

Availability At Daily Maximum Demand Hour

ST-Coal	2,070	MW
ST-Gas	0	MW
ST-Oil	145	MW
Gas	4,246	MW
Hydro	1,730	MW
Distillate	0	MW
Total TNB	8,191	MW
Total IPP	10,506	MW
Total Co-Gen	70	MW
System Total	18,767	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 19:30		
TNB Generation	5,525	MW
IPP Generation	7,643	MW
Total Set On Bus	14,227	MW
Maximum Demand	13,299	MW
Spinning Reserve	989	MW
Net Energy	289,545	MWH
Load Factor	90.7	%

Maximum Demand Record

Date :	20/06/2012	15,826.0 MW
Date :	20/06/2012	328,716.0 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	12522	11754	11264	10955	10713	10547	10647	10444	10414	11699	12446	13050	12964	12630	12895	12987	12999	12614	12114	12315	13261	13244	12834	12660

Gas Usage

Station	(mmscfd)
CBPS	58
GLGR	57
PAKA	91
PGPS	41
TJGS	193
TNB Total	440
KLPP	102
MPSS	54
PGLA	7
PLPS	117
SGB3	79
SGRI	52
SKSP	54
YPGS	34
YPKA	130
IPP Total	628
Total Gas	1,068
Total Gas Required :	1,200
Gas Calorific Value :	38,500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	133
Total	133

Generation Mix

Type	MWh	Percentage
ST-Coal	49,520.00	17.10 %
Gas	58,131.00	20.08 %
Hydro	8,751.00	3.02 %
Total TNB	116,402.0	40.20 %
ST-Coal	76,523.0	26.43 %
ST-Oil	13,054.0	4.51 %
Gas	81,004.0	27.98 %
Total IPP	170,581.0	58.91 %
Co-Gen	1,976.0	0.68 %
Total Co-Gen	1,976.0	0.68 %
Total Generation	288,959.0	99.80 %
PLTG	111.0	0.04 %
HVDC	-697.0	-0.24 %
Interconnection	-586.0	-0.20 %
Net Energy	289,545.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	243
Hydro	152
Syncon	476
Thermal	16
Total	887

Weather Temperature

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
YPGS	ST10	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
YPKA	BLK1	368	368	368	367	367	367	366	366	365	365	365	366	366	363	361	361	359	359	360	360	358	358	359	359
YPKA	BLK2	366	365	365	365	365	365	365	363	362	362	363	363	365	365	362	360	359	356	356	356	356	356	358	358
PLPS	GT11	116	121	138	139	121	114	113	115	114	126	116	139	139	138	139	137	113	134	137	137	137	137	138	120
PLPS	GT12	139	117	142	142	144	121	121	121	117	117	142	142	119	117	144	122	144	121	144	141	141	141	117	144
PLPS	GT13	117	119	136	135	122	112	113	112	114	123	115	138	136	136	114	112	135	114	137	130	137	137	137	135
PLPS	ST18	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230
SKSP	BLK1	338	256	339	338	277	233	211	212	217	234	224	258	261	259	305	216	258	328	344	346	348	341	340	339
TJGS	GT1A	222	225	229	225	225	225	225	190	159	159	219	214	229	226	226	155	158	197	211	227	224	224	224	221
TJGS	GT1B	219	223	223	223	223	223	185	152	152	221	205	223	223	149	152	187	207	222	222	219	219	219	219	219
TJGS	ST1C	255	255	255	255	255	255	243	197	197	242	240	255	255	255	214	197	220	224	255	255	255	255	255	255
TJGS	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43	52	123	122	220	221	220	220	220
TJGS	GT2B	84	221	226	221	223	220	167	164	164	164	164	164	224	224	224	163	164	161	162	219	222	220	118	118
TJGS	ST2C	70	121	121	121	121	121	94	103	103	103	103	102	122	121	121	102	103	103	104	121	120	117	191	196
Total CCGT-Gas		6013	5376	5271	5107	5014	4916	4704	4627	4520	4437	4513	4590	4723	4719	4626	4332	4456	5055	5501	5878	6232	6351	6399	6401
BSIA	HY03	10	13	12	12	10	10	11	8	11	10	10	11	10	6	11	11	10	13	11	11	12	11	13	11
CEND	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
CEND	HY02	8	8	8	8	8	8	8	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
CEND	HY03	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
KNRG	HY01	36	36	36	36	33	33	34	33	34	35	33	35	35	29	31	34	33	35	34	33	33	34	32	32
KNYR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	97	97	97	97	97
KNYR	HY03	52	69	60	61	54	57	61	49	61	62	59	66	63	62	38	50	60	66	78	71	97	97	96	96
KNYR	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
LP1A	HY01	21	21	21	21	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
PGAU	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
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	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	HY01	50	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	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	50	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	-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	32	47	39	40	32	34	38	26	39	39	36	43	40	40	17	28	37	31	43	37	36	41	37	45
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		274	209	191	193	172	178	188	159	211	190	182	199	193	191	133	163	186	183	213	258	313	500	673	849
PCUF	CUF6	43	43	43	44	43	43	44	43	43	43	44	44	44	43	44	44	44	43	42	41	40	38	37	39
PCUF	CUFG	40	38	39	39	39	39	38	40	38	38	39	38	38	38	38	38	38	36	35	32	31	33	29	31
Total Co-Gen		83	81	82	83	82	82	83	81	81	82	83	82	82	82	81	82	82	82	79	77	73	71	73	67
Total Gen		12551	11922	11699	11431	11260	11103	10945	10749	10649	10521	10461	10481	10596	10643	10529	10195	10374	11040	11585	12024	12430	12715	12977	13118
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
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		58	-58	-26	-58	25	67	19	76	-35	-47	-57	-86	-21	-82	114	-21	-11	29	-85	9	13	-8	-43	-5

Daily MW Generation On Saturday

22-Sep-2012

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																									
Interconnection		29	-87	-55	-87	-4	38	-10	47	-64	-76	-86	-116	-51	-111	85	-50	-40	0	-114	-20	-16	-38	-73	-34	-59	12	36	0	-11	-27	-21	-35	-50	-45	-18	41	-22	24	45	-61	-36	-53	-22	16	-3	-53	-16	-76	
System Total		12522	12009	11754	11518	11264	11065	10955	10702	10713	10597	10547	10597	10647	10754	10444	10245	10414	11040	11699	12044	12446	12753	13050	13152	12964	12653	12630	12806	12895	13065	12987	12950	12999	12801	12614	12327	12114	12159	12315	13299	13261	13283	13244	13001	12834	12901	12660	12344	
SRev ST-Coal		4	-72	29	92	55	63	45	69	60	20	144	150	155	96	65	137	154	95	32	15	14	33	8	39	2	15	17	33	24	31	21	24	29	6	22	17	15	22	27	15	24	30	30	28	24	14	23	14	
SRev ST-Oil		-2	-1	-1	0	0	0	0	0	0	0	-75	-6	0	6	0	-3	-51	-62	-71	-3	-3	-3	-17	-17	-14	1	1	0	0	0	0	23	25	17	14	11	3	1	1	0	0	1	1	1	1	-1	-1	1	
SRev CCGT-Gas		590	937	907	936	1029	1127	1339	1416	1523	1476	1160	1083	950	954	1047	1341	1217	854	548	432	193	284	406	404	289	483	448	296	245	175	226	252	176	359	480	562	813	737	661	164	193	182	189	288	372	223	391	310	
SRev OCGT-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
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		726	726	726	726	726	726	726	575	726	726	726	726	726	726	726	726	726	726	726	726	726	474	474	323	625	625	625	625	625	625	625	474	625	625	625	625	625	625	625	474	625	625	474	625	625	474	625		
Hydro		128	93	111	109	130	124	114	143	242	112	120	103	109	111	169	139	116	119	89	144	79	144	221	196	256	236	269	266	249	157	216	236	121	114	90	246	180	161	154	336	161	160	316	134	143	139	316	118	
S.Reserve Total		1446	1683	1772	1863	1940	2040	2224	2354	2400	2334	2075	2056	1940	1893	2007	2340	2162	1732	1324	1314	1009	932	1092	945	1158	1360	1360	1220	1143	988	1088	1009	976	1171	1231	1461	1636	1546	1468	989	1003	998	1010	1076	1165	1000	1203	1068	