

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	70 MW
Gas	3,690 MW
Hydro	1,822 MW
Distillate	300 MW
<b>Total TNB</b>	<b>7,952 MW</b>
<b>Total IPP</b>	<b>9,057 MW</b>
<b>Total Co-Gen</b>	<b>70 MW</b>
<b>System Total</b>	<b>17,079 MW</b>

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

At Daily Maximum Demand Hour : 20:30	
TNB Generation	6,093 MW
IPP Generation	7,875 MW
Total Set On Bus	15,107 MW
Maximum Demand	14,336 MW
Spinning Reserve	1,069 MW
Net Energy	312,440 MWH
Load Factor	90.8 %

**Maximum Demand Record**

Date :	16/04/2013	16,356.0 MW
Date :	16/04/2013	338,800.0 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	13468	12787	12543	12027	11776	11447	11396	11287	11140	12466	13215	13787	13971	13587	13994	14013	14088	13669	13060	13248	14156	14122	13903	13739

**Gas Usage**

Station	(mmscfd)
CBPS	48
GLGR	61
PAKA	195
PGPS	7
SRDG	47
TJGS	102
<b>TNB Total</b>	<b>460</b>
KLPP	72
PDPS	15
PGLA	47
PKLG	24
PLPS	120
PTEK	1
SGB3	39
SGRI	118
SKSP	56
YPGS	69
YPKA	69
<b>IPP Total</b>	<b>630</b>
<b>Total Gas</b>	<b>1,090</b>
<b>Total Gas Required :</b>	<b>1,336</b>
<b>Gas Calorific Value :</b>	<b>38.500</b>

**Alternate Fuel Usage**

Station	(mmscfd)
KLPP	38
PGLA	43
PGPS	55
PKLG	60
SGB3	20
SGRI	30
<b>Total</b>	<b>245</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,452.00	15.83 %
ST-Gas	630.00	0.20 %
ST-Oil	430.00	0.14 %
Gas	55,751.00	17.84 %
Hydro	22,063.00	7.06 %
Distillate	6,107.00	1.95 %
<b>Total TNB</b>	<b>134,433.0</b>	<b>43.03 %</b>
ST-Coal	67,034.0	21.45 %
ST-Oil	5,831.0	1.87 %
Gas	80,748.0	25.84 %
Distillate	16,866.0	5.40 %
<b>Total IPP</b>	<b>170,479.0</b>	<b>54.56 %</b>
Co-Gen	1,919.0	0.61 %
<b>Total Co-Gen</b>	<b>1,919.0</b>	<b>0.61 %</b>
<b>Total Generation</b>	<b>306,831.0</b>	<b>98.20 %</b>
PLTG	-4,907.0	-1.57 %
HVDC	-702.0	-0.22 %
<b>Interconnection</b>	<b>-5,609.0</b>	<b>-1.80 %</b>
<b>Net Energy</b>	<b>312,440.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	366
Hydro	132
Syncon	342
Thermal	47
<b>Total</b>	<b>887</b>

	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																													
SYPS	HY01	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25																
SYPS	HY02	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25																
SYPS	HY03	25	25	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	0	0	0	0	0	0	0	0															
SYPS	HY04	25	25	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	0	0	0	0	0	0	0	0															
TMGR	HY01	27	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	83	82	80	78	63	63	56	57	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	82	77	82	79	80	79	77	80	82									
TMGR	HY02	79	80	82	0	0	0	0	0	0	0	0	0	0	0	0	71	79	79	62	63	55	56	57	78	53	79	75	78	79	77	74	48	27	29	40	84	74	81	76	77	76	74	76	78									
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	80	61	64	56	56	57	81	52	80	77	79	79	78	75	-1	-1	-1	-1	-1	54	60	57	58	57	54	57	58	58										
TMGR	HY04	70	71	73	41	45	36	41	39	41	37	43	40	35	36	35	32	43	82	80	77	76	77	60	62	55	55	57	76	53	76	74	75	58	56	54	47	30	31	40	80	67	73	69	70	69	67	70	71					
UPLA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6					
<b>Total Hydro</b>		<b>1389</b>	<b>1401</b>	<b>1406</b>	<b>1204</b>	<b>1089</b>	<b>879</b>	<b>653</b>	<b>562</b>	<b>566</b>	<b>558</b>	<b>553</b>	<b>559</b>	<b>531</b>	<b>535</b>	<b>531</b>	<b>524</b>	<b>571</b>	<b>707</b>	<b>822</b>	<b>771</b>	<b>1005</b>	<b>1314</b>	<b>1203</b>	<b>1318</b>	<b>1256</b>	<b>1013</b>	<b>928</b>	<b>1143</b>	<b>957</b>	<b>1141</b>	<b>1075</b>	<b>1072</b>	<b>1057</b>	<b>1046</b>	<b>855</b>	<b>743</b>	<b>668</b>	<b>664</b>	<b>731</b>	<b>932</b>	<b>982</b>	<b>1035</b>	<b>1008</b>	<b>1018</b>	<b>1001</b>	<b>994</b>	<b>986</b>	<b>1005</b>					
KLPP	GT14	124	123	124	124	124	123	124	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	124	124	124	125	124	123	124	124	125	123	124				
KLPP	GT15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68	133	133	133	133	133	134	135	135	135	135	134	135	134	134	136	135	135	134	134	135	134	135	134	135	134	136	135	134	135	135	135	135	135	135	135	135	135
PGLA	GT12	219	220	218	220	222	222	222	220	222	164	0	0	0	0	0	0	185	213	213	212	212	214	213	213	214	211	210	212	212	210	212	213	208	210	212	210	212	210	212	212	212	212	214	215	215	214	220	218	218	218	218		
PGLA	ST10	102	102	102	101	102	102	102	102	90	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		
PGPS	GT3A	86	88	88	88	89	87	87	88	88	87	88	87	87	89	89	88	89	88	88	88	88	88	88	89	88	88	88	89	88	88	89	88	88	88	89	88	88	88	88	88	88	89	88	88	89	88	88	88	88	88	88		
PGPS	GT3B	86	88	88	88	89	88	88	87	88	88	88	88	87	87	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	87	90	88	87	88	88	88	89	88	88	88	88	88		
PGPS	ST3C	84	84	84	84	84	83	84	84	84	84	83	83	83	82	81	84	87	85	84	85	86	85	85	86	85	87	86	86	86	86	86	86	86	86	86	86	86	84	84	84	85	85	84	84	84	84	84	84	84	84	84	85	85
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	128	128	128	128	128	128	128	128	126	126	127	127	127	127	126	119	118	118	118	118	119	119	119	120	120	120	120	120	119	119	120	120	120	120	120	120	
SGRI	GT12	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	61	126	127	127	128	128	128	128	127	127	128	128	
SGRI	GT22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	125	125	124	123	123	123	123	123	121	121	122	122	122	122	121	121	121	121	122	122	122	121	121	121	121	121	121	122	123	123	124	124	124	124	123	123	124	
<b>Total Distillate</b>		<b>701</b>	<b>705</b>	<b>704</b>	<b>705</b>	<b>710</b>	<b>705</b>	<b>707</b>	<b>704</b>	<b>584</b>	<b>513</b>	<b>260</b>	<b>258</b>	<b>257</b>	<b>259</b>	<b>259</b>	<b>254</b>	<b>260</b>	<b>268</b>	<b>331</b>	<b>703</b>	<b>733</b>	<b>792</b>	<b>859</b>	<b>858</b>	<b>861</b>	<b>860</b>	<b>862</b>	<b>858</b>	<b>857</b>	<b>855</b>	<b>858</b>	<b>858</b>	<b>855</b>	<b>857</b>	<b>847</b>	<b>848</b>	<b>843</b>	<b>1028</b>	<b>1097</b>	<b>1100</b>	<b>1101</b>	<b>1104</b>	<b>1105</b>	<b>1106</b>	<b>1105</b>	<b>1100</b>	<b>1108</b>	<b>1110</b>	<b>1110</b>				
PCUF	CUFG	44	50	49	49	49	47	48	50	49	47	48	48	48	49	47	47	48	46	46	45	44	44	44	43	44	44	44	43	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	45	45	45	45	45	45			
PCUF	CUFK	31	29	30	30	28	28	28	30	32	32	33	32	31	30	31	31	32	31	29	30	29	28	28	27	28	24	24	25	26	24	26	27	26	26	26	26	26	26	26	26	25	26	26	26	28	27	27	27	27	27	27	27	
<b>Total Co-Gen</b>		<b>75</b>	<b>79</b>	<b>79</b>	<b>79</b>	<b>77</b>	<b>75</b>	<b>76</b>	<b>80</b>	<b>81</b>	<b>79</b>	<b>81</b>	<b>79</b>	<b>79</b>	<b>78</b>	<b>79</b>	<b>80</b>	<b>81</b>	<b>78</b>	<b>76</b>	<b>78</b>	<b>75</b>	<b>74</b>	<b>73</b>	<b>71</b>	<b>72</b>	<b>71</b>	<b>72</b>	<b>72</b>	<b>68</b>	<b>68</b>	<b>68</b>	<b>70</b>	<b>68</b>	<b>70</b>	<b>71</b>	<b>69</b>	<b>71</b>	<b>70</b>	<b>70</b>	<b>69</b>	<b>69</b>	<b>70</b>	<b>73</b>	<b>72</b>	<b>71</b>	<b>72</b>	<b>72</b>	<b>72</b>	<b>72</b>				
<b>Total Gen</b>		<b>13319</b>	<b>12898</b>	<b>12619</b>	<b>12390</b>	<b>12205</b>	<b>11890</b>	<b>11709</b>	<b>11584</b>	<b>11499</b>	<b>11387</b>	<b>11202</b>	<b>11216</b>	<b>11198</b>	<b>11208</b>	<b>11052</b>	<b>10663</b>	<b>10868</b>	<b>11490</b>	<b>12157</b>	<b>12605</b>	<b>12957</b>	<b>13482</b>	<b>13534</b>	<b>13758</b>	<b>13799</b>	<b>13539</b>	<b>13452</b>	<b>13708</b>	<b>13694</b>	<b>13910</b>	<b>13793</b>	<b>13826</b>	<b>13813</b>	<b>13817</b>	<b>13523</b>	<b>13199</b>	<b>12794</b>	<b>12826</b>	<b>13006</b>	<b>13859</b>	<b>13986</b>	<b>14038</b>	<b>13973</b>	<b>13861</b>	<b>13719</b>	<b>13510</b>	<b>13552</b>	<b>13492</b>	<b>13492</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	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		-30	-29	-29	-29	-30	-30	-29	-29	-29	-28	-28	-30	-30	-29	-29	-29	-29	-29	-30	-30	-30	-29	-29	-30	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		-119	-156	-159	-134	-309	-188	-288	-236	-248	-201	-216	-172	-170	-183	-205	-158	-243	-264	-280	-246	-229	-106	-223	-233	-143	-145	-105	-188	-271	-180	-190	-291	-245	-209	-117	-305	-237	-156	-213	-218	-140	-269	-120	-127	-155	-136	-158	-177	-177				
<b>Interconnection</b>		<b>-149</b>	<b>-185</b>	<b>-168</b>	<b>-163</b>	<b>-338</b>	<b>-218</b>	<b>-318</b>	<b>-265</b>	<b>-277</b>	<b>-230</b>	<b>-245</b>	<b>-200</b>	<b>-198</b>	<b>-215</b>	<b>-235</b>	<b>-187</b>	<b>-272</b>	<b>-293</b>	<b>-309</b>	<b>-275</b>	<b>-258</b>	<b>-136</b>	<b>-253</b>	<b>-262</b>	<b>-172</b>	<b>-175</b>	<b>-135</b>	<b>-217</b>	<b>-300</b>	<b>-210</b>	<b>-220</b>	<b>-321</b>	<b>-275</b>	<b>-238</b>	<b>-146</b>	<b>-334</b>	<b>-266</b>	<b>-185</b>	<b>-242</b>	<b>-248</b>	<b>-170</b>	<b>-298</b>	<b>-149</b>	<b>-156</b>	<b>-184</b>	<b>-165</b>	<b>-187</b>	<b>-206</b>					
<b>System Total</b>		<b>13468</b>	<b>13083</b>	<b>12787</b>	<b>12553</b>	<b>12543</b>	<b>12108</b>	<b>12027</b>	<b>11849</b>	<b>11776</b>	<b>11617</b>	<b>11447</b>	<b>11416</b>	<b>11396</b>	<b>11421</b>	<b>11287</b>	<b>10850</b>	<b>11140</b>	<b>11783</b>	<b>12466</b>	<b>12880</b>	<b>13215</b>	<b>13618</b>	<b>13787</b>	<b>14020</b>	<b>13971</b>	<b>13714</b>	<b>13587</b>	<b>13925</b>	<b>13994</b>	<b>14120</b>	<																						