

Availability At Daily Maximum Demand Hour

ST-Coal	2,070	MW
ST-Gas	70	MW
ST-Oil	0	MW
Gas	4,086	MW
Hydro	1,588	MW
Distillate	0	MW
Total TNB	7,814	MW
Total IPP	9,880	MW
Total Co-Gen	86	MW
System Total	17,780	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30		
TNB Generation	6,544	MW
IPP Generation	9,005	MW
Total Set On Bus	16,911	MW
Maximum Demand	15,677	MW
Spinning Reserve	1,276	MW
Net Energy	332,894	MWH
Load Factor	88.5	%

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	13409	12729	12308	12100	11998	11669	11833	11934	12287	13886	14932	15483	15435	15051	15530	15661	15573	15226	14388	14255	14973	14869	14264	13810

Gas Usage

Station	(mmscfd)
CBPS	96
GLGR	58
PAKA	166
PGGS	19
PGPS	67
SRDG	73
TJGS	125
TNB Total	604
KLPP	97
MPSS	56
PDPS	50
PGLA	112
PKLG	39
PLPS	112
PTEK	50
SGB3	50
SGRI	226
YPGS	47
YPKA	69
IPP Total	909
Total Gas	1,513

Total Gas Required : 1,513
Gas Calorific Value : 38,500

Generation Mix

Type	MWh	Percentage
ST-Coal	49,643.00	14.91 %
ST-Gas	1,401.00	0.42 %
Gas	68,866.00	20.69 %
Hydro	14,436.00	4.34 %
Total TNB	134,346.0	40.36 %
ST-Coal	85,770.0	25.76 %
ST-Gas	1,088.0	0.33 %
Gas	110,261.0	33.12 %
Total IPP	197,119.0	59.21 %
Co-Gen	2,238.0	0.67 %
Total Co-Gen	2,238.0	0.67 %
Total Generation	333,703.0	100.24 %
PLTG	85.0	0.03 %
HVDC	724.0	0.22 %
Interconnection	809.0	0.24 %
Net Energy	332,894.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	435
Hydro	165
Syncon	337
Thermal	180
Total	1117

	Weather	Temperature
Morning	Sunny	25
Afternoon	Hot	36

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
KNRG	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
KNRG	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
KNRG	HY03	21	23	22	21	21	21	22	24	22	23	24	23	23	22	21	21	21	23	23	23	30	22	24	24
KNYR	HY02	99	101	100	79	70	40	20	-1	100	100	100	101	100	101	98	99	99	99	100	100	101	99	100	100
KNYR	HY03	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
KNYR	HY04	99	99	99	99	100	100	100	100	100	100	99	99	99	99	99	99	99	99	99	99	99	99	99	99
LPIA	HY01	20	20	21	20	20	20	20	21	22	24	26	24	26	26	19	21	22	24	26	23	24	25	24	22
MNOR	HY01	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4
PGAU	HY01	-1	-1	-1	-1	-1	-1	111	-1	-1	-1	-1	129	128	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	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
PGAU	HY03	-1	-1	80	-1	-1	-1	-1	-1	-1	-1	-1	114	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	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
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	28	-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	31	37	34	33	34	33	34	42	36	37	38	41	37	42	32	32	31	31	35	80	79	78	78	78
UPIA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Total Hydro		475	457	534	428	420	390	482	341	432	436	439	446	567	689	419	419	412	415	440	721	857	904	932	
PCUF	CUPG	47	45	46	47	47	45	45	46	45	46	46	46	46	46	46	45	47	46	46	45	47	46	46	46
PCUF	CUFK	39	39	38	38	38	39	40	38	40	39	40	39	39	39	39	39	40	38	38	38	39	39	39	38
Total Co-Gen		86	84	84	85	85	84	85	83	86	85	85	83	86	85	86	86	85	84	86	85	86	83	84	
Total Gen		13440	13182	12787	12677	12360	12187	12107	11953	12062	11815	11661	11679	11834	11986	12001	12045	12444	13445	13945	14639	14984	15262	15513	
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		30	30	30	30	30	29	29	29	29	29	30	30	30	30	30	31	31	31	31	30	30	31	31	30
TIE-PLTG		1	-31	28	40	22	48	-22	48	35	-49	-37	8	-29	-114	37	49	127	9	28	-21	21	-3	0	
Interconnection		31	-1	58	70	52	78	7	77	64	-20	-8	37	1	-84	67	79	157	39	59	10	52	28		
System Total		13489	13183	12729	12607	12308	12109	12100	11876	11998	11835	11669	11642	11833	12070	11934	11966	12287	13406	13886	14629	14932	15234	15483	
SRev ST-Coal		214	211	213	253	221	213	218	240	225	207	218	217	211	214	215	212	218	213	217	215	224	218	214	
SRev ST-Gas		13	15	3	3	3	4	4	3	4	4	2	3	4	3	3	3	3	3	3	3	3	3	3	3
SRev CCGT-Gas		220	345	285	345	687	837	1011	992	994	1261	1409	1399	1368	1349	824	670	878	394	262	116	259	166	94	
SRev OCGT-Gas		30	0	0	0	0	0	0	0	0	0	0	0	0	127	196	242	248	89	355	310	141	214	334	
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
Syncon		539	625	474	625	625	625	474	731	625	625	625	474	323	625	625	625	625	625	474	474	388	302	302	
Hydro		161	93	167	122	130	160	219	103	118	114	111	104	134	163	109	109	116	113	239	193	155	194	191	
S.Reserve Total		1177	1289	1142	1348	1666	1839	1926	2069	1966	2211	2365	2348	2191	2052	1777	1754	2041	1593	1438	1089	1375	1187	949	