

Availability At Daily Maximum Demand Hour

ST-Coal	1,380	MW
ST-Gas	70	MW
ST-Oil	0	MW
Gas	3,396	MW
Hydro	1,812	MW
Distillate	240	MW
Total TNB	6,898	MW
Total IPP	10,087	MW
Total Co-Gen	77	MW
System Total	17,062	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 15:00

TNB Generation	4,623	MW
IPP Generation	8,044	MW
Total Set On Bus	13,748	MW
Maximum Demand	12,715	MW
Spinning Reserve	1,004	MW
Net Energy	278,632	MWH
Load Factor	91.3	%
Total Cost	49,113,828	RM
Cost per Unit	18.16	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	12066	11620	10880	10571	10405	10051	10273	10452	10529	11278	11947	12379	12448	12224	12414	12715	12584	12243	11469	11443	12436	12306	12010	11891

Gas Usage

Station	(mmscfd)
CBPS	56
GLGR	65
PAKA	86
PGPS	51
SRDG	6
TJGS	144
TNB Total	408
KLPP	101
MPSS	56
PGLA	112
PKLG	3
PLPS	108
SGB3	67
SGRI	172
SKSP	34
YPGS	67
YPKA	130
IPP Total	851
Total Gas	1,259
Total Gas Required :	1,267
Gas Calorific Value :	38.500

Alternate Fuel Usage

Station	(mmscfd)
CBPS	5
TJGS	3
Total	8

Generation Mix

Type	MWh	Percentage
ST-Coal	32,393.00	11.63 %
Gas	51,056.00	18.32 %
Hydro	9,353.00	3.36 %
Distillate	844.00	0.30 %
Total TNB	93,646.0	33.61 %
ST-Coal	72,908.0	26.17 %
ST-Gas	265.0	0.10 %
Gas	111,013.0	39.84 %
Total IPP	184,186.0	66.10 %
Co-Gen	1,969.0	0.71 %
Total Co-Gen	1,969.0	0.71 %
Total Generation	279,801.0	100.42 %
PLTG	443.0	0.16 %
HVDC	726.0	0.26 %
Interconnection	1,169.0	0.42 %
Net Energy	278,632.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	445
Hydro	183
Syncon	391
Thermal	1
Total	1019

Weather Temperature

	Weather	Temperature
Morning	Sunny	26
Afternoon	Hot	32

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																										
PCUF	CUFG	46	46	45	46	44	44	46	46	44	47	45	45	47	46	47	47	47	46	44	43	42	44	43	43	44	44	42	42	44	42	43	43	43	45	44	45	43	44	46	44	45	44	46	46	47					
PCUF	CUFK	41	41	41	40	38	38	41	42	39	39	39	41	40	39	39	40	37	37	36	35	36	36	36	34	35	36	35	34	35	34	35	34	35	35	36	37	37	37	35	37	37	37	36	37	37	37	38			
Total Co-Gen		87	87	86	86	82	82	87	88	83	86	84	86	87	85	88	87	86	85	84	80	79	80	78	79	80	80	76	77	80	77	77	78	76	78	78	79	82	81	82	78	81	83	81	81	81	83	83	85		
Total Gen		12159	11725	11666	11252	10924	10883	10586	10397	10458	10307	10135	10173	10305	10603	10479	10413	10526	10979	11278	11639	12023	12245	12403	12544	12459	12422	12193	12366	12434	12682	12744	12745	12638	12524	12286	11926	11533	11329	11493	12184	12504	12658	12366	12252	12060	11975	11935	11718		
TIE-BGAT		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	31	31	31	30	30	30	30	30	30	30	30	30	30	30	31	31	30	30	30	30	30	30	31	31	31	29	29	31	31	31	31	30	30	31	31	30	30	31	30	31	29	30	31	29	29	29	31	
TIE-PLTG		63	80	15	38	13	10	-15	-66	23	102	54	34	2	36	-3	70	-33	28	-31	20	46	-14	-6	-25	-19	-36	-62	14	-9	72	-2	21	23	40	13	31	33	13	24	103	41	58	30	5	21	-4	15	21		
Interconnection		93	110	46	69	44	41	15	-36	53	132	84	64	32	66	27	100	-3	58	0	51	76	16	24	5	11	-5	-31	45	20	101	29	52	54	71	43	61	64	44	54	133	72	87	60	36	50	25	44	52		
System Total		12066	11615	11620	11183	10880	10842	10571	10433	10405	10175	10051	10109	10273	10537	10452	10313	10529	10921	11278	11588	11947	12229	12379	12539	12448	12427	12224	12321	12414	12581	12715	12693	12584	12453	12243	11865	11469	11285	11439	12051	12432	12571	12366	12216	12010	11950	11891	11666		
SRev ST-Coal		3	1	-8	16	6	-8	55	97	106	99	129	120	131	24	123	134	103	7	-7	6	2	-6	21	-1	2	0	-1	-2	11	12	-4	-16	0	1	-4	4	11	1	-2	13	-3	6	1	4	-13	9	-6	2		
SRev ST-Gas		74	67	31	29	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		561	483	425	761	1108	1167	1469	1627	1548	1699	1840	1820	1683	1512	1729	1819	1764	1821	1234	945	678	521	333	216	297	339	562	432	292	267	376	411	409	549	564	498	692	726	569	184	347	350	543	462	515	537	450	309		
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	92	5	74	81	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	-7	3	3	6
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		731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	429	429	278	278	278	278	278	278	278	580	731	731	731	474	278	278	278	278	278	278	429	580
Hydro		66	112	106	120	117	113	110	110	114	124	123	116	111	240	202	74	66	121	112	107	109	103	104	103	105	102	106	282	279	310	308	320	354	262	234	125	79	87	84	166	266	289	229	214	213	274	207	229		
S.Reserve Total		1435	1394	1285	1657	1962	2003	2365	2565	2499	2653	2823	2787	2506	2356	2634	2758	2664	2680	2070	1789	1520	1349	1189	1049	1135	1172	1398	1141	1011	979	1004	1004	1049	1099	1117	1207	1513	1545	1382	837	980	928	1128	1042	986	1101	1083	1126		