

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	2,716 MW
Hydro	1,733 MW
Distillate	710 MW
Total TNB	7,369 MW
Total IPP	10,151 MW
Total Co-Gen	86 MW
System Total	17,606 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 15:00	
TNB Generation	6,190 MW
IPP Generation	9,231 MW
Total Set On Bus	16,531 MW
Maximum Demand	15,517 MW
Spinning Reserve	1,024 MW
Net Energy	321,351 MWH
Load Factor	86.3 %

Maximum Demand Record

Date :	19/03/2013	16,133.0 MW
Date :	20/03/2013	333,019.0 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	12591	11903	11526	11154	11078	11101	11080	11229	11622	13508	14336	15031	15015	14598	15318	15517	15238	14859	13817	13938	14626	14477	13825	13456

Gas Usage

Station	(mmscfd)
CBPS	56
GLGR	56
PAKA	116
PGPS	25
SRDG	40
TJGS	102
TNB Total	395
KLPP	82
MPSS	55
PDPS	13
PGLA	56
PKLG	15
PLPS	97
PTEK	19
SGRI	188
SKSP	56
YPGS	69
YPKA	70
IPP Total	720
Total Gas	1,115

Total Gas Required : 1,400
Gas Calorific Value : 38,500

Alternate Fuel Usage

Station	(mmscfd)
CBPS	19
KLPP	20
PDPS	35
PGPS	30
PKLG	131
PTEK	14
SGRI	19
SRDG	16
Total	285

Generation Mix

Type	MWh	Percentage
ST-Coal	49,646.00	15.45 %
ST-Oil	1,294.00	0.40 %
Gas	48,181.00	14.99 %
Hydro	17,070.00	5.31 %
Distillate	5,531.00	1.72 %
Total TNB	121,722.0	37.88 %
ST-Coal	84,083.0	26.17 %
ST-Oil	12,903.0	4.02 %
Gas	91,823.0	28.57 %
Distillate	9,401.0	2.93 %
Total IPP	198,210.0	61.68 %
Co-Gen	2,178.0	0.68 %
Total Co-Gen	2,178.0	0.68 %
Total Generation	322,110.0	100.24 %
PLTG	47.0	0.01 %
HVDC	712.0	0.22 %
Interconnection	759.0	0.24 %
Net Energy	321,351.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	309
Hydro	188
Syncon	367
Thermal	11
Total	875

Weather Temperature

Weather	Temperature
Morning	Sunny 28
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	
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	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	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	-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	0
TMGR	HY03	-1	-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	HY04	33	30	31	36	33	30	26	33	32	25	30	36	30	56	25	29	40	45	43	35	35	40	40	80	34
LPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		483	479	482	505	484	479	386	430	476	491	465	518	475	501	369	339	370	541	707	737	740	882	1006	1133	880
CBPS	GT03	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
CBPS	GT04	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
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
CBPS	GT06	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
KLPP	GT14	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
KLPP	GT15	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
PDPS	GT01	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
PDPS	GT02	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
PDPS	GT03	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
PDPS	GT04	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
PGPS	GT3A	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
PTEK	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
SGRI	GT11	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
SGRI	GT22	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
SRDG	GT04	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
PCUF	CUFG	44	44	44	43	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
PCUF	CUFK	39	41	39	40	39	40	41	39	40	39	39	39	40	40	40	40	41	39	40	39	39	41	40	40	40
Total Co-Gen		83	85	83	83	83	85	83	84	82	83	83	83	85	84	83	83	84	84	83	85	83	84	86	83	83
Total Gen		12615	12096	11933	11838	11612	11492	11145	11125	11125	11133	11119	11091	11173	11522	11340	11302	11587	12832	13439	14034	14390	14735	14933	15344	15086
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
TIE-HVDC		31	30	30	30	30	31	31	30	30	30	30	30	31	31	31	30	30	30	30	30	30	30	31	31	30
TIE-PLTG		-7	-40	0	39	56	91	-40	-59	17	15	-12	-96	63	37	80	55	-66	-105	-99	61	23	-48	-128	28	
Interconnection		24	-10	30	69	86	122	-9	-29	47	45	18	-66	93	68	111	86	-35	-75	-69	92	54	-18	-98	59	
System Total		12591	12106	11903	11769	11526	11370	11154	11154	11078	11088	11101	11157	11080	11454	11229	11216	11622	12907	13508	13942	14336	14753	15031	15285	15015
SRev ST-Coal		-6	11	-8	-45	1	8	-2	0	-1	5	7	8	12	4	10	1	1	-11	-15	6	2	-7	3	19	
SRev ST-Oil		18	17	19	18	34	17	11	12	10	10	10	10	9	10	11	11	9	6	6	5	4	5	5	5	6
SRev CCGT-Gas		679	1050	1151	1307	1531	1656	1930	1989	2039	2038	2025	2105	1977	1663	1705	1721	1769	839	240	157	189	187	276	235	
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
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
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
Syncon		625	625	625	625	625	474	625	625	625	474	625	625	625	625	625	625	625	625	474	474	474	474	302	302	
Hydro		111	115	112	89	110	266	208	164	118	254	129	76	119	93	225	255	224	53	63	208	205	213	305	178	
S.Reserve Total		1427	1818	1899	1994	2301	2421	2772	2790	2791	2781	2796	2824	2742	2395	2576	2613	2628	1549	839	884	930	973	907	724	