

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,040 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,248 MW
Hydro	1,845 MW
Distillate	0 MW
<b>Total TNB</b>	<b>8,133 MW</b>
<b>Total IPP</b>	<b>11,498 MW</b>
<b>Total Co-Gen</b>	<b>34 MW</b>
<b>System Total</b>	<b>19,665 MW</b>

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

At Daily Maximum Demand Hour : 16:00

TNB Generation	5,950 MW
IPP Generation	9,466 MW
Total Set On Bus	16,460 MW
Maximum Demand	15,502 MW
Spinning Reserve	1,010 MW
Net Energy	335,549 MWH
Load Factor	90.2 %
Total Cost	56,600,275 RM
Cost per Unit	17.29 cents/kWH

**Maximum Demand Record**

Date :	11/06/2014	16,901.0 MW
Date :	24/06/2014	355,911.0 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	14085	13467	12960	12651	12457	12324	12213	12041	12467	13950	14828	15398	15198	14776	14888	15438	15502	15012	14320	13930	14439	14641	14364	14248

**Gas Usage**

Station	(mmscfd)
CBPS	49
GLGR	58
PAKA	182
PGPS	40
SRDG	11
TJGS	220
<b>TNB Total</b>	<b>561</b>
KLPP	107
MPSS	58
PDPS	3
PGLA	103
PKLG	17
PLPS	89
SGRI	178
SKSP	33
YPGS	68
YPKA	128
<b>IPP Total</b>	<b>783</b>
<b>Total Gas</b>	<b>1,344</b>

**Alternate Fuel Usage**

Station	(mmscfd)
PKLG	21
<b>Total</b>	<b>21</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	47,815.00	14.25 %
Gas	73,421.00	21.88 %
Hydro	7,260.00	2.16 %
<b>Total TNB</b>	<b>128,496.0</b>	<b>38.29 %</b>
ST-Coal	101,043.0	30.11 %
ST-Gas	1,672.0	0.50 %
ST-Oil	2,043.0	0.61 %
Gas	100,465.0	29.94 %
<b>Total IPP</b>	<b>205,223.0</b>	<b>61.16 %</b>
Co-Gen	937.0	0.28 %
<b>Total Co-Gen</b>	<b>937.0</b>	<b>0.28 %</b>
<b>Total Generation</b>	<b>334,656.0</b>	<b>99.73 %</b>
PLTG	-200.0	-0.06 %
HVDC	-693.0	-0.21 %
<b>Interconnection</b>	<b>-893.0</b>	<b>-0.27 %</b>
<b>Net Energy</b>	<b>335,549.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	371
Hydro	156
Syncon	525
Thermal	83
<b>Total</b>	<b>1135</b>

	Weather	Temperature
Morning	Sunny	25
Afternoon	Rainy	35

**Gas Consumption(PS) :**

Total Gas Required :	1,365
Gas Calorific Value :	38,500





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	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	0																							
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	25	25	25	25	25	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	25	25	25	25	25	0																							
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	-1	-1	-1																								
TMGR	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	0	0	0																								
TMGR	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	-1	-1	-1																								
TMGR	HY04	30	40	31	32	30	34	32	34	33	32	33	32	29	32	35	39	33	41	41	36	36	78	78	44	31	30	32	36	33	31	34	34	42	34	34	36	36	35	35	42	30	35	41	41	32	34	30				
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	4	4	4	4																							
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2																								
<b>Total Hydro</b>		<b>165</b>	<b>202</b>	<b>166</b>	<b>401</b>	<b>402</b>	<b>396</b>	<b>452</b>	<b>442</b>	<b>440</b>	<b>483</b>	<b>435</b>	<b>347</b>	<b>341</b>	<b>378</b>	<b>350</b>	<b>270</b>	<b>350</b>	<b>324</b>	<b>269</b>	<b>232</b>	<b>270</b>	<b>430</b>	<b>562</b>	<b>543</b>	<b>335</b>	<b>167</b>	<b>164</b>	<b>167</b>	<b>179</b>	<b>176</b>	<b>194</b>	<b>177</b>	<b>277</b>	<b>189</b>	<b>177</b>	<b>177</b>	<b>180</b>	<b>180</b>	<b>201</b>	<b>178</b>	<b>187</b>	<b>285</b>	<b>355</b>	<b>407</b>	<b>477</b>	<b>354</b>	<b>357</b>	<b>229</b>			
PCUF	CUFG	9	11	14	14	15	17	17	15	17	18	14	15	15	15	15	18	17	21	19	18	20	16	15	13	15	15	13	12	10	14	15	12	14	16	14	15	14	17	16	17	17	17	17	19							
PCUF	CUFK	24	25	23	24	24	22	24	23	24	25	23	24	25	23	24	24	24	23	24	25	23	23	24	23	25	24	23	25	24	24	22	24	22	24	25	21	25	24	24	23	23	23	22	26							
<b>Total Co-Gen</b>		<b>33</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>39</b>	<b>41</b>	<b>38</b>	<b>41</b>	<b>43</b>	<b>37</b>	<b>39</b>	<b>40</b>	<b>37</b>	<b>39</b>	<b>39</b>	<b>38</b>	<b>39</b>	<b>40</b>	<b>42</b>	<b>41</b>	<b>45</b>	<b>43</b>	<b>41</b>	<b>44</b>	<b>39</b>	<b>40</b>	<b>36</b>	<b>38</b>	<b>39</b>	<b>36</b>	<b>37</b>	<b>34</b>	<b>38</b>	<b>37</b>	<b>36</b>	<b>36</b>	<b>40</b>	<b>39</b>	<b>36</b>	<b>39</b>	<b>41</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>39</b>	<b>45</b>			
<b>Total Gen</b>		<b>14071</b>	<b>13755</b>	<b>13488</b>	<b>13158</b>	<b>13017</b>	<b>12815</b>	<b>12610</b>	<b>12430</b>	<b>12413</b>	<b>12448</b>	<b>12335</b>	<b>12149</b>	<b>12177</b>	<b>12150</b>	<b>12011</b>	<b>11903</b>	<b>12395</b>	<b>13400</b>	<b>13886</b>	<b>14419</b>	<b>14772</b>	<b>15126</b>	<b>15329</b>	<b>15421</b>	<b>15172</b>	<b>14884</b>	<b>14689</b>	<b>14743</b>	<b>14816</b>	<b>15188</b>	<b>15435</b>	<b>15423</b>	<b>15450</b>	<b>15348</b>	<b>15006</b>	<b>14556</b>	<b>14314</b>	<b>14144</b>	<b>13863</b>	<b>13983</b>	<b>14317</b>	<b>14736</b>	<b>14593</b>	<b>14425</b>	<b>14322</b>	<b>14195</b>	<b>14219</b>	<b>13747</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		
TIE-HVDC		-30	-29	-29	-28	-28	-29	-28	-29	-29	-29	-29	-28	-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	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		16	-103	50	35	85	9	-13	-14	-15	-6	39	-34	-7	70	-2	-17	-42	57	-35	0	-28	-47	-40	-6	3	-30	-58	27	-43	-12	26	3	-23	-5	23	24	23	55	-39	-20	-93	6	-19	-62	-14	-35	1	-90			
Interconnection		-14	-132	21	7	57	-20	-41	-43	-44	-34	11	-63	-36	41	-30	-47	-72	28	-64	-29	-56	-76	-69	-35	-26	-59	-87	-2	-72	-41	-3	-26	-52	-34	-6	-5	-6	27	-67	-49	-122	-25	-48	-90	-42	-65	-29	-119			
<b>System Total</b>		<b>14085</b>	<b>13887</b>	<b>13467</b>	<b>13151</b>	<b>12960</b>	<b>12835</b>	<b>12651</b>	<b>12473</b>	<b>12457</b>	<b>12482</b>	<b>12324</b>	<b>12212</b>	<b>12213</b>	<b>12109</b>	<b>12041</b>	<b>11950</b>	<b>12467</b>	<b>13372</b>	<b>13950</b>	<b>14448</b>	<b>14828</b>	<b>15202</b>	<b>15398</b>	<b>15456</b>	<b>15198</b>	<b>14943</b>	<b>14776</b>	<b>14745</b>	<b>14888</b>	<b>15229</b>	<b>15438</b>	<b>15449</b>	<b>15502</b>	<b>15382</b>	<b>15012</b>	<b>14561</b>	<b>14320</b>	<b>14117</b>	<b>13930</b>	<b>14032</b>	<b>14439</b>	<b>14789</b>	<b>14641</b>	<b>14515</b>	<b>14364</b>	<b>14260</b>	<b>14248</b>	<b>13866</b>			
SRev SI-Coal		55	67	103	92	83	63	65	63	61	38	-13	80	58	89	67	76	79	85	72	56	77	62	69	75	84	71	73	92	69	68	65	68	77	81	73	79	75	76	69	69	65	73	72	81	78	79	79	117			
SRev SI-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	0	0	0	0	0	0	0	0	0	0	0
SRev SI-Oil		-2	-22	-2	-1	-1	-1	-2	36	34	34	34	35	35	34	34	34	35	35	34	35	35	34	35	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 CCGT-Gas		483	573	339	835	962	1178	1440	1529	1521	1554	1665	1762	1751	1781	1916	1934	1518	1546	1231	683	348	171	91	115	204	335	526	450	416	379	173	172	232	165	284	495	662	749	1030	884	566	239	452	663	148	96	74	313			
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	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	0	0	0	0
Syncon		643	643	643	392	392	392	392	392	392	241	392	392	392	391	392	493	493	342	493	493	493	479	479	392	392	643	643	643	643	493	577	578	578	578	578	578	578	578	578	578	578	578	578	578	578	578	578	578	578	578	578
Hydro		132	95	131	197	196	202	146	156	158	266	163	251	257	221	248	227	147	324	128	165	127	168	247	266	325	130	133	130	118	121	104	120	120	108	120	120	117	117	247	119	110	137	117	216	146	118	115	168			
<b>S.Reserve Total</b>		<b>1311</b>	<b>1356</b>	<b>1214</b>	<b>1515</b>	<b>1632</b>	<b>1834</b>	<b>2041</b>	<b>2176</b>	<b>2166</b>	<b>2133</b>	<b>2241</b>	<b>2520</b>	<b>2493</b>	<b>2516</b>	<b>2657</b>	<b>2765</b>	<b>2271</b>	<b>2331</b>	<b>1958</b>	<b>1432</b>	<b>1080</b>	<b>914</b>	<b>921</b>	<b>887</b>	<b>1011</b>	<b>1182</b>	<b>1378</b>	<b>1320</b>	<b>1249</b>	<b>1077</b>	<b>927</b>	<b>940</b>	<b>1010</b>	<b>1016</b>	<b>1248</b>	<b>1454</b>	<b>1589</b>	<b>1672</b>	<b>1773</b>	<b>1650</b>	<b>1319</b>	<b>1027</b>	<b>1219</b>	<b>1387</b>	<b>949</b>	<b>1021</b>	<b>909</b>	<b>1089</b>			