

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	4,256 MW
Hydro	1,830 MW
Distillate	0 MW
Total TNB	8,296 MW
Total IPP	10,422 MW
Total Co-Gen	75 MW
System Total	18,793 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 21:30		
TNB Generation	5,260 MW	
IPP Generation	7,256 MW	
Total Set On Bus	13,435 MW	
Maximum Demand	12,573 MW	
Spinning Reserve	844 MW	
Net Energy	261,789 MWH	
Load Factor	86.8 %	

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	11528	11128	10674	10154	9961	9959	9832	9415	9209	9701	10496	10818	10950	10925	11153	11329	11416	11086	10863	11636	12451	12535	12394	12019

Gas Usage

Station	(mmscfd)
CBPS	60
GLGR	61
PGPS	26
SRDG	6
TJGS	205
TNB Total	359
KLPP	83
MPSS	60
PGLA	56
PLPS	91
SGB3	67
SKSP	57
YPGS	34
YPKA	96
IPP Total	545
Total Gas	904

Total Gas Required : 961
Gas Calorific Value : 38,500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	58
Total	58

Generation Mix

Type	MWh	Percentage
ST-Coal	48,906.00	18.68 %
Gas	48,526.00	18.54 %
Hydro	8,696.00	3.32 %
Total TNB	106,128.0	40.54 %
ST-Coal	77,986.0	29.79 %
ST-Oil	5,622.0	2.15 %
Gas	70,912.0	27.09 %
Total IPP	154,520.0	59.02 %
Co-Gen	1,870.0	0.71 %
Total Co-Gen	1,870.0	0.71 %
Total Generation	262,518.0	100.28 %
PLTG	6.0	0.00 %
HVDC	723.0	0.28 %
Interconnection	729.0	0.28 %
Net Energy	261,789.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	149
Hydro	114
Syncon	525
Thermal	2
Total	791

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				
SRDG	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	100	99	99	100	100	0	0
SRDG	GT02	0	0	0	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 OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	100	99	99	100	100	0	0
BSIA	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11	12	12	11	0	0	
BSIA	HY03	11	11	12	11	11	10	11	10	11	11	11	12	12	13	11	11	12	11	11	12	11	13	13	11	13	13	12	23
CEND	HY02	10	9	10	9	10	10	10	10	9	10	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY03	10	9	10	10	10	10	10	10	10	9	9	9	10	10	10	10	10	9	10	10	10	10	9	10	9	10	10	10
KNRG	HY01	34	33	35	33	34	33	34	33	34	33	34	33	33	33	34	34	35	35	33	34	35	34	33	33	34	33	22	21
KNYR	HY01	98	97	99	59	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	20	19	20	24	24	21	21
KNYR	HY02	68	60	99	59	88	59	55	90	54	58	80	58	75	61	55	51	59	62	67	62	100	60	76	100	72	59	58	74
KNYR	HY03	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY04	96	97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	94	94	94
LPJA	HY01	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
MNOR	HY01	6	6	6	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	3	3	3	3
PGAU	HY01	-1	-1	-1	-1	-1	-1	21	-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	-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	-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	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	0	0	0	0
SIHY	HY02	50	50	0	0	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	50	0	0	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	HY01	25	0	0	0	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	25	0	0	0	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	25	0	0	0	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	25	0	0	0	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	-1	-1	-1	-1
TMGR	HY02	37	36	45	33	40	35	34	39	33	36	39	33	40	38	33	34	33	40	41	40	48	38	37	43	35	35	36	39
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	-1	-1	-1	-1
TMGR	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	0	0	0	0
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	5
Total Hydro		649	479	337	241	215	181	174	238	172	202	206	177	201	206	173	169	177	187	196	191	324	208	200	232	194	179	180	200
PCUF	CUFG	45	45	45	46	46	46	46	46	46	47	46	47	46	44	44	42	42	44	43	43	42	42	42	42	44	47	48	48
PCUF	CUFK	30	29	30	29	28	29	29	30	29	30	31	31	31	31	30	28	25	24	24	25	24	21	23	24	23	22	23	24
Total Co-Gen		75	74	75	75	74	75	75	76	75	76	78	77	78	79	77	78	77	75	74	70	67	68	67	68	65	63	65	67
Total Gen		11499	11282	11122	10831	10691	10446	10257	10222	10029	9927	9927	9722	9778	9829	9556	9290	9253	9443	9723	10068	10476	10707	10891	11085	11005	10928	10983	11209
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
TIE-HVDC		29	31	31	29	29	29	29	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	29	29	31	31	30
TIE-PLTG		-58	-29	-37	10	-12	19	74	-5	38	36	-62	-47	-84	23	111	18	14	8	-8	-4	-50	-23	43	-44	25	-45	27	28
Interconnection		-29	2	-6	39	17	48	103	25	68	66	-32	-17	-54	53	141	48	44	38	22	26	-20	7	73	-14	55	-14	58	57
System Total		11528	11280	11128	10792	10674	10398	10154	10197	9961	9861	9959	9739	9832	9776	9415	9242	9209	9405	9701	10042	10496	10700	10818	11099	10950	10942	10925	11152
SRev ST-Coal		14	29	10	18	15	12	15	6	29	170	163	170	144	151	273	373	390	402	401	304	274	160	156	10	24	10	15	23
SRev ST-Oil		-7	-8	-8	-7	-7	-7	28	28	37	38	38	38	38	38	38	38	38	38	38	38	28	28	2	-10	-10	-9	-9	-9
SRev CCGT-Gas		335	367	195	161	277	262	246	293	387	379	392	560	555	503	619	776	805	683	479	320	342	245	133	140	165	238	321	179
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

Daily MW Generation On Sunday

28-Oct-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																								
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								
Syncon	625	625	625	625	726	726	575	726	575	726	726	726	726	726	726	726	726	726	726	726	625	474	474	625	625	625	625	625	625	625	625	625	625	625	625	625	625											
Hydro	194	114	56	152	77	111	118	205	120	241	86	115	91	237	119	123	115	105	96	101	119	235	92	60	98	113	112	92	111	64	201	234	73	108	127	106	131	153	250	135	206	315	137	134	238	239	156	140
S.Reserve Total	1246	1262	963	1034	1173	1189	1218	1192	1384	1488	1490	1694	1639	1589	1860	2121	2074	1954	1740	1489	1338	1243	1109	926	1003	1078	1165	1011	1064	932	931	1001	950	1103	1114	1256	1451	1630	1472	884	914	1015	857	844	1012	971	1069	952