	6.34 %
Total TNB	131,277.0	41.36 %
ST-Coal	69,570.0	21.92 %
ST-Gas	1,350.0	0.43 %
Gas	114,096.0	35.94 %
Total IPP	185,016.0	58.29 %
Co-Gen	1,941.0	0.61 %
Total Co-Gen	1,941.0	0.61 %
Total Generation	318,234.0	100.26 %
PLTG	92.0	0.03 %
HVDC	719.0	0.23 %
Interconnection	811.0	0.26 %
Net Energy	317,423.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	383
Hydro	267
Syncon	187
Thermal	70
Total	906

Weather Temperature

	Weather	Temperature
Morning	Sunny	27
Afternoon	Hot	34

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	32	33	34	34	35	37	37	31	29	30	37	38	40	42	33	32	34	35	43	35	39	35	34	38																											
UPIA	HY01	5	5	4	5	5	4	4	5	5	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5																											
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																											
Total Hydro		663	532	521	527	323	250	226	214	215	217	228	233	236	261	348	371	432	539	593	581	805	1083	1237	1219	1327	760	690	1015	1199	1412	1409	1404	1411	1430	1313	1288	941	912	901	1425	1386	1414	1344	1382	1351	1243	982	530			
PCUF	CUFG	16	15	17	15	29	45	44	44	45	46	45	43	45	45	44	43	44	43	43	41	43	46	42	44	44	41	41	41	44	45	45	45	45	47	46	44	43	43	43	44	43	43	43	43	43						
PCUF	CUFK	39	40	40	41	39	37	40	40	39	41	40	40	40	40	38	41	39	40	39	39	40	39	40	39	38	40	39	39	38	40	39	39	39	39	41	39	40	38	41	40	39	40	39	40	39	40	39	40	39		
Total Co-Gen		55	55	57	56	68	82	84	84	84	87	85	83	86	85	85	85	84	85	85	85	82	84	83	83	82	80	83	85	82	83	82	81	80	80	82	85	84	84	84	88	85	84	81	84	83	83	83	82			
Total Gen		12282	11966	11779	11425	11209	11061	10924	10729	10674	10711	10485	10592	10667	10774	10896	11183	11546	12661	13402	13996	14378	14696	15044	15105	15138	14783	14718	15037	15066	15340	15200	15197	15179	15138	14892	14457	13868	13750	13918	14644	14590	14505	14353	14001	13737	13515	13303	13042			
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	0
TIE-HVDC		31	31	29	29	29	30	30	30	30	30	31	31	29	29	30	30	30	30	30	31	30	30	29	29	29	29	31	31	30	30	29	29	30	30	30	30	29	29	30	30	30	30	30	30	30	30	30	30	31		
TIE-PLTG		45	26	34	19	12	7	38	41	108	22	19	33	64	33	38	38	23	18	59	52	3	14	8	99	48	1	12	127	84	28	42	17	25	23	89	88	59	9	97	8	49	1	103	16	62	20	26	12			
Interconnection		76	5	63	10	17	36	-8	71	138	52	11	-3	-33	-2	67	67	53	12	-28	83	27	44	22	-69	78	29	19	157	-54	1	-13	12	4	8	120	118	-29	20	-68	38	79	29	133	14	92	50	56	19			
System Total		12206	11961	11716	11415	11192	11025	10932	10658	10536	10659	10474	10595	10700	10776	10829	11116	11493	12649	13430	13913	14351	14652	15022	15174	15060	14754	14699	14880	15120	15339	15213	15185	15175	15130	14772	14339	13897	13730	13986	14606	14511	14476	14220	13987	13645	13465	13247	13023			
SRev ST-Coal		64	72	78	102	55	74	72	60	75	60	86	60	74	101	97	67	74	67	120	116	111	86	64	67	68	66	67	66	67	55	61	62	84	115	121	121	111	125	100	65	68	60	64	81	68	64	65	62			
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	0
SRev CCGT-Gas		362	469	455	720	711	781	898	1093	1134	1117	1326	1248	1165	1055	1024	890	960	550	244	216	219	163	151	156	179	67	150	202	242	219	248	272	277	280	299	299	463	481	407	190	187	141	189	379	494	442	532	343			
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	129	149	53	90	147	60	155	55	73	280	311	286	367	339	336	312	185	274	149	212	183	237	249	197	224	190	80	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		474	625	625	625	726	726	726	726	726	726	726	726	726	575	726	575	726	625	625	625	474	323	172	172	172	323	474	323	172	86	86	86	86	86	86	86	86	86	323	323	172	172	172	172	172	172	323	625			
Hydro		98	77	90	84	87	208	84	93	92	90	79	74	71	197	159	287	75	71	68	104	181	415	434	452	345	231	146	303	322	345	349	553	348	327	346	371	205	235	395	243	285	259	327	289	320	258	167	83			
S.Reserve Total		998	1243	1248	1531	1579	1789	1780	1972	2027	1993	2217	2108	2036	1928	2006	1819	1835	1313	1186	1210	1038	1075	968	907	919	742	910	1174	1114	991	1111	1112	1131	1120	1037	1151	1251	1376	1257	907	961	829	976	1111	1134	936	1087	1113			