

Availability At Daily Maximum Demand Hour

ST-Coal	2,030 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,585 MW
Hydro	1,811 MW
Distillate	0 MW
Total TNB	7,496 MW
Total IPP	10,765 MW
Total Co-Gen	81 MW
System Total	18,342 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30	
TNB Generation	6,405 MW
IPP Generation	8,523 MW
Total Set On Bus	16,022 MW
Maximum Demand	15,044 MW
Spinning Reserve	1,013 MW
Net Energy	310,511 MWH
Load Factor	86.0 %

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	12002	11318	10895	10685	10410	10107	10384	10532	11278	13047	13987	14696	14641	14384	14865	14962	14778	14399	13573	13524	14079	13916	13348	12873

Gas Usage

Station	(mmscfd)
CBPS	55
GLGR	65
PAKA	156
PGPS	51
SRDG	43
TJGS	115
TNB Total	485
KLPP	118
MPSS	59
PDPS	11
PGLA	113
PKLG	48
PLPS	103
PTEK	17
SGRI	201
SKSP	37
YPKA	109
IPP Total	817
Total Gas	1,302

Total Gas Required : 1,304
Gas Calorific Value : 38,500

Alternate Fuel Usage

Station	(mmscfd)
SRDG	2
Total	2

Generation Mix

Type	MWh	Percentage
ST-Coal	48,940.00	15.76 %
Gas	59,424.00	19.14 %
Hydro	17,098.00	5.51 %
Distillate	204.00	0.07 %
Total TNB	125,666.0	40.47 %
ST-Coal	79,571.0	25.63 %
ST-Gas	4,646.0	1.50 %
Gas	99,376.0	32.00 %
Total IPP	183,593.0	59.13 %
Co-Gen	1,936.0	0.62 %
Total Co-Gen	1,936.0	0.62 %
Total Generation	311,195.0	100.22 %
PLTG	-45.0	-0.01 %
HVDC	729.0	0.23 %
Interconnection	684.0	0.22 %
Net Energy	310,511.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	450
Hydro	259
Syncon	204
Thermal	79
Total	991

	Weather	Temperature
Morning	Sunny	28
Afternoon	Hot	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																									
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	57	54	51	53	56	58	58	57	56	55	64	57	8	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0								
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	57	56	55	53	55	59	58	57	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	57	57	55	55	59	59	57	54	54	61	58	0	0	0	0	51	68	0	0	0	0	0	0	0	0	-1	-1	-1					
TMGR	HY04	33	34	31	33	30	31	33	30	31	28	24	32	30	31	31	35	35	37	31	34	33	35	35	56	57	55	54	54	58	58	56	54	54	61	57	34	35	39	35	52	65	35	34	36	33	35	32	33	
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	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
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	5	5	5	6	7	7	6	6	5	6	6	6	6	6	6	6	6	6	5	5	5	5	5		
Total Hydro		666	613	476	309	184	211	183	177	177	173	167	196	192	176	178	221	346	535	349	598	1068	1186	1291	1444	1426	1379	1275	1310	1448	1456	1415	1282	1140	1210	1048	749	515	553	567	891	1016	927	809	621	519	535	491	510	
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	107	122	120	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	107	122	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PCUF	CUFG	41	41	40	41	41	42	41	43	42	41	43	41	42	43	42	41	41	41	39	39	38	39	40	40	40	41	40	39	40	40	39	40	41	42	42	43	43	42	41	42	42	41	42	42	42	42	42		
PCUF	CUFK	38	39	39	41	39	40	38	39	40	38	40	39	41	40	40	42	41	40	40	39	39	39	39	40	40	40	38	40	41	39	40	38	40	40	41	38	39	40	40	39	40	41	39	40	40	39	38	38	
Total Co-Gen		79	80	79	82	80	82	79	83	81	84	81	82	85	83	81	81	81	80	78	78	77	79	80	80	78	81	81	78	80	78	79	80	82	80	81	83	83	81	81	83	81	83	81	81	82	81	80		
Total Gen		11977	11706	11386	11289	10938	10899	10770	10439	10429	10266	10181	10322	10404	10410	10559	10899	11303	12386	13157	13759	14000	14354	14686	14839	14702	14521	14456	14669	14853	15009	14994	14955	14849	14806	14472	13976	13606	13315	13512	14054	14138	14077	13973	13688	13382	13225	12907	12768	
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	
TIE-HVDC		30	31	31	29	29	31	31	29	31	30	30	31	31	31	31	30	30	29	29	30	30	30	30	30	30	30	31	31	30	30	31	31	31	31	31	31	30	30	31	31	31	31	31	31	31	31	30	30	
TIE-PLTG		-55	-16	37	-37	14	-32	54	13	-12	16	44	-24	-11	64	-3	-56	-6	-122	79	3	-17	-61	-39	-13	31	15	42	69	-42	-65	1	-15	41	10	42	2	2	-67	-42	-52	28	-4	26	-75	3	61	4	74	
Interconnection		-25	15	68	-8	43	-1	85	42	19	46	74	7	20	94	27	-25	25	-91	110	33	13	-32	-10	17	61	45	72	99	-12	-35	32	16	71	40	73	33	33	-36	-12	-22	59	27	57	-44	34	92	34	104	
System Total		12002	11691	11318	11297	10895	10900	10685	10397	10410	10220	10107	10315	10384	10316	10532	10924	11278	12477	13047	13726	13987	14386	14696	14822	14641	14476	14384	14570	14865	15044	14962	14939	14778	14766	14399	15943	13573	13351	13524	14076	14079	14050	13916	13732	13348	13133	12873	12664	
SRev	ST-Coal	88	100	96	95	108	90	101	100	103	105	116	175	168	164	164	117	93	97	99	92	106	91	95	87	85	88	75	78	69	57	92	96	105	111	95	91	94	78	97	95	92	88	89	99	96	103	83	79	
SRev	ST-Gas	0	0	0	0	0	0	0	0	0	0	44	30	31	33	35	39	41	42	25	3	-1	-2	-2	-2	-1	-1	-1	-1	-2	-2	-2	-2	-2	-3	-1	-1	-2	41	42	5	-1	-1	-2	-2	-2	-2	-2	-2	-2
SRev	CCGT-Gas	169	236	142	76	287	373	460	789	796	950	1032	909	1296	1295	1192	1004	877	843	544	414	650	497	312	387	467	603	580	398	370	512	398	389	350	464	464	424	401	672	474	342	390	356	353	310	348	215	368	179	
SRev	OCGT-Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	238	152	153	149	123	155	197	238	235	234	229	101	121	174	104	4	38	3	50	64	65	32	32	32	33	61	0	0	0	0	0	0
SRev	Distillate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		323	323	625	625	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726		
Hydro		257	309	143	111	136	107	137	142	143	146	152	124	128	143	142	98	173	86	272	349	206	238	338	347	364	412	365	330	353	345	384	333	323	254	315	302	150	111	147	260	287	290	257	295	146	130	173	110	
S.Reserve Total		837	968	1006	907	1257	1296	1424	1757	1768	1927	2070	1964	2349	2361	2259	1984	1910	1693	1803	1484	1286	1145	1038	974	1112	1340	1405	1190	1019	1013	993	1027	1020	1045	1128	1207	1318	1591	1450	1208	1123	1098	1053	1237	1213	1156	1332	1076	