

Availability At Daily Maximum Demand Hour

ST-Coal	1,380	MW
ST-Gas	70	MW
ST-Oil	0	MW
Gas	4,280	MW
Hydro	1,661	MW
Distillate	0	MW
Total TNB	7,391	MW
Total IPP	10,722	MW
Total Co-Gen	75	MW
System Total	18,188	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:00

TNB Generation	5,870	MW
IPP Generation	10,010	MW
Total Set On Bus	16,934	MW
Maximum Demand	15,937	MW
Spinning Reserve	979	MW
Net Energy	333,029	MWH
Load Factor	87.1	%
Total Cost	62,802,695	RM
Cost per Unit	19.49	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	13486	12828	12371	11957	11807	11686	11623	11673	12063	13649	14472	15291	15170	15015	15582	15778	15937	15406	14155	13854	15011	14855	14636	14089

Gas Usage

Station	(mmscfd)
CBPS	46
GLGR	65
PAKA	168
PGPS	53
SRDG	38
TJGS	221
TNB Total	591
KLPP	115
MPSS	53
PDPS	8
PGLA	94
PKLG	37
PLPS	78
PTEK	8
SGB3	58
SGRI	191
SKSP	54
YPGS	67
YPKA	131
IPP Total	893
Total Gas	1,484

Total Gas Required : 1,558
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	74
Total	74

Generation Mix

Type	MWh	Percentage
ST-Coal	33,071.00	9.93 %
Gas	76,177.00	22.87 %
Hydro	10,328.00	3.10 %
Total TNB	119,576.0	35.91 %
ST-Coal	88,959.0	26.71 %
ST-Gas	3,608.0	1.08 %
ST-Oil	7,169.0	2.15 %
Gas	111,320.0	33.43 %
Total IPP	211,056.0	63.37 %
Co-Gen	1,904.0	0.57 %
Total Co-Gen	1,904.0	0.57 %
Total Generation	332,536.0	99.85 %
PLTG	203.0	0.06 %
HVDC	-696.0	-0.21 %
Interconnection	-493.0	-0.15 %
Net Energy	333,029.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	326
Hydro	149
Syncon	458
Thermal	85
Total	1019

	Weather	Temperature
Morning	Sunny	28
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
PGAU	HY04	22	-1	-1	-1	-1	-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	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	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	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	HY03	29	34	84	36	33	22	21	33	29	39	33	35	30	84	26	34	33	30	33	30	29	30	30	84
TMGR	HY04	-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	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
UPIA	HY02	3	3	3	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Total Hydro		229	230	283	251	229	174	171	217	194	238	228	229	211	350	199	256	252	215	211	409	457	624	760	
PCUF	CUFG	42	42	43	42	43	42	42	44	43	43	43	43	44	44	44	44	43	41	41	41	41	42	42	
PCUF	CUFK	37	37	37	40	40	39	39	40	39	40	40	41	40	40	38	39	41	40	40	37	36	36	36	34
Total Co-Gen		79	79	80	82	83	81	81	82	83	83	83	84	83	84	82	83	85	83	81	78	77	77	78	
Total Gen		13407	12980	12779	12645	12336	12237	12007	11901	11810	11558	11581	11600	11547	11959	11712	11804	12012	12783	13647	14146	14488	14934	15307	
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	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-44	-64	-15	-18	-1	114	85	9	38	-108	-70	-75	-42	-75	73	-82	-16	-9	27	25	45	55	46	
Interconnection		-73	-93	-44	-47	-30	85	56	-20	9	-137	-99	-104	-71	-104	44	-111	-46	-39	-2	-4	16	26	16	
System Total		13480	13073	12823	12692	12366	12152	11951	11921	11801	11695	11680	11704	11618	12063	11668	11915	12058	12822	13649	14150	14472	14908	15291	
SRev ST-Coal		91	144	219	168	147	100	88	91	92	88	88	101	80	78	88	87	84	149	86	89	87	86	91	
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	0	0	0	
SRev ST-Oil		3	3	78	74	73	73	73	73	72	72	73	73	73	73	73	78	41	3	3	2	2	2	2	
SRev CCGT-Gas		659	457	346	341	625	717	955	1106	1175	1478	1438	1419	1469	1205	1280	1251	1038	806	687	564	475	419	277	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	84	0	6	6	8	
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	
Syncon		580	731	731	580	731	731	731	731	731	731	731	731	731	429	580	580	580	580	580	580	580	625	474	
Hydro		233	81	28	210	80	135	138	92	117	74	82	81	101	264	264	207	211	248	251	263	259	197	263	
S.Reserve Total		1566	1416	1402	1373	1656	1756	1985	2093	2188	2443	2411	2404	2454	2049	2285	2198	1986	1856	1682	1537	1527	1330	1113	