

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,192 MW
Hydro	1,672 MW
Distillate	0 MW
Total TNB	7,244 MW
Total IPP	9,934 MW
Total Co-Gen	89 MW
System Total	17,267 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:30	
TNB Generation	6,541 MW
IPP Generation	9,486 MW
Total Set On Bus	16,957 MW
Maximum Demand	16,091 MW
Spinning Reserve	841 MW
Net Energy	325,219 MWH
Load Factor	84.2 %
Total Cost	64,382,383 RM
Cost per Unit	20.56 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	12444	11795	11346	10927	10730	10595	10810	11030	11606	13515	14474	15295	15296	15057	15626	15951	15931	15457	14245	13928	14999	14902	14493	14081

Gas Usage

Station	(mmscfd)
CBPS	97
GLGR	32
PAKA	147
PGGS	8
PGPS	46
SRDG	54
TJGS	221
TNB Total	606
KLPP	110
MPSS	57
PDPS	41
PGLA	117
PLPS	91
PTEK	55
SGB3	54
SGRI	198
SKSP	56
YPKA	120
IPP Total	900
Total Gas	1,506

Total Gas Required : 1,624
Gas Calorific Value : 38,500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	118
Total	118

Generation Mix

Type	MWh	Percentage
ST-Coal	33,110.00	10.18 %
Gas	76,410.00	23.49 %
Hydro	12,170.00	3.74 %
Total TNB	121,690.0	37.42 %
ST-Coal	77,068.0	23.70 %
ST-Oil	11,536.0	3.55 %
Gas	113,312.0	34.84 %
Total IPP	201,916.0	62.09 %
Co-Gen	2,157.0	0.66 %
Total Co-Gen	2,157.0	0.66 %
Total Generation	325,763.0	100.17 %
PLTG	-80.0	-0.02 %
EGAT	-4.0	0.00 %
HVDC	628.0	0.19 %
Interconnection	544.0	0.17 %
Net Energy	325,219.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	424
Hydro	170
Syncon	364
Thermal	145
Total	1103

	Weather	Temperature
Morning	Sunny	25
Afternoon	Hot	35

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	36	50	31	26	23	36	44	46	34	30	33	37	41	30	35	35	33	36	43	33	33	85	82	79
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hydro		155	231	231	203	139	157	165	168	155	148	152	158	164	263	156	154	285	525	417	389	565	776	816	603
PCUF	CUFG	51	52	51	53	52	52	52	50	52	52	52	52	53	54	50	53	52	54	51	52	51	52	51	52
PCUF	CUFK	39	40	39	40	41	40	41	40	40	41	40	40	39	39	37	36	35	34	35	35	34	33	35	35
Total Co-Gen		90	92	90	93	93	92	93	92	88	92	93	92	94	95	91	93	92	93	91	91	87	87	86	86
Total Gen		11472	11198	11156	11007	10803	10682	10345	10266	10174	10073	9996	9964	10162	10505	10503	10569	10875	11754	12496	13128	13492	13853	14208	14380
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		-30	-30	-29	30	30	30	30	30	30	30	30	30	30	30	30	29	29	31	31	30	30	29	29	31
TIE-PLTG		-8	-158	33	20	16	1	-38	-29	9	29	-53	-22	-44	21	23	21	-23	50	-10	3	18	2	-45	
Interconnection		-38	-188	4	50	46	31	-8	1	39	59	-23	8	-14	51	53	51	7	80	19	32	49	33	-15	
System Total		12440	12128	11795	11557	11346	11226	10927	10862	10730	10590	10595	10534	10810	11028	11030	11115	11606	12673	13515	14130	14474	14849	15295	15518
SRev ST-Coal		94	77	85	94	80	84	92	89	90	82	84	84	85	92	138	136	134	134	141	133	134	137	123	
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		13	14	14	14	14	11	86	76	75	74	74	75	75	75	75	87	10	5	5	6	6	5	23	
SRev CCGT-Gas		376	583	375	566	746	917	1234	1151	1215	1358	1438	1465	1214	1082	964	1094	1212	704	267	437	255	212	220	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	188	38	210	60	56	198	184	
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		726	575	424	424	726	726	726	726	726	726	726	726	575	726	726	726	625	474	474	625	474	323	323	
Hydro		107	182	333	351	123	105	98	95	108	114	110	104	98	150	106	106	118	189	98	204	81	57	149	
S.Reserve Total		1316	1431	1231	1459	1689	1843	2236	2137	2214	2354	2432	2454	2198	1974	2009	2137	2265	1739	1178	1291	1310	946	877	