

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	70 MW
Gas	4,209 MW
Hydro	1,520 MW
Distillate	0 MW
Total TNB	7,869 MW
Total IPP	10,264 MW
Total Co-Gen	86 MW
System Total	18,219 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 20:00		
TNB Generation	5,596 MW	
IPP Generation	8,551 MW	
Total Set On Bus	15,205 MW	
Maximum Demand	14,359 MW	
Spinning Reserve	972 MW	
Net Energy	315,219 MWH	
Load Factor	91.5 %	

Maximum Demand Record

Date :	13/05/2013	16,562.0 MW
Date :	14/05/2013	344,423.0 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	13720	13075	12626	12122	11842	11519	11753	11423	11226	12422	13307	14002	14045	13732	14089	14139	14083	13753	13335	13135	14359	14297	13992	13779

Gas Usage

Station	(mmscfd)
CBPS	57
GLGR	57
PAKA	190
PGPS	52
SRDG	57
TJGS	104
TNB Total	517
KLPP	112
MPSS	53
PDPS	16
PGLA	109
PKLG	29
PLPS	101
PTEK	10
SGB3	36
SGRI	167
YPGS	33
YPKA	103
IPP Total	770
Total Gas	1,287

Total Gas Required : 1,287
Gas Calorific Value : 38,500

Generation Mix

Type	MWh	Percentage
ST-Coal	49,664.00	15.76 %
Gas	63,202.00	20.05 %
Hydro	9,495.00	3.01 %
Total TNB	122,361.0	38.82 %
ST-Coal	91,414.0	29.00 %
ST-Gas	943.0	0.30 %
Gas	97,368.0	30.89 %
Total IPP	189,725.0	60.19 %
Co-Gen	2,318.0	0.74 %
Total Co-Gen	2,318.0	0.74 %
Total Generation	314,404.0	99.74 %
PLTG	-119.0	-0.04 %
HVDC	-696.0	-0.22 %
Interconnection	-815.0	-0.26 %
Net Energy	315,219.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	287
Hydro	100
Syncon	285
Thermal	171
Total	843

Weather Temperature

Weather	Temperature
Morning	Sunny 27
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	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	HY04	32	30	32	36	25	34	32	30	34	37	30	36	36	33	30	26	35	33	41	37	76	79	76	78	80	33	33	32	77	75	33	34	76	40	29	36	36	31	34	57	80	80	79	77	76	43	32	81				
UPLA	HY01	5	4	5	4	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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
Total Hydro		164	162	167	201	154	209	163	165	171	203	159	195	195	173	164	155	171	187	217	308	528	722	863	842	675	500	478	441	678	744	657	644	589	554	411	431	424	396	398	451	504	579	498	493	477	458	523	469				
PCUF	CUFG	48	52	52	51	51	51	53	53	55	52	53	52	53	54	53	52	52	50	53	51	51	51	51	51	52	53	54	52	53	52	54	51	52	51	53	52	51	53	54	52	51	52	54	52	52	52	52	52				
PCUF	CUFK	39	40	39	37	40	39	38	39	38	37	40	38	40	37	38	40	39	39	38	37	38	36	36	36	35	36	34	33	33	34	35	35	33	34	33	33	35	34	34	33	34	35	38	38	38	39	38	40				
Total Co-Gen		87	92	91	88	91	90	91	92	93	89	93	90	93	91	91	92	91	89	91	88	89	87	87	88	88	90	86	86	85	87	87	89	84	86	84	86	87	85	87	87	86	86	90	92	90	91	90	92				
Total Gen		13739	13378	13145	12795	12656	12430	12139	11979	11877	11778	11551	11717	11664	11629	11509	11252	11212	11818	12270	12916	13297	13696	13912	14056	13963	13813	13741	13813	14035	14106	14043	14112	14038	14007	13688	13302	13246	13029	13073	13858	14233	14316	14228	14145	13959	13784	13716	13696				
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		
TIE-HVDC		-31	-28	-30	-30	-29	-29	-30	-28	-28	-29	-29	-29	-30	-30	-30	-28	-30	-28	-28	-28	-28	-28	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28			
TIE-PLTG		50	60	100	-21	59	-29	47	-16	63	40	61	-23	-60	127	116	93	16	7	-122	-101	18	-15	-62	4	-52	-17	38	22	-25	-62	-68	-85	-16	-22	-36	-91	-60	-74	-33	-82	-97	16	-40	-21	-4	-61	-35	-98				
Interconnection		19	32	70	-51	30	-58	17	-46	35	12	32	-52	-89	98	86	63	-14	-21	-152	-129	-10	-43	-90	-24	-82	-47	9	-7	-54	-91	-96	-114	-45	-81	-65	-120	-89	-103	-62	-111	-126	-13	-69	-50	-33	-90	-63	-126				
System Total		13720	13346	13075	12846	12626	12488	12122	12025	11842	11766	11519	11769	11753	11531	11423	11189	11226	11859	12422	13045	13307	13739	14002	14080	14045	13860	13732	13820	14089	14197	14139	14226	14083	14058	13753	13422	13335	13132	13135	13969	14359	14329	14297	14195	13992	13874	13779	13822				
SRev	ST-Coal	212	211	226	245	209	217	217	233	214	220	221	216	210	221	233	240	266	216	334	221	219	216	214	210	224	194	203	203	207	204	207	207	217	223	186	198	208	206	204	215	202	205	199	196	189	218	191	177				
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	ST-Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	196	459	577	873	1041	1306	1557	1690	1830	1944	2130	2006	2065	2064	2174	2210	2087	1411	870	211	294	322	321	313	285	286	320	320	324	325	328	315	338	353	501	571	658	842	808	267	261	252	239	245	262	223	380	258				
SRev	OCGT-Gas	36	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	107	109	18	92	21	24	27	26	32	31	111	44	40	37	45	153	156	161	157	89	-6	-8	22	-1	47	4	6	2					
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	
SRev	Syncron	494	494	494	494	494	494	494	494	494	494	494	494	494	494	494	494	494	494	494	388	237	302	151	151	388	388	388	474	237	388	151	302	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	
SRev	Hydro	141	143	138	104	151	247	142	140	134	102	146	110	110	132	141	150	134	269	88	103	139	63	98	119	49	224	246	197	197	65	304	166	49	84	129	109	91	119	117	89	36	112	42	47	63	82	143	46				
S.Reserve Total		1084	1314	1440	1721	1900	2118	2415	2562	2677	2765	2996	2831	2884	2916	3047	3099	2986	2244	1791	928	1001	1017	807	890	972	1121	1189	1225	1002	1018	1106	1039	1123	1156	1340	1510	1592	1807	1765	1139	972	889	981	966	1040	1006	1048	962				