

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,380	MW
ST-Gas	0	MW
ST-Oil	140	MW
Gas	4,406	MW
Hydro	1,721	MW
Distillate	0	MW
<b>Total TNB</b>	<b>7,647</b>	<b>MW</b>
<b>Total IPP</b>	<b>11,305</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>84</b>	<b>MW</b>
<b>System Total</b>	<b>19,600</b>	<b>MW</b>

**Set On Bus, TNB, IPP And MD**

At Daily Maximum Demand Hour : 21:00		
TNB Generation	5,186	MW
IPP Generation	8,171	MW
Total Set On Bus	14,252	MW
Maximum Demand	13,463	MW
Spinning Reserve	811	MW
Net Energy	283,040	MWH
Load Factor	87.6	%

**Maximum Demand Record**

<b>Date :</b>	20/06/2012	15,826.0 MW
<b>Date :</b>	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	11487	11050	10765	10172	10020	9875	9920	9987	10045	11130	12027	12587	12740	12556	12788	12989	12960	12817	12305	12192	13391	13463	13139	12935

**Gas Usage**

Station	(mmscfd)
CBPS	46
GLGR	57
PAKA	85
PGPS	42
SRDG	3
TJGS	218
<b>TNB Total</b>	<b>451</b>
KLPP	104
MPSS	57
PGLA	90
PLPS	102
SGB3	90
SKSP	54
YPGS	33
YPKA	130
<b>IPP Total</b>	<b>660</b>
<b>Total Gas</b>	<b>1,111</b>
<b>Total Gas Required :</b>	<b>1,111</b>
<b>Gas Calorific Value :</b>	<b>38.500</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	32,392.00	11.44 %
Gas	59,830.00	21.14 %
Hydro	9,549.00	3.37 %
<b>Total TNB</b>	<b>101,771.0</b>	<b>35.96 %</b>
ST-Coal	93,523.0	33.04 %
Gas	86,074.0	30.41 %
<b>Total IPP</b>	<b>179,597.0</b>	<b>63.45 %</b>
Co-Gen	2,201.0	0.78 %
<b>Total Co-Gen</b>	<b>2,201.0</b>	<b>0.78 %</b>
<b>Total Generation</b>	<b>283,569.0</b>	<b>100.19 %</b>
PLTG	-110.0	-0.04 %
HVDC	639.0	0.23 %
<b>Interconnection</b>	<b>529.0</b>	<b>0.19 %</b>
<b>Net Energy</b>	<b>283,040.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	191
Hydro	196
Syncon	385
Thermal	15
<b>Total</b>	<b>786</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 26
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
TJGS	ST1C	258	258	243	240	243	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257
TJGS	GT2A	208	210	211	210	210	164	163	164	163	165	164	162	163	164	164	164	210	209	210	207	206	206	206	206
TJGS	GT2B	216	215	218	218	218	161	162	163	161	161	161	162	161	161	164	161	218	218	218	216	213	213	213	213
TJGS	ST2C	260	259	259	259	259	260	226	227	227	226	227	226	227	226	227	260	259	259	258	257	256	258	259	258
Total CCGT-Gas		5622	5385	5286	5127	5108	4876	4573	4744	4634	4536	4519	4485	4555	4712	4629	4634	4722	5297	5621	6085	6320	6605	6733	6870
SRDG	GT05	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	0	0	0	0
BSIA	HY01	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
CEND	HY01	10	10	10	10	10	9	10	10	10	9	10	10	10	9	10	10	9	10	9	9	10	10	10	10
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
KNRG	HY01	32	32	30	32	33	30	29	33	33	30	31	29	32	33	31	30	33	32	30	31	30	29	30	30
KNYR	HY01	79	71	58	62	69	57	59	101	69	61	72	58	70	89	62	66	70	71	63	60	87	68	76	63
KNYR	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
KNYR	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
KNYR	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
LPJA	HY01	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	17	17	17	17	17	20	20
MNOR	HY01	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	1	1	1	1	1	1	2	2
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	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	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	21	21	20	20	20	20	20	23	82	81	81	81
SIHY	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
SIHY	HY02	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	50	50	50	50	50	49	50	49	50	49	50	49	50	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	25	25	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	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	34	35	32	35	34	29	32	38	37	33	36	31	37	37	34	36	37	39	36	33	36	35	37	34
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	0	0	0	0	0	7	7	7	7	7	7	7	7	7	7	5	5	5	5	5	5	5	5	5
Total Hydro		347	340	322	331	338	337	320	381	272	256	271	250	272	313	282	238	244	219	205	199	234	272	388	434
PCUF	CUFG	50	52	51	51	52	53	51	52	52	49	52	50	50	51	52	51	52	51	51	52	50	53	53	51
PCUF	CUFK	34	33	33	33	35	33	33	34	33	34	33	34	35	34	34	34	34	32	33	33	33	36	37	33
Total Co-Gen		84	85	84	84	87	86	84	86	85	83	85	84	85	85	86	85	86	85	84	85	83	89	90	84
Total Gen		11433	11202	11081	10781	10773	10539	10209	10201	9990	9871	9866	9820	9924	10105	9997	9957	10068	10709	11183	11753	12027	12349	12609	12766
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	-30	-30	30	30	30	29	29	31	31	30	30	31	31	31	31	31	31	31	30	30	30	31	31
TIE-PLTG		-25	-41	61	-49	-22	48	7	-9	-59	-38	-40	29	-26	3	-21	-19	-8	15	22	69	-31	-22	-9	
Interconnection		-54	-71	31	-19	8	78	37	20	-30	-7	-9	59	4	34	10	12	23	46	53	100	0	9	22	
System Total		11487	11273	11050	10800	10765	10461	10172	10181	10020	9878	9875	9761	9920	10071	9987	9945	10045	10663	11130	11653	12027	12340	12587	12750
SRev ST-Coal		27	15	18	158	157	157	165	307	298	300	306	296	285	302	297	297	281	287	124	19	13	20	25	
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
SRev CCGT-Gas		326	613	712	871	890	1122	1445	1274	1384	1482	1499	1533	1463	1306	1389	1384	1433	1088	906	842	607	422	324	

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 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	24	0	0	0	0	94	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	0	0	
Syncon	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726
Hydro	90	97	115	106	99	251	117	62	96	112	97	118	96	206	237	231	225	225	239	245	210	172	201	255	256	258	270	246	250	228	214	357	227	229	278	246	257	240	241	52	191	174	184	232	372	355	266	137				
S.Reserve Total	1169	1451	1571	1861	1872	2105	2453	2369	2504	2620	2628	2673	2570	2389	2498	2487	2514	2175	1844	1681	1405	1189	974	956	942	1130	1166	1035	1035	1027	987	992	1020	1126	1062	1112	1345	1485	1478	935	894	819	811	890	1047	864	956	1147				