

Availability At Daily Maximum Demand Hour

ST-Coal	630 MW
ST-Gas	155 MW
ST-Oil	0 MW
Gas	4,287 MW
Hydro	1,619 MW
Distillate	60 MW
Total TNB	6,751 MW
Total IPP	10,572 MW
Total Co-Gen	68 MW
System Total	17,671 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 20:30	
TNB Generation	3,411 MW
IPP Generation	7,488 MW
Total Set On Bus	11,909 MW
Maximum Demand	10,988 MW
Spinning Reserve	942 MW
Net Energy	236,074 MWH
Load Factor	89.5 %

Maximum Demand Record

Date :	09/05/2011	15,476.0 MW
Date :	10/05/2011	318,459.0 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	10777	10251	10039	9544	9426	9442	9147	8910	8546	8963	9289	9898	9951	9900	10062	10060	10045	9863	9920	10357	10807	10986	10893	10513

Gas Usage

Station	(mmscfd)
CBPS	52
GLGR	43
PGPS	49
TJGS	147
TNB Total	291
KLPP	82
MPSS	28
PGLA	85
PLPS	117
SGB3	60
SKSP	52
YPGS	29
YPKA	92
IPP Total	545
Total Gas	835

Total Gas Required : 873
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	38
Total	38

Generation Mix

Type	MWh	Percentage
ST-Coal	22,872.00	9.69 %
Gas	40,143.00	17.00 %
Hydro	12,701.00	5.38 %
Total TNB	75,716.0	32.07 %
ST-Coal	79,946.0	33.86 %
ST-Oil	3,629.0	1.54 %
Gas	74,003.0	31.35 %
Total IPP	157,578.0	66.75 %
Co-Gen	1,800.0	0.76 %
Total Co-Gen	1,800.0	0.76 %
Total Generation	235,094.0	99.58 %
PLTG	-459.0	-0.19 %
EGAT	182.0	0.08 %
HVDC	-703.0	-0.30 %
Interconnection	-980.0	-0.42 %
Net Energy	236,074.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	189
Hydro	120
Syncon	432
Thermal	249
Total	990

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		
BSIA	HY01	11	12	12	12	12	12	11	12	12	11	11	11	11	12	12	12	12	12	12	23	23	23	23	22	22	22
CEND	HY01	10	9	10	9	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	
CEND	HY02	9	10	10	9	9	10	9	9	9	9	9	9	9	10	9	9	9	9	9	9	9	9	10	10	10	
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
KNRG	HY01	35	35	35	36	36	34	35	34	35	35	35	21	23	21	25	24	24	23	24	21	21	21	22	24	24	
KNRG	HY02	37	37	37	37	37	37	37	37	37	37	37	21	20	22	21	21	21	21	21	21	21	21	21	21	21	
KNRG	HY03	37	37	37	37	37	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNYR	HY01	96	82	93	98	97	95	85	67	98	87	89	-1	-1	-1	-1	-1	-1	-1	-1	97	97	91	97	97		
KNYR	HY02	80	77	81	104	102	98	62	68	104	84	94	54	77	64	61	76	101	59	105	96	105	86	102	61		
KNYR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	102	101	101	96	102		
LPJA	HY01	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	
LPJA	HY02	19	19	19	20	19	19	19	20	19	19	19	20	19	20	20	19	19	19	19	19	19	19	19	19	19	
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	7	7	6		
PGAU	HY01	-1	-1	-1	-1	109	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	79	-1	-1	-1	-1		
PGAU	HY02	-1	20	82	81	-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	-1	-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	50	50	50	50	50		
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50		
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50		
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25		
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25		
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	24	24	24	24		
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25		
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	46	53	66	83	84	63	40	38	84	51	63	38	38	40	39	44	84	39	84	81	84	78	84	42		
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	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		
UPIA	HY02	4	4	4	4	4	5	4	4	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
Total Hydro		422	434	525	569	596	476	388	334	451	386	410	253	297	265	263	251	319	230	327	334	425	384	422			
PCUF	CUFG	51	52	52	53	52	51	51	54	50	55	51	53	50	53	50	52	53	51	51	52	51	50	49	51		
PCUF	CUFK	29	19	21	19	20	20	21	21	19	22	22	20	20	21	20	20	21	21	20	19	18	18	17	19		
Total Co-Gen		80	71	73	72	72	71	72	75	71	74	73	75	70	73	74	70	72	71	71	69	68	66	70			
Total Gen		10676	10464	10209	10012	9855	9724	9511	9331	9312	9344	9365	9075	9119	9053	8945	8446	8523	8779	8963	9208	9330	9659	9842			
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	48	50	52	53	54	54	54	0	0	0	0		
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-31	-31	-28	-31	-31	-28	-29	-29	-29	-29	-30		
TIE-PLTG		-72	13	-13	-63	-155	-5	-4	-97	-85	19	-47	11	1	-8	64	-37	6	91	-17	2	-20	-12	-79			
Interconnection		-101	-16	-42	-92	-184	-34	-33	-126	-114	-11	-77	-18	-28	-37	35	-66	-23	60	0	24	41	11	-56			
System Total		10777	10480	10251	10104	10039	9758	9544	9457	9426	9355	9442	9093	9147	9090	8910	8512	8546	8719	8963	9184	9289	9648	9898			
SRev ST-Coal		178	201	205	215	271	275	290	288	287	291	290	286	288	325	321	414	420	424	401	395	356	360	296			
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		
SRev ST-Oil		28	28	28	28	28	28	28	28	28	29	29	29	29	29	29	28	28	29	29	28	28	29	29	28		
SRev CCGT-Gas		250	262	256	256	223	150	147	428	477	376	387	511	514	513	500	728	713	515	471	422	375	194	259			
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		

Daily MW Generation On Sunday

28-Aug-2011

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 Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	
Syncon		625	474	474	474	474	475	625	625	625	625	626	475	626	626	626	626	475	475	475	626	626	474	474	474	625	474	625	625	474	474	323	474	474	625	625	625	625	625	625	625	625	625	625	625				
Hydro		92	231	140	96	69	189	126	142	25	90	66	117	224	105	107	119	51	140	43	187	51	92	54	179	138	138	240	177	174	20	118	96	191	210	163	130	50	60	176	190	321	154	143	176	75	143	80	97
S.Reserve Total		1173	1196	1103	1069	1065	1116	1066	1511	1442	1410	1397	1569	1530	1598	1583	1916	1839	1734	1569	1507	1436	1300	1262	1323	1282	1343	1404	1283	1266	1278	1258	1050	1124	1123	1218	1413	1372	1632	1286	1176	1072	942	1164	1390	1364	1329	1409	1354