

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,232 MW
Hydro	1,755 MW
Distillate	0 MW
Total TNB	7,127 MW
Total IPP	11,079 MW
Total Co-Gen	54 MW
System Total	18,260 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 20:00	
TNB Generation	5,253 MW
IPP Generation	8,639 MW
Total Set On Bus	15,022 MW
Maximum Demand	13,957 MW
Spinning Reserve	1,076 MW
Net Energy	302,167 MWH
Load Factor	90.2 %

Maximum Demand Record

Date :	13/05/2013	16,562.0MW
Date :	25/06/2013	345,254.0MWH

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	12952	12335	11838	11477	11316	10885	11143	10879	10793	11967	12813	13477	13527	13202	13440	13488	13443	13228	12653	12817	13957	13898	13547	13324

Gas Usage

Station	(mmscfd)
CBPS	50
GLGR	30
PAKA	99
PGPS	41
SRDG	13
TJGS	109
TNB Total	342
KLPP	108
MPSS	48
PDPS	3
PGLA	114
PKLG	8
PLPS	91
PTEK	4
SGB3	37
SGRI	173
SKSP	57
YPKA	132
IPP Total	777
Total Gas	1,119

Total Gas Required : 1,119
Gas Calorific Value : 38,500

Generation Mix

Type	MWh	Percentage
ST-Coal	49,622.00	16.42 %
Gas	43,425.00	14.37 %
Hydro	17,279.00	5.72 %
Total TNB	110,326.0	36.51 %
ST-Coal	88,601.0	29.32 %
ST-Gas	385.0	0.13 %
Gas	100,712.0	33.33 %
Total IPP	189,698.0	62.78 %
Co-Gen	1,395.0	0.46 %
Total Co-Gen	1,395.0	0.46 %
Total Generation	301,419.0	99.75 %
PLTG	-50.0	-0.02 %
HVDC	-698.0	-0.23 %
Interconnection	-748.0	-0.25 %
Net Energy	302,167.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	276
Hydro	178
Syncon	266
Thermal	98
Total	817

Weather Temperature

	Weather	Temperature
Morning	Sunny	25
Afternoon	Hot	35

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																										
Total Gen	12891	12584	12192	11980	11770	11603	11420	11293	11248	11063	10841	10894	11837	11091	10919	10684	10790	11462	11968	12364	12774	13196	13428	13563	13474	13184	13149	13289	13341	13448	13485	13479	13471	13434	13235	12925	12703	12610	12684	13398	13948	13884	13818	13671	13506	13275	13250	13188		
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	-29	-29	-29	-29	-29	-28	-28	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-30	-30	-30	-30	-29	-29	-29	-29	-30	-30	-30	-30	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG	-33	4	-115	-16	-39	8	-30	-11	-39	49	-16	29	-77	93	69	45	26	5	29	-108	-9	-11	-21	-34	-24	-11	-23	31	-69	-89	25	-33	56	47	35	61	79	80	-105	-135	17	42	-52	19	-12	-38	-46	25		
Interconnection	-62	-25	-144	-45	-68	-20	-58	-40	-68	21	-44	0	-106	64	40	16	-5	-24	0	-138	-39	-40	-50	-63	-53	-19	-53	1	-99	-118	-4	-62	27	17	5	31	49	-51	-134	-163	-11	13	-81	-10	-41	-67	-75	-4		
System Total	12953	12609	12336	12025	11838	11623	11478	11333	11316	11042	10885	10894	11143	11027	10879	10668	10793	11486	11968	12502	12813	13236	13478	13566	13527	13203	13202	13288	13440	13566	13489	13541	13444	13417	13230	12894	12654	12559	12818	13561	13959	13871	13899	13681	13547	13342	13325	13192		
SRev ST-Coal	122	135	119	119	126	119	124	127	123	136	121	125	121	122	124	246	232	126	121	125	120	121	122	124	123	122	123	123	125	122	123	121	123	126	122	122	125	125	115	118	129	122	119	116	123	125	165	178		
SRev ST-Gas	24	13	40	40	37	34	32	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	468	309	233	418	370	513	684	773	758	922	1155	1095	957	906	1060	1163	1065	681	584	358	347	282	302	315	402	424	398	408	355	341	372	289	286	307	353	254	335	376	405	168	222	246	244	290	324	387	227	255		
SRev OCGT-Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	1	1	1	2	2	1	2	2	2	2	2	2	84	0	0	0	152	16	12	11	11	1	15	30	30		
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	323	625	625	625	625	625	625	625	625	625	625	625	625	625	625	474	625	625	474	474	388	237	237	237	237	237	237	237	237	151	151	151	151	151	539	625	625	625	474	237	237	237	237	237	237	237	237	237	
Hydro	96	120	89	100	86	67	44	47	87	86	96	99	97	101	99	105	108	220	165	88	164	183	135	191	152	196	252	260	255	162	191	209	208	228	304	213	184	201	107	252	320	360	341	306	301	243	220	236		
S.Reserve Total	1335	900	1106	1302	1244	1358	1509	1602	1593	1769	1997	1944	1800	1754	1908	2139	2030	1501	1495	1196	1105	1092	947	868	915	980	1012	1030	973	1014	989	922	920	964	1082	1212	1269	1327	1252	1164	1074	977	952	960	986	1007	879	936		