

Availability At Daily Maximum Demand Hour

ST-Coal	1,950 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,248 MW
Hydro	1,807 MW
Distillate	0 MW
Total TNB	8,005 MW
Total IPP	11,753 MW
Total Co-Gen	28 MW
System Total	19,786 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30	
TNB Generation	6,161 MW
IPP Generation	9,839 MW
Total Set On Bus	16,978 MW
Maximum Demand	16,060 MW
Spinning Reserve	950 MW
Net Energy	344,090 MWH
Load Factor	89.3 %
Total Cost	57,381,118 RM
Cost per Unit	17.16 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	14183	13459	13049	12673	12474	12493	12645	12263	12563	14228	15195	15626	15507	15267	15892	16026	15994	15558	14610	14335	14899	15282	14973	14665

Gas Usage

Station	(mmscfd)
CBPS	44
GLGR	59
PAKA	182
PGPS	43
SRDG	9
TJGS	220
TNB Total	559
KLPP	101
MPSS	52
PDPS	4
PGLA	108
PKLG	23
PLPS	74
SGRI	186
SKSP	53
YPGS	68
YPKA	128
IPP Total	798
Total Gas	1,356
Total Gas Required :	1,382
Gas Calorific Value :	38.500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	26
Total	26

Generation Mix

Type	MWh	Percentage
ST-Coal	46,998.00	13.66 %
Gas	72,989.00	21.21 %
Hydro	8,651.00	2.51 %
Total TNB	128,638.0	37.38 %
ST-Coal	107,002.0	31.10 %
ST-Gas	2,211.0	0.64 %
ST-Oil	2,519.0	0.73 %
Gas	101,851.0	29.60 %
Total IPP	213,583.0	62.07 %
Co-Gen	715.0	0.21 %
Total Co-Gen	715.0	0.21 %
Total Generation	342,936.0	99.66 %
PLTG	-456.0	-0.13 %
HVDC	-698.0	-0.20 %
Interconnection	-1,154.0	-0.34 %
Net Energy	344,090.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	386
Hydro	345
Syncon	325
Thermal	77
Total	1132

	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																											
TMGR	HY04	32	31	34	31	38	30	32	36	32	34	33	34	36	35	31	26	35	33	28	33	37	35	31	33	35	34	36	36	37	39	34	36	35	41	33	31	31	32	34	37	42	78	78	79	39	39	32	35			
UPIA	HY01	4	4	4	4	4	4	5	4	4	5	5	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	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	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
Total Hydro		166	186	169	165	176	163	167	194	186	171	168	171	173	172	165	158	172	194	160	264	503	591	684	723	701	598	600	699	703	731	814	787	787	611	396	203	203	165	168	174	382	669	511	506	181	181	166	211			
PCUF	CUPG	4	4	3	3	5	4	4	5	3	4	4	5	4	5	5	5	6	6	3	4	6	3	3	4	3	4	3	4	4	4	3	4	4	8	8	8	10	9	10	9	10	11	10	9	10	10	9				
PCUF	CLFK	23	24	25	24	25	24	24	25	26	24	26	23	23	25	25	24	24	23	25	24	25	24	24	25	26	24	24	24	24	25	24	24	24	23	22	25	25	23	24	24	24	24	23	24	24	24	23				
Total Co-Gen		27	28	28	27	30	28	28	30	29	28	30	28	27	30	30	29	29	29	31	27	29	30	27	28	30	27	28	27	29	28	29	28	28	32	31	30	35	34	33	33	34	35	33	33	34	34	32				
Total Gen		14123	13887	13403	13196	12942	12683	12653	12518	12434	12575	12429	12432	12608	12527	12246	11765	12464	13519	14209	14704	15056	15360	15577	15638	15439	15223	15201	15552	15805	16027	15993	15991	15971	15752	15547	14950	14639	14386	14319	14644	14803	15326	15218	15243	14877	14841	14642	14486			
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		-29	-30	-30	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-28	-28	-29	-29	-29	-30	-30	-29	-29	-29	-29	-30	-30	-28	-28	-29	-30	-29	-29	-29	-28	-28	-30	-29	-30	-30				
TIE-PLTG		-32	-91	-27	-41	-79	-4	8	-54	-13	9	-36	1	-9	-27	11	-37	-71	-6	9	-8	-108	-23	-21	-17	-37	15	-36	20	-55	-3	-4	-15	6	-44	19	46	56	-55	13	11	-68	-57	-37	31	-67	-18	6	26			
Interconnection		-61	-121	-57	-70	-108	-33	-21	-82	-41	-20	-65	-28	-38	-56	-18	-66	-100	-35	-20	-38	-138	-51	-49	-46	-66	-14	-65	-10	-85	-32	-33	-44	-23	-74	-11	18	28	-84	-17	-18	-97	-86	-65	3	-97	-47	-24	-4			
System Total		14184	13978	13460	13266	13050	12716	12674	12600	12475	12595	12494	12460	12646	12583	12264	11831	12564	13554	14229	14742	15194	15411	15626	15684	15505	15237	15266	15562	15890	16059	16026	16038	15994	15826	15558	14932	14611	14470	14336	14662	14900	15412	15283	15240	14974	14888	14666	14490			
SRev	ST-Coal	69	55	71	59	53	68	49	62	75	87	99	110	97	92	63	138	75	66	58	61	64	67	38	77	52	67	63	54	57	66	60	55	57	71	59	58	56	60	54	57	62	69	61	62	73	87	68	38			
SRev	ST-Gas	1	1	35	37	37	37	37	38	38	38	38	38	38	38	38	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37		
SRev	ST-Oil	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	CCGT-Gas	313	255	533	531	698	927	980	1131	1193	1023	1156	1144	982	1069	1333	1731	1489	1190	826	550	486	308	272	211	412	505	534	381	268	176	302	279	286	312	320	478	706	922	997	666	690	428	387	354	384	197	400	579			
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	-4	-4	-3	-3	0	-4	-4	-5	-3	-4	-4	-5	-4	0	-5	0	-5	0	0	-3	-4	0	-3	-3	-4	-3	-4	-3	-4	-4	-4	-4	-3	-4	-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Syncon		578	578	578	578	728	728	728	577	577	728	728	728	728	728	728	728	728	728	728	426	577	577	476	476	476	476	627	627	627	627	627	476	476	476	476	392	578	578	493	493	493	493	493	391	391	391	493	580	580	492	
Hydro		151	111	128	132	121	134	130	254	262	126	129	126	124	125	132	139	125	255	138	134	96	95	115	226	97	100	98	99	95	218	135	162	162	87	101	94	94	132	129	123	115	80	238	243	116	116	131	237			
S.Reserve Total		1088	996	1342	1334	1637	1890	1920	2057	2142	1998	2146	2141	1965	2052	2289	2773	2449	2124	1786	1506	1305	1133	1090	1029	1225	1337	1360	1297	1046	952	987	989	988	872	1070	1228	1350	1608	1674	1348	1359	967	1076	1049	1065	979	1178	1345			