

Availability At Daily Maximum Demand Hour

ST-Coal	1,725 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,093 MW
Hydro	1,634 MW
Distillate	0 MW
Total TNB	7,452 MW
Total IPP	10,452 MW
Total Co-Gen	32 MW
System Total	17,936 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30

TNB Generation	6,144 MW
IPP Generation	9,853 MW
Total Set On Bus	17,164 MW
Maximum Demand	16,065 MW
Spinning Reserve	1,135 MW
Net Energy	331,645 MWH
Load Factor	86.0 %
Total Cost	61,658,138 RM
Cost per Unit	19.01 cents/kWH

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	13007	12439	11970	11731	11495	11391	11603	11323	11950	13713	14805	15514	15506	15205	15665	15963	15913	15436	14212	14098	15125	14846	14331	13921

Gas Usage

Station	(mmscfd)
CBPS	74
GLGR	61
PAKA	138
PGGS	1
PGPS	41
SRDG	39
TJGS	212
TNB Total	567
KLPP	103
MPSS	58
PDPS	21
PGLA	114
PKLG	101
PLPS	96
PTEK	30
SGB3	81
SGRI	99
SKSP	54
YPGS	67
YPKA	128
IPP Total	953
Total Gas	1,520
Total Gas Required :	1,520
Gas Calorific Value :	38,500

Generation Mix

Type	MWh	Percentage
ST-Coal	41,485.00	12.51 %
Gas	72,276.00	21.79 %
Hydro	6,744.00	2.03 %
Total TNB	120,505.0	36.34 %
ST-Coal	90,159.0	27.19 %
ST-Gas	9,825.0	2.96 %
Gas	109,608.0	33.05 %
Total IPP	209,592.0	63.20 %
Co-Gen	940.0	0.28 %
Total Co-Gen	940.0	0.28 %
Total Generation	331,037.0	99.82 %
PLTG	94.0	0.03 %
HVDC	-702.0	-0.21 %
Interconnection	-608.0	-0.18 %
Net Energy	331,645.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	474
Hydro	130
Syncon	405
Thermal	74
Total	1083

Weather Temperature

Weather	Temperature
Morning	Sunny 23
Afternoon	Hot 34

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	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PGAU	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	
PGAU	HY04	-1	-1	-1	-1	24	-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	HY03	49	49	49	50	49	49	50	50	50	49	50	49	50	0	0	50	50	50	50	50	49	50	0	0	
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	-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	32	33	34	33	33	31	33	32	30	34	34	36	37	30	30	35	35	24	39	45	36	41	78	84	
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	
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
Total Hydro		211	211	212	213	237	208	212	215	208	240	217	224	252	210	182	201	173	150	211	233	320	374	560	460	
PCUF	CUFG	6	8	9	14	21	22	26	28	27	26	27	28	35	18	17	16	16	15	14	10	11	9	11	10	
PCUF	CUFK	28	31	30	29	29	31	29	30	29	30	30	31	31	30	32	30	28	28	26	25	24	23	22	23	
Total Co-Gen		34	39	39	43	50	53	55	58	56	56	57	59	66	49	47	48	46	43	42	36	36	33	34	32	
Total Gen		13022	12727	12408	12087	12004	11812	11714	11399	11481	11380	11387	11363	11592	11737	11371	11256	11908	13006	13806	14245	14698	15149	15462	15608	
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	-29	-29	-28	-28	-30	-30	-30	-29	-29	-30	-30	-29	-29	-29	-28	-28	-30	-30	-29	-29	-29	-29	-29	
TIE-PLTG		44	-16	-2	2	62	86	13	-83	16	1	25	-10	19	37	77	-23	-12	31	122	1	-78	68	-24		
Interconnection		15	-45	-31	-26	34	56	-17	-113	-14	-28	-4	-40	-11	8	48	-53	-42	2	93	-28	-107	40	-52		
System Total		13007	12772	12439	12113	11970	11756	11731	11512	11495	11378	11391	11483	11603	11729	11323	11309	11950	13004	13713	14273	14885	15109	15814	15855	
SRev ST-Coal		56	58	37	63	63	53	54	60	72	53	63	64	63	70	86	70	78	71	70	98	83	70	69	58	
SRev ST-Gas		1	25	38	36	36	36	36	36	36	36	36	37	37	37	16	36	35	5	0	0	-1	-1	-1	-1	
SRev CCGT-Gas		394	528	647	817	889	1065	1149	1464	1361	1511	1497	1498	1284	1144	1450	1737	1172	1032	696	620	240	287	217	229	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	136	40	87	49	196	
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		731	731	731	731	580	731	731	731	731	580	731	731	580	645	731	731	731	731	731	559	408	408	408	731	
Hydro		129	129	128	127	254	152	129	128	134	134	256	126	121	245	133	263	179	120	147	85	65	128	74	104	
S.Reserve Total		1311	1471	1581	1774	1822	2017	2099	2419	2334	2465	2432	2455	2236	2076	2437	2666	2102	1994	1650	1642	1174	1315	1140	1156	1167