

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	4,245 MW
Hydro	1,667 MW
Distillate	0 MW
<b>Total TNB</b>	<b>8,122 MW</b>
<b>Total IPP</b>	<b>11,063 MW</b>
<b>Total Co-Gen</b>	<b>85 MW</b>
<b>System Total</b>	<b>19,270 MW</b>

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

At Daily Maximum Demand Hour : 20:30	
TNB Generation	4,905 MW
IPP Generation	7,502 MW
Total Set On Bus	13,545 MW
Maximum Demand	12,525 MW
Spinning Reserve	1,053 MW
Net Energy	274,133 MWH
Load Factor	91.2 %

**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	11832	11153	10794	10624	10152	10257	10166	10187	9996	10886	11642	12271	12216	11844	12122	11990	11994	11669	11506	11627	12509	12445	11984	11872

**Gas Usage**

Station	(mmscfd)
GLGR	56
PGPS	36
TJGS	209
<b>TNB Total</b>	<b>301</b>
KLPP	103
MPSS	48
PGLA	109
PLPS	115
SGB3	73
YPGS	35
YPKA	134
<b>IPP Total</b>	<b>616</b>
<b>Total Gas</b>	<b>917</b>

Total Gas Required : 917  
Gas Calorific Value : 38.500

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,409.00	18.02 %
Gas	41,556.00	15.16 %
Hydro	13,603.00	4.96 %
<b>Total TNB</b>	<b>104,568.0</b>	<b>38.14 %</b>
ST-Coal	86,186.0	31.44 %
ST-Oil	158.0	0.06 %
Gas	80,493.0	29.36 %
<b>Total IPP</b>	<b>166,837.0</b>	<b>60.86 %</b>
Co-Gen	2,364.0	0.86 %
<b>Total Co-Gen</b>	<b>2,364.0</b>	<b>0.86 %</b>
<b>Total Generation</b>	<b>273,769.0</b>	<b>99.87 %</b>
PLTG	332.0	0.12 %
HVDC	-696.0	-0.25 %
<b>Interconnection</b>	<b>-364.0</b>	<b>-0.13 %</b>
<b>Net Energy</b>	<b>274,133.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	285
Hydro	138
Syncon	468
Thermal	15
<b>Total</b>	<b>905</b>

	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
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
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
CEND	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
KNRG	HY02	21	21	21	21	20	21	22	21	22	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
KNRG	HY03	20	20	19	19	19	20	20	19	19	20	19	19	29	30	29	29	28	28	27	27	27	28	28	28
KNYR	HY01	102	102	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNYR	HY02	100	100	60	59	58	74	102	58	88	96	100	96	98	82	76	69	94	103	103	72	85	80	92	100
KNYR	HY03	103	101	60	60	59	0	0	0	0	0	0	0	0	0	0	0	101	103	99	100	102	96	98	97
KNYR	HY04	103	101	61	60	59	0	0	0	0	0	0	0	0	0	0	0	102	103	99	101	103	97	99	98
LPIA	HY01	21	21	21	20	20	21	20	21	20	20	21	20	20	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	0	-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	-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	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
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	25	25	25	25	16	16
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	16	16	16
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	16	16	16
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	16	16	16
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	67	78	79	78	77	80	83	76	78	80	79	78	79	78	76	78	51	34	39	32	40	58	58	61
TMGR	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
TMGR	HY04	64	-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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
<b>Total Hydro</b>		<b>666</b>	<b>606</b>	<b>383</b>	<b>378</b>	<b>373</b>	<b>278</b>	<b>309</b>	<b>249</b>	<b>281</b>	<b>292</b>	<b>295</b>	<b>288</b>	<b>292</b>	<b>295</b>	<b>267</b>	<b>262</b>	<b>219</b>	<b>231</b>	<b>227</b>	<b>495</b>	<b>592</b>	<b>836</b>	<b>862</b>	
PCUF	CUFG	55	53	51	51	51	50	53	50	51	57	53	49	48	51	49	50	49	52	53	51	49	53	50	51
PCUF	CUFK	42	39	40	40	40	41	40	41	41	43	41	40	40	42	39	40	39	42	40	40	39	40	41	39
<b>Total Co-Gen</b>		<b>97</b>	<b>92</b>	<b>91</b>	<b>91</b>	<b>91</b>	<b>93</b>	<b>91</b>	<b>92</b>	<b>100</b>	<b>94</b>	<b>89</b>	<b>88</b>	<b>93</b>	<b>88</b>	<b>90</b>	<b>88</b>	<b>94</b>	<b>93</b>	<b>91</b>	<b>88</b>	<b>93</b>	<b>91</b>	<b>90</b>	
<b>Total Gen</b>		<b>11795</b>	<b>11623</b>	<b>11198</b>	<b>11050</b>	<b>10807</b>	<b>10634</b>	<b>10590</b>	<b>10406</b>	<b>10149</b>	<b>10234</b>	<b>10213</b>	<b>10169</b>	<b>10158</b>	<b>10199</b>	<b>10113</b>	<b>10006</b>	<b>9967</b>	<b>10251</b>	<b>10770</b>	<b>11379</b>	<b>11693</b>	<b>11955</b>	<b>12287</b>	
TIB-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
TIB-HVDC		-30	-29	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-30	-30	-30	-29	-29	-28	-28	-29	-29
TIB-PLTG		-7	8	75	37	42	-31	-5	29	26	-32	-15	37	21	44	-45	69	0	-44	-88	28	81	2	46	
<b>Interconnection</b>		<b>-37</b>	<b>-21</b>	<b>45</b>	<b>8</b>	<b>13</b>	<b>-60</b>	<b>-34</b>	<b>0</b>	<b>-3</b>	<b>-61</b>	<b>-44</b>	<b>8</b>	<b>-8</b>	<b>15</b>	<b>-74</b>	<b>40</b>	<b>-29</b>	<b>-72</b>	<b>-116</b>	<b>-2</b>	<b>51</b>	<b>-28</b>		
<b>System Total</b>		<b>11832</b>	<b>11644</b>	<b>11153</b>	<b>11042</b>	<b>10794</b>	<b>10694</b>	<b>10624</b>	<b>10406</b>	<b>10152</b>	<b>10295</b>	<b>10257</b>	<b>10161</b>	<b>10166</b>	<b>10184</b>	<b>10187</b>	<b>9966</b>	<b>9996</b>	<b>10323</b>	<b>10886</b>	<b>11381</b>	<b>11642</b>	<b>11983</b>		
SRRev ST-Coal		12	16	57	59	56	66	11	32	141	169	171	182	202	170	173	176	183	16	9	14	11	10	10	
SRRev 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
SRRev CCGT-Gas		621	732	510	599	854	971	819	929	1088	1007	1023	1047	1045	1048	1093	1190	1182	1095	584	359	378	419	217	
SRRev 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
SRRev 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
Syncon		388	625	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726
Hydro		86	59	181	186	191	86	55	93	61	50	47	54	50	198	75	80	85	73	67	100	88	255	230	

*Daily MW Generation On Saturday*
*16-Feb-2013*

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																								
S.Reserve Total		1112	1437	1479	1575	1832	1854	1616	1785	2021	1957	1972	2014	2028	1996	2072	2177	2181	1915	1391	1103	1107	1163	936	884	1069	1020	1310	1211	1049	1099	1240	1223	1272	1322	1495	1693	1725	1737	1701	1036	958	1053	1156	1125	1266	1015	1128	1037