

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	3,324 MW
Hydro	1,833 MW
Distillate	0 MW
Total TNB	7,367 MW
Total IPP	10,475 MW
Total Co-Gen	63 MW
System Total	17,905 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:00

TNB Generation	6,208 MW
IPP Generation	9,509 MW
Total Set On Bus	16,663 MW
Maximum Demand	15,807 MW
Spinning Reserve	883 MW
Net Energy	322,755 MWH
Load Factor	85.1 %

Maximum Demand Record

Date :	19/03/2013	16,133.0 MW
Date :	20/03/2013	333,019.0 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	12135	11579	11077	10827	10518	10557	10754	10918	11786	13640	14469	15275	15172	14896	15356	15563	15807	15360	14265	13980	14939	14825	14397	13935

Gas Usage

Station	(mmscfd)
CBPS	77
GLGR	56
PAKA	93
PGPS	24
SRDG	87
TJGS	110
TNB Total	448
KLPP	105
MPSS	50
PDPS	39
PGLA	112
PKLG	20
PLPS	99
PTEK	32
SGRI	213
SKSP	55
YPGS	69
YPKA	68
IPP Total	863
Total Gas	1,311

Total Gas Required : 1,379

Gas Calorific Value : 38,500

Alternate Fuel Usage

Station	(mmscfd)
PGPS	4
PKLG	64
Total	68

Generation Mix

Type	MWh	Percentage
ST-Coal	49,637.00	15.38 %
ST-Oil	377.00	0.12 %
Gas	52,289.00	16.20 %
Hydro	18,615.00	5.77 %
Total TNB	120,918.0	37.46 %
ST-Coal	85,074.0	26.36 %
ST-Gas	579.0	0.18 %
ST-Oil	6,250.0	1.94 %
Gas	108,854.0	33.73 %
Total IPP	200,757.0	62.20 %
Co-Gen	1,743.0	0.54 %
Total Co-Gen	1,743.0	0.54 %
Total Generation	323,418.0	100.21 %
PLTG	-61.0	-0.02 %
HVDC	724.0	0.22 %
Interconnection	663.0	0.21 %
Net Energy	322,755.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	303
Hydro	281
Syncon	233
Thermal	29
Total	846

Weather Temperature

Weather	Temperature
Morning	Sunny 25
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																											
PNOR	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																											
PGAU	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																											
PGAU	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																											
PGAU	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																											
PGAU	HY04	-1	-1	-1	62	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																											
SIHY	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																											
SIHY	HY02	50	50	50	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30																											
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	-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	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																											
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	36	40	33	32	37	37	33	32	35	37	34	34	40	39	36	39	35	37	45	40	43	44	58	58																											
UPIA	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																											
Total Hydro		566	475	356	399	348	346	234	164	168	172	167	176	175	171	202	515	520	1073	1162	1178	1190	1234	1138	1085	775	741	786	1030	1180	1170	1181	1200	1205	1142	1232	899	768	714	1210	1223	1191	1134	1091	1034	1009	948	893				
PCUF	CUFG	34	35	35	35	35	36	34	35	35	35	35	36	36	35	36	35	36	35	36	35	36	35	36	35	36	35	36	35	36	35	36	35	36	35	36	35	36	35	36	35	36	35	36	35	36	35	36				
PCUF	CUFK	32	33	33	33	32	33	33	33	34	33	35	33	35	34	36	35	35	33	35	35	33	35	34	32	27	28	28	28	25	28	28	27	28	28	28	29	29	30	30	30	31	30	29	33	33	34	34	33	34		
Total Co-Gen		66	68	68	68	67	68	69	67	69	67	70	68	70	69	72	71	70	71	68	69	69	69	66	61	64	63	64	60	63	64	62	62	63	62	64	64	65	64	66	66	65	64	67	69	68	69	68	68			
Total Gen		12150	11930	11693	11438	11122	11012	10847	10640	10531	10578	10599	10687	10800	10949	10908	11047	11857	12803	13551	14181	14573	14876	15384	15358	15266	14991	14928	15047	15416	15751	15644	15767	15779	15759	15531	14995	14344	14806	13952	14837	14957	14926	14885	14820	14532	14303	13939	13741			
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	30	30	30	31	31	29	29	30	30	30	30	30	30	29	29	30	30	31	31	30	30	30	30	30	31	31	30	30	30	30	30	30	31	31	30	30	31	31	30	30	30	30	31	31	30	30	31	31	30	
TIE-PLTG		-15	-114	84	-16	15	15	-11	-13	-16	-44	12	30	16	-25	-40	-62	42	-65	-119	13	73	17	79	-22	64	69	1	-44	30	20	52	7	-57	13	141	114	48	48	-58	32	-13	29	30	40	105	14	-27	8			
Interconnection		15	-84	114	14	45	46	20	16	13	-14	42	60	46	5	-10	-33	71	-35	-89	44	104	47	109	8	94	100	32	-14	60	50	32	37	-27	43	171	145	79	78	-28	63	18	59	60	70	135	45	4	22			
System Total		12185	12014	11579	11424	11077	10966	10827	10624	10518	10592	10557	10627	10754	10944	10918	11080	11786	12838	13640	14137	14469	14829	15275	15350	15172	14891	14896	15061	15356	15701	15562	15730	15806	15716	15360	14850	14265	13928	13980	14774	14939	14867	14825	14750	14397	14258	13935	13719			
SRev ST-Coal		6	20	10	3	-4	8	12	-5	7	-6	5	7	7	0	-5	-12	9	2	9	7	14	9	14	12	9	14	17	-22	65	22	15	15	13	16	18	13	10	17	13	10	15	24	23	20	15	9	20	15			
SRev ST-Gas		26	26	27	27	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		0	0	0	0	0	26	26	27	27	27	26	26	27	27	26	26	55	23	28	28	28	28	28	28	28	28	28	18	3	11	9	4	5	62	24	6	-3	-3	-5	-4	-2	-2	-4	-4	-4	-4	-6	3			
SRev CCGT-Gas		494	611	741	1036	1307	1281	1331	1483	1585	1553	1608	1516	1414	1155	1200	1298	1285	442	247	243	186	154	206	166	252	261	261	233	208	235	249	226	243	293	392	435	476	242	251	163	191	177	174	205	264	202	124	127			
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	53	17	61	28	75	83	80	117	144	196	286	190	182	166	270	258	210	182	181	220	97	100	93	74	295	338	136	59		
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		625	731	731	580	731	731	731	731	731	731	731	731	731	731	731	731	580	625	625	323	323	323	323	323	237	237	323	539	474	474	474	323	323	323	323	323	323	237	237	539	625	625	323	323	172	172	323	323	323	323	323
Hydro		88	78	92	200	100	102	107	127	123	119	124	124	115	116	120	240	95	90	274	305	289	277	319	415	382	171	120	75	141	287	298	287	268	263	327	237	268	213	117	258	244	427	484	376	433	458	421	376			
S.Reserve Total		1244	1471	1606	1851	2160	2148	2207	2363	2473	2424	2494	2404	2294	2029	2072	2132	2069	1182	881	937	893	808	865	886	1069	1181	980	895	1035	1074	1180	1045	1034	1123	1353	1271	1585	1361	1182	970	868	898	942	994	1326	1326	1018	953			