

Availability At Daily Maximum Demand Hour

ST-Coal	2,050	MW
ST-Gas	0	MW
ST-Oil	0	MW
Gas	4,046	MW
Hydro	1,847	MW
Distillate	0	MW
Total TNB	7,943	MW
Total IPP	11,421	MW
Total Co-Gen	30	MW
System Total	19,394	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 15:30		
TNB Generation	6,262	MW
IPP Generation	9,523	MW
Total Set On Bus	16,858	MW
Maximum Demand	15,855	MW
Spinning Reserve	1,043	MW
Net Energy	335,281	MWH
Load Factor	88.1	%
Total Cost	56,981,987	RM
Cost per Unit	17.42	cents/kWH

Maximum Demand Record

Date :	11/06/2014	16,901.0MW
Date :	24/06/2014	355,911.0MWH

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	13737	13132	12683	12267	12175	12118	12090	11595	12262	13841	14617	15297	15185	14752	15111	15754	15831	15363	14507	14003	14724	14933	14752	14505

Gas Usage

Station	(mmscfd)
CBPS	45
GLGR	53
PAKA	190
PGGS	2
PGPS	42
SRDG	5
TJGS	210
TNB Total	547
KLPP	85
MPSS	30
PDPS	6
PGLA	105
PLPS	24
PTEK	7
SGRI	130
SKSP	35
YPGS	67
YPKA	129
IPP Total	619
Total Gas	1,166

Total Gas Required : 1,336
Gas Calorific Value : 38,500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	5
PGPS	1
PKLG	114
PLPS	20
SGRI	32
Total	170

Generation Mix

Type	MWh	Percentage
ST-Coal	49,009.00	14.62 %
Gas	71,119.00	21.21 %
Hydro	9,827.00	2.93 %
Distillate	61.00	0.02 %
Total TNB	130,016.0	38.78 %
ST-Coal	106,152.0	31.66 %
ST-Oil	11,073.0	3.30 %
Gas	82,045.0	24.47 %
Distillate	6,623.0	1.98 %
Total IPP	205,893.0	61.41 %
Co-Gen	1,024.0	0.31 %
Total Co-Gen	1,024.0	0.31 %
Total Generation	336,933.0	100.49 %
PLTG	559.0	0.17 %
HVDC	1,093.0	0.33 %
Interconnection	1,652.0	0.49 %
Net Energy	335,281.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	560
Hydro	145
Syncon	477
Thermal	55
Total	1238

	Weather	Temperature
Morning	Sunny	28
Afternoon	Hot	37

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	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	-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
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
TMGR	HY04	33	35	40	31	30	44	32	26	35	48	31	34	38	45	30	35	49	29	30	32	35	38	38	80
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
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
Total Hydro		307	175	184	167	166	187	171	160	174	312	174	173	179	192	161	169	191	160	160	190	172	179	468	668
KLPP	GT13	132	132	131	96	75	49	75	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	GT3B	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	ST3C	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT11	127	128	128	126	126	59	59	58	58	58	58	58	58	49	0	0	0	0	0	0	0	0	0	0
SGRI	GT13	126	126	126	126	126	68	57	57	57	58	58	58	58	57	50	0	0	0	0	0	0	0	0	0
SGRI	GT21	122	123	123	122	122	59	59	58	58	58	58	58	58	49	0	0	0	0	0	0	0	0	0	0
SGRI	GT23	134	135	135	134	134	117	59	58	58	57	57	58	58	47	0	0	0	0	0	0	0	0	0	0
PLPS	GT11	152	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	GT13	149	145	147	147	149	110	110	110	110	111	110	110	110	106	108	109	109	109	108	27	0	0	0	0
PLPS	ST18	139	98	62	59	61	55	56	55	56	56	56	57	56	57	56	57	56	57	58	107	0	0	0	0
Total Distillate		1204	901	852	810	793	517	475	471	397	398	398	399	392	360	166	167	167	215	27	0	0	0	0	0
PCUF	CUFG	13	12	12	13	12	14	14	14	14	14	12	12	14	13	15	15	15	15	15	14	14	13	4	1
PCUF	CUFK	35	35	38	37	37	37	37	36	38	33	35	36	36	37	35	34	34	32	32	29	29	29	29	29
Total Co-Gen		48	47	50	50	49	51	51	50	52	47	48	49	49	52	50	49	49	46	46	43	42	33	30	17
Total Gen		13804	13402	13261	12863	12769	12558	12360	12276	12189	12205	12216	12162	12144	12152	11869	11759	12234	13375	13925	14345	14653	15006	15352	15443
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	31	29	31	29	31	29	31	31	31	31	29	31	29	30	30	31	31	31	32	29	29
TIE-PLTG		38	-5	99	12	57	2	64	68	-17	-30	69	141	23	4	243	59	-59	140	55	48	7	-44	24	68
Interconnection		67	25	129	43	86	33	93	99	14	-1	98	172	54	35	274	90	-28	171	84	79	36	-13	55	97
System Total		13737	13377	13132	12820	12683	12525	12267	12177	12175	12206	12118	11990	12090	12117	11595	11669	12262	13204	13841	14266	14617	15019	15297	15346
SRev ST-Coal		-14	-54	-8	-57	-39	-75	-44	-29	-86	-91	-145	-188	-202	-184	-163	236	58	71	18	33	60	21	63	51
SRev ST-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
SRev ST-Oil		-20	-20	-21	-21	-21	-20	-21	-9	69	68	68	68	67	71	71	78	9	1	4	4	5	5	4	4
SRev CCGT-Gas		589	633	342	730	787	780	889	943	1157	1118	976	1072	1114	1094	1293	1526	1434	1076	1037	718	690	379	279	392
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
SRev Distillate		86	239	68	110	127	403	445	449	383	382	382	382	381	388	420	54	53	53	5	113	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
Syncon		579	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730
Hydro		274	130	121	138	139	118	134	145	131	144	131	132	126	113	144	136	114	145	145	266	136	129	140	91
S.Reserve Total		1494	1658	1232	1630	1723	1936	2134	2217	2306	2201	2142	2196	2217	2208	2495	2753	2467	2084	1936	1713	1620	1027	879	925