

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	4,360 MW
Hydro	1,821 MW
Distillate	0 MW
Total TNB	8,321 MW
Total IPP	9,936 MW
Total Co-Gen	74 MW
System Total	18,331 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 15:30

TNB Generation	6,903 MW
IPP Generation	8,458 MW
Total Set On Bus	16,376 MW
Maximum Demand	15,416 MW
Spinning Reserve	941 MW
Net Energy	316,527 MWH
Load Factor	85.6 %
Total Cost	57,083,974 RM
Cost per Unit	18.71 cents/KW/hr

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	12246	11696	11237	11136	10930	10583	11068	11194	11633	13234	14008	14708	14627	14394	15013	15204	15282	14782	13852	13801	14603	14381	13589	13036

Gas Usage

Station	(mmscfd)
CBPS	47
GLGR	65
PAKA	168
PGPS	53
SRDG	41
TJGS	215
TNB Total	590
KLPP	107
MPSS	58
PDPS	5
PGLA	93
PKLG	115
PLPS	99
PTEK	7
SGRI	194
SKSP	52
YPGS	70
YPKA	99
IPP Total	899
Total Gas	1,489

Total Gas Required : 1,489
Gas Calorific Value : 38.500

Generation Mix

Type	MWh	Percentage
ST-Coal	49,178.00	15.54 %
Gas	75,534.00	23.86 %
Hydro	12,654.00	4.00 %
Total TNB	137,366.0	43.40 %
ST-Coal	65,290.0	20.63 %
ST-Gas	11,252.0	3.55 %
Gas	101,894.0	32.19 %
Total IPP	178,436.0	56.37 %
Co-Gen	1,880.0	0.59 %
Total Co-Gen	1,880.0	0.59 %
Total Generation	317,682.0	100.36 %
PLTG	429.0	0.14 %
HVDC	726.0	0.23 %
Interconnection	1,155.0	0.36 %
Net Energy	316,527.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	250
Hydro	156
Syncon	430
Thermal	99
Total	935

Weather Temperature

	Weather	Temperature
Morning	Sunny	27
Afternoon	Hot	31

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	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	0	0	0	0	0	0	0	0	25	25	16	16	16	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1													
TMGR	HY02	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1													
TMGR	HY04	28	31	36	33	32	36	35	32	37	22	35	39	39	32	33	41	32	33	34	26	32	37	34	40	33	33	36	40	79	79	76	76	77	76	29	35	32	38	37	43	32	33	32	28	31	33	35			
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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
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	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		369	294	224	186	184	218	195	183	212	165	195	231	318	407	184	233	486	511	407	403	516	748	876	885	753	522	544	555	849	1126	1078	1100	1096	995	725	540	501	553	680	880	882	745	697	662	484	196	222	205		
PCUF	CUFG	46	46	46	46	47	48	47	47	47	46	45	47	47	47	43	42	44	43	41	43	43	42	43	44	42	43	43	43	43	43	44	42	44	43	44	43	44	43	44	43	42	44	44	44	41	43	44	44	42	43
PCUF	CUFK	33	35	34	35	35	35	36	36	33	35	33	35	36	36	38	39	39	38	38	36	35	35	35	33	31	32	32	33	31	31	32	30	33	32	33	33	35	34	34	34	34	35	34	35	35	35	34	34	33	33
Total Co-Gen		79	81	80	81	82	83	83	83	80	81	78	82	83	83	81	81	83	81	79	79	78	77	78	77	73	75	75	76	74	74	75	74	75	76	76	77	78	78	77	76	78	79	75	78	79	78	76	76		
Total Gen		12416	11955	11743	11464	11282	11149	11122	10966	10957	10757	10584	10714	11034	11315	11321	11215	11775	12631	13288	13729	14090	14338	14737	14756	14657	14465	14438	14676	15029	15310	15283	15435	15399	15221	14805	14418	13870	13681	13939	14516	14579	14499	14408	14161	13755	13427	13129	12875		
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
TIE-HVDC		30	30	30	30	30	31	31	30	30	30	30	30	30	30	30	31	31	30	30	31	31	31	31	31	30	30	30	30	30	30	31	31	30	30	30	30	30	30	30	30	30	31	31	29	29	31	31	30	30	
TIE-PLTG		140	120	17	-11	15	-80	-45	-37	-3	176	-29	-70	-64	24	97	134	112	-1	23	16	52	8	-2	-35	-1	-8	14	-5	-14	-1	49	-12	86	-4	-7	-18	-12	-81	108	-61	-54	-10	-4	72	137	54	62	12		
Interconnection		170	150	47	19	45	-49	-14	-7	27	206	1	-40	-34	54	127	164	142	30	54	46	82	39	29	-4	30	22	44	25	16	29	79	19	117	26	23	12	18	-51	138	-31	-24	21	27	101	166	85	93	42		
System Total		12246	11805	11696	11445	11237	11198	11136	10973	10930	10551	10583	10754	11068	11261	11194	11051	11633	12601	13234	13683	14008	14299	14708	14760	14627	14443	14394	14651	15013	15281	15204	15416	15282	15195	14782	14406	13852	13732	13801	14547	14603	14478	14381	14060	13589	13342	13036	12833		
SRev ST-Coal		143	136	137	183	188	189	192	113	212	244	301	288	300	124	121	122	119	117	134	116	123	116	104	113	107	107	106	108	105	108	105	101	126	121	127	136	120	122	121	116	99	117	109	118	116	108	107	110		
SRev ST-Gas		2	85	75	75	75	75	75	74	74	75	75	75	74	74	75	78	63	9	3	3	4	4	3	3	2	2	2	2	2	10	0	0	1	1	-1	26	83	81	12	0	-7	-9	-10	0	0	-1	17			
SRev CCGT-Gas		397	655	731	876	1058	1228	1246	1475	1413	1531	1674	1599	1355	1340	1112	1265	1240	1101	745	374	118	107	101	128	124	163	148	143	143	151	282	184	189	203	269	253	419	498	334	126	190	161	137	236	392	429	204	420		
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
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
Syncon		732	731	580	731	731	731	731	731	731	731	580	429	731	731	625	625	625	625	625	625	625	625	474	474	474	625	625	625	474	323	323	323	323	323	474	625	625	625	474	474	474	625	625	625	625	731	580	731		
Hydro		144	126	241	129	130	94	119	132	102	150	119	83	147	209	130	81	144	117	223	279	165	82	106	95	228	110	87	76	133	157	205	183	187	188	257	91	130	78	99	99	250	236	134	169	145	118	243	108		
S.Reserve Total		1418	1733	1764	1994	2182	2317	2363	2525	2532	2731	2900	2776	2457	2176	2168	2274	2206	2023	1736	1397	1034	934	867	945	1041	1037	1063	1044	889	758	1054	941	978	1017	1523	1183	1394	1435	1139	828	1020	1101	1038	1213	1278	1386	1133	1386		