

Availability At Daily Maximum Demand Hour

ST-Coal	1,380	MW
ST-Gas	70	MW
ST-Oil	0	MW
Gas	3,635	MW
Hydro	1,819	MW
Distillate	120	MW
Total TNB	7,024	MW
Total IPP	9,309	MW
Total Co-Gen	80	MW
System Total	16,413	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:00		
TNB Generation	6,002	MW
IPP Generation	8,726	MW
Total Set On Bus	15,872	MW
Maximum Demand	14,825	MW
Spinning Reserve	1,064	MW
Net Energy	309,513	MWH
Load Factor	87.0	%
Total Cost	63,511,067	RM
Cost per Unit	21.97	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	12142	11592	11104	10761	10506	10287	10956	11215	11468	12981	13650	14338	14456	13912	14644	14749	14825	14529	13542	13223	14333	14062	13415	12816

Gas Usage

Station	(mmscfd)
CBPS	87
GLGR	65
PAKA	155
PGGS	7
PGPS	54
SRDG	87
TJGS	133
TNB Total	587
KLPP	130
MPSS	65
PDPS	46
PGLA	114
PLPS	121
PTEK	59
SGB3	109
SGRI	230
SKSP	54
YPGS	70
YPKA	64
IPP Total	1,062
Total Gas	1,649

Alternate Fuel Usage

Station	(mmscfd)
CBPS	2
PKLG	69
TJGS	5
Total	75

Generation Mix

Type	MWh	Percentage
ST-Coal	29,511.00	9.53 %
Gas	67,929.00	21.95 %
Hydro	19,718.00	6.37 %
Distillate	562.00	0.18 %
Total TNB	117,720.0	38.03 %
ST-Coal	48,226.0	15.58 %
ST-Oil	6,774.0	2.19 %
Gas	134,134.0	43.34 %
Total IPP	189,134.0	61.11 %
Co-Gen	1,922.0	0.62 %
Total Co-Gen	1,922.0	0.62 %
Total Generation	308,776.0	99.76 %
PLTG	-44.0	-0.01 %
HVDC	-693.0	-0.22 %
Interconnection	-737.0	-0.24 %
Net Energy	309,513.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	605
Hydro	251
Syncon	161
Thermal	20
Total	1037

Weather Temperature

	Weather	Temperature
Morning	Sunny	27
Afternoon	Hot	35

Total Gas Required : 1,725
Gas Calorific Value : 38.500

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			
KNYR	HY03	100	100	101	100	101	100	102	99	100	102	100	102	101	100	99	100	100	100	101	101	101	100	100	99	100	98	100
KNYR	HY04	100	100	102	101	102	101	102	100	100	102	101	102	101	101	100	101	101	101	101	101	101	101	101	101	101	101	101
LFIA	HY01	24	24	24	24	24	24	23	24	23	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	7	7	7	6	6	4	4
PGAU	HY01	0	0	0	0	-1	-1	101	-1	-1	-1	-1	19	-1	-1	-1	108	107	110	113	114	114	114	106	113	114	110	113
PGAU	HY02	-1	-1	-1	-1	-1	-1	108	-1	-1	-1	-1	-1	-1	-1	108	107	111	114	115	115	115	105	-1	114	109	113	113
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	108	107	111	114	115	114	-1	-1	113	109	113	112	83
PGAU	HY04	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	107	111	109	108	111	114	114	113	114	106	114	114	113	113	114
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	30	30	30	30	0	0	0	51	50	50	30	30
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	0	0	0	0	50	50	30	30	30
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	16	16	16	16	0	0	0	25	25	25	25	16
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	16	16	16	16	0	0	0	9	25	25	16	16
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	0	0	0	0	24	24	16	16	16
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	0	0	0	0	25	25	25	25	16
TMGR	HY01	27	27	33	28	31	27	38	25	27	32	27	34	35	40	32	25	36	37	40	51	50	76	78	81	79	79	73
TMGR	HY02	28	27	32	-1	-1	-1	77	28	-1	-1	-1	-1	-1	-1	51	51	75	77	84	79	78	73	77	77	69	77	80
TMGR	HY03	26	27	-1	-1	-1	-1	36	-1	-1	-1	-1	-1	-1	-1	50	50	66	67	73	68	-1	-1	-1	71	71	72	
TMGR	HY04	29	30	35	31	34	30	39	28	30	35	31	37	38	42	35	29	37	38	40	51	50	73	74	77	75	75	69
UPIA	HY01	5	5	5	5	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
UPIA	HY02	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
Total Hydro		660	564	505	457	466	455	484	772	505	496	479	502	628	622	599	574	568	675	690	1135	1127	1391	1475	1503	1477	1142	1093
CBPS	GT05	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
TJGS	GT1B	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
Total Distillate		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
PCUF	CUFG	43	43	43	44	43	43	43	43	43	44	44	44	45	44	44	44	43	43	43	43	43	43	43	43	42	42	42
PCUF	CUFK	36	37	36	37	36	37	38	37	38	38	39	38	39	38	39	38	39	39	37	38	38	36	36	35	34	36	34
Total Co-Gen		79	80	79	81	79	80	81	80	81	81	82	82	83	82	84	84	84	81	82	82	82	79	79	79	77	77	79
Total Gen		12076	11677	11559	11178	11064	10913	10723	10589	10494	10365	10255	10531	10873	11105	11109	10983	11420	12550	12939	13309	13640	14000	14321	14500	14418	14064	13898
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
TIE-HVDC		-29	-29	-29	-29	-29	-28	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-28	-28	-29	-29	-29	-29	-30	-30	-29
TIE-PLTG		-37	-12	-4	-13	-11	-5	-10	4	17	-44	-3	-71	-54	-33	-77	-3	-18	33	-13	2	19	29	13	-16	-9	65	
Interconnection		-66	-41	-33	-42	-40	-34	-38	-25	-12	-73	-32	-100	-83	-62	-106	-32	-48	3	-42	-27	-10	0	-17	-46	-38	36	
System Total		12142	11718	11592	11220	11104	10947	10761	10614	10506	10438	10287	10631	10956	11167	11215	11015	11468	12547	12981	13336	13650	14000	14338	14546	14456	14028	13912
SRev ST-Coal		22	22	18	60	47	66	8	6	14	8	7	4	1	11	8	41	-5	-1	39	14	15	9	61	79	76	77	
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	0	0	0
SRev ST-Oil		3	3	3	3	3	2	4	3	3	3	3	2	2	3	11	1	3	3	3	2	2	2	3	3	3	3	2
SRev CCGT-Gas		319	267	176	468	617	735	967	884	739	866	959	708	591	491	487	573	799	411	279	391	373	270	113	128	129	159	
SRev OCGT-Gas		267	47	0	0	0	0	0	0	0	0	0	0	0	0	-3	133	475	479	477	554	530	414	538	553	579	534	
SRev Distillate		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
Syncon		453	453	539	625	625	625	625	151	539	625	625	625	625	625	625	0	0	0	0	0	0	0	0	0	0	0	0
Hydro		346	337	190	152	143	154	125	311	211	135	151	129	259	114	137	162	168	211	196	376	384	280	337	307	333	193	

Daily MW Generation On Thursday
23-Jan-2014

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																								
S.Reserve Total		1410	1129	926	1308	1435	1582	1729	1355	1506	1637	1745	1468	1327	1244	1268	1402	1587	1382	1617	1262	1251	1115	1043	931	1079	1222	1512	1263	1028	1141	1143	1197	1064	1231	1357	1295	1576	1896	1876	1192	1252	1169	1184	1333	1421	998	1342	1210