

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,930 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,421 MW
Hydro	1,714 MW
Distillate	100 MW
<b>Total TNB</b>	<b>7,235 MW</b>
<b>Total IPP</b>	<b>8,934 MW</b>
<b>Total Co-Gen</b>	<b>73 MW</b>
<b>System Total</b>	<b>16,242 MW</b>

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

At Daily Maximum Demand Hour : 11:30

TNB Generation	5,694 MW
IPP Generation	8,019 MW
Total Set On Bus	14,837 MW
Maximum Demand	13,845 MW
Spinning Reserve	1,051 MW
Net Energy	301,127 MWH
Load Factor	90.6 %

**Maximum Demand Record**

Date :	13/05/2013	16,562.0 MW
Date :	25/06/2013	345,254.0 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	12776	12264	11684	11378	11034	10851	11162	10963	10885	12205	13126	13655	13557	13329	13498	13328	13299	12969	12794	13413	13603	13409	12923	12632

**Gas Usage**

Station	(mmscfd)
CBPS	79
PAKA	159
PGPS	29
SRDG	62
TJGS	113
<b>TNB Total</b>	<b>442</b>
KLPP	118
MPSS	4
PDPS	23
PGLA	117
PKLG	60
PLPS	78
PTEK	20
SGB3	62
SGRI	151
SKSP	57
YPGS	33
YPKA	137
<b>IPP Total</b>	<b>859</b>
<b>Total Gas</b>	<b>1,301</b>
<b>Total Gas Required :</b>	<b>1,427</b>
<b>Gas Calorific Value :</b>	<b>38.500</b>

**Alternate Fuel Usage**

Station	(mmscfd)
PGPS	14
PKLG	51
PTEK	20
SGB3	21
SGRI	20
<b>Total</b>	<b>125</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	46,548.00	15.46 %
Gas	54,363.00	18.05 %
Hydro	18,843.00	6.26 %
Distillate	1,167.00	0.39 %
<b>Total TNB</b>	<b>120,921.0</b>	<b>40.16 %</b>
ST-Coal	56,092.0	18.63 %
ST-Gas	5,767.0	1.92 %
ST-Oil	5,055.0	1.68 %
Gas	105,652.0	35.09 %
Distillate	4,963.0	1.65 %
<b>Total IPP</b>	<b>177,529.0</b>	<b>58.95 %</b>
Co-Gen	1,878.0	0.62 %
<b>Total Co-Gen</b>	<b>1,878.0</b>	<b>0.62 %</b>
<b>Total Generation</b>	<b>300,328.0</b>	<b>99.73 %</b>
PLTG	-102.0	-0.03 %
HVDC	-697.0	-0.23 %
<b>Interconnection</b>	<b>-799.0</b>	<b>-0.27 %</b>
<b>Net Energy</b>	<b>301,127.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	317
Hydro	124
Syncon	345
Thermal	127
<b>Total</b>	<b>913</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 28
Afternoon	Rainy 30



Table with columns: Station, Unit, and 24 hourly generation values (0000 to 2300). Includes sub-totals for CCGT-Gas and a final list of units like BSIA, CEND, KNRG, etc.

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
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	37	35	41	37	41	48	41	38	37	39	34	37	41	45	37	42	47	77	77	77	77	77	77	77
TMGR	HY02	38	35	40	37	41	47	40	39	33	40	34	38	44	47	35	43	48	82	82	82	82	82	82	82
TMGR	HY03	35	34	38	34	41	46	39	37	37	39	-1	-1	-1	-1	-1	46	78	77	78	78	78	78	78	
TMGR	HY04	38	36	41	38	42	46	40	40	40	37	40	42	45	39	43	48	75	74	74	75	75	75	75	
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	
<b>Total Hydro</b>		<b>606</b>	<b>596</b>	<b>618</b>	<b>603</b>	<b>622</b>	<b>648</b>	<b>641</b>	<b>632</b>	<b>648</b>	<b>633</b>	<b>581</b>	<b>591</b>	<b>627</b>	<b>617</b>	<b>587</b>	<b>608</b>	<b>665</b>	<b>790</b>	<b>816</b>	<b>909</b>	<b>899</b>	<b>1174</b>	<b>1076</b>	
PGPS	GT3A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGRI	GT23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Total Distillate</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
PCUF	CUFG	52	52	51	53	52	51	52	52	53	52	52	53	51	52	52	51	50	49	48	49	48	48	48	
PCUF	CUFK	30	30	31	31	30	31	30	31	30	31	31	30	30	29	29	28	27	28	27	27	26	25	29	
<b>Total Co-Gen</b>		<b>82</b>	<b>82</b>	<b>82</b>	<b>84</b>	<b>82</b>	<b>82</b>	<b>83</b>	<b>83</b>	<b>83</b>	<b>83</b>	<b>83</b>	<b>81</b>	<b>82</b>	<b>82</b>	<b>81</b>	<b>80</b>	<b>78</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>75</b>	<b>73</b>	<b>73</b>	
<b>Total Gen</b>		<b>12681</b>	<b>12326</b>	<b>12211</b>	<b>11941</b>	<b>11698</b>	<b>11433</b>	<b>11317</b>	<b>11021</b>	<b>11013</b>	<b>10817</b>	<b>10853</b>	<b>10921</b>	<b>11032</b>	<b>11050</b>	<b>10956</b>	<b>10736</b>	<b>10877</b>	<b>11577</b>	<b>12147</b>	<b>12698</b>	<b>13058</b>	<b>13436</b>	<b>13614</b>	
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	
TIE-HVDC		-30	-29	-28	-29	-29	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	
TIE-PLTG		-65	33	-25	-13	43	-112	-32	9	8	-52	31	29	-101	-18	22	-61	21	10	-29	-131	-38	-4	-12	
Interconnection		-95	4	-53	-42	14	-142	-61	-20	-21	-80	2	0	-130	-48	-7	-90	-8	-19	-58	-160	-68	-34	-41	
<b>System Total</b>		<b>12776</b>	<b>12322</b>	<b>12264</b>	<b>11983</b>	<b>11684</b>	<b>11575</b>	<b>11378</b>	<b>11041</b>	<b>11034</b>	<b>10897</b>	<b>10851</b>	<b>10921</b>	<b>11162</b>	<b>11098</b>	<b>10963</b>	<b>10826</b>	<b>10885</b>	<b>11596</b>	<b>12205</b>	<b>12858</b>	<b>13126</b>	<b>13470</b>	<b>13685</b>	
SRev ST-Coal		122	120	163	114	124	111	124	187	111	142	118	115	117	119	124	114	124	120	124	112	117	118	103	
SRev ST-Gas		-2	-3	-3	18	83	74	74	74	74	74	75	75	74	74	75	82	82	82	81	81	81	78	40	
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	
SRev CCGT-Gas		225	223	224	447	573	524	473	650	658	808	744	689	612	580	640	923	1153	651	252	291	221	387	369	
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	
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	
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	
Syncon		453	453	453	453	453	453	453	302	453	539	539	388	539	539	539	453	453	453	453	302	302	453	453	
Hydro		201	211	190	204	185	161	167	197	332	196	162	153	268	127	156	136	164	39	174	81	241	216	175	
<b>S.Reserve Total</b>		<b>999</b>	<b>1304</b>	<b>1027</b>	<b>1236</b>	<b>1418</b>	<b>1323</b>	<b>1291</b>	<b>1561</b>	<b>1477</b>	<b>1673</b>	<b>1638</b>	<b>1571</b>	<b>1459</b>	<b>1439</b>	<b>1534</b>	<b>1787</b>	<b>1976</b>	<b>1345</b>	<b>1093</b>	<b>1191</b>	<b>1036</b>	<b>1348</b>	<b>1224</b>	