

Availability At Daily Maximum Demand Hour

ST-Coal	2,070	MW
ST-Gas	0	MW
ST-Oil	140	MW
Gas	3,815	MW
Hydro	1,858	MW
Distillate	0	MW
Total TNB	7,883	MW
Total IPP	10,779	MW
Total Co-Gen	35	MW
System Total	18,697	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30

TNB Generation	6,075	MW
IPP Generation	9,800	MW
Total Set On Bus	17,142	MW
Maximum Demand	15,993	MW
Spinning Reserve	1,232	MW
Net Energy	324,004	MWH
Load Factor	84.4	%

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	12381	11901	11427	11043	10691	10769	10942	11024	11514	13622	14546	15355	15311	15082	15598	15868	15938	15501	14224	13901	14777	14604	14127	13830

Gas Usage

Station	(mmscfd)
CBPS	58
GLGR	57
PAKA	114
PGPS	44
SRDG	46
TJGS	58
TNB Total	376
KLPP	108
MPSS	56
PDPS	10
PGLA	109
PKLG	16
PLPS	101
PTEK	7
SGRI	200
SKSP	25
YPGS	34
YPKA	96
IPP Total	762
Total Gas	1,138

Total Gas Required : 1,341
Gas Calorific Value : 38,500

Alternate Fuel Usage

Station	(mmscfd)
PDPS	28
PGPS	14
PKLG	113
PTEK	16
SRDG	32
Total	203

Generation Mix

Type	MWh	Percentage
ST-Coal	49,673.00	15.33 %
ST-Oil	1,340.00	0.41 %
Gas	43,825.00	13.53 %
Hydro	16,290.00	5.03 %
Distillate	2,696.00	0.83 %
Total TNB	113,824.0	35.13 %
ST-Coal	94,827.0	29.27 %
ST-Oil	11,282.0	3.48 %
Gas	98,026.0	30.25 %
Distillate	3,848.0	1.19 %
Total IPP	207,983.0	64.19 %
Co-Gen	1,176.0	0.36 %
Total Co-Gen	1,176.0	0.36 %
Total Generation	322,983.0	99.68 %
PLTG	-322.0	-0.10 %
HVDC	-699.0	-0.22 %
Interconnection	-1,021.0	-0.32 %
Net Energy	324,004.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	356
Hydro	160
Syncon	385
Thermal	34
Total	936

Weather Temperature

Weather	Temperature
Morning	Sunny 24
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
PKLG	U003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PKLG	U004	268	267	267	266	266	264	264	265	269	270	270	269	269	269	267	268	266	263	264	267	267	266	266	267
PKLG	U005	468	463	463	463	465	462	465	464	463	465	461	465	465	462	464	464	462	465	461	467	464	462	465	467
PKLG	U006	465	468	468	466	469	472	469	469	469	468	468	468	468	467	468	468	467	468	467	467	467	467	467	467
JMIG	U001	687	690	689	691	689	692	692	691	687	692	689	683	693	692	686	691	690	691	693	687	689	691	692	691
JMIG	U002	692	689	690	688	692	690	688	689	691	689	693	689	690	690	690	694	690	695	690	692	692	688	687	691
JMIG	U003	689	690	688	690	691	689	691	690	691	689	686	689	690	691	689	688	691	688	689	691	689	692	691	689
TBIN	U002	699	694	697	698	695	698	700	703	694	699	703	696	699	696	697	697	696	694	699	697	699	699	694	700
TBIN	U003	695	695	693	697	698	696	696	697	697	697	696	696	697	697	697	698	694	697	696	698	695	695	695	697
JMAH	U001	700	702	700	706	702	702	703	703	703	600	605	701	703	701	699	699	701	700	706	701	701	701	706	700
JMAH	U002	705	700	701	700	703	703	703	701	700	699	699	700	705	702	702	704	706	705	704	703	703	703	705	705
Total ST-Coal		6068	6058	6056	6065	6070	6068	6070	6072	6064	5968	5968	6063	6075	6065	6055	6077	6060	6060	6077	6058	5998	5883	5812	5848
PGPS	U002	70	70	70	70	70	69	69	69	69	70	68	70	70	70	70	70	70	70	70	70	70	70	70	70
PKLG	U001	275	275	275	275	219	206	145	145	145	145	145	145	145	157	248	276	275	275	275	275	275	275	275	275
PKLG	U002	269	270	270	269	222	195	142	142	142	142	142	142	142	150	218	272	270	271	271	271	271	271	271	271
Total ST-Oil		614	615	615	614	511	470	356	356	356	357	355	357	357	356	357	377	536	618	615	616	616	617	617	615
CBPS	GT1A	99	99	99	99	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
CBPS	GT1B	99	99	99	100	89	89	89	90	89	90	89	90	89	90	100	100	100	100	100	100	100	100	100	100
CBPS	ST1C	92	92	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	100	100	100	100	100	100
GLGR	GT01	88	63	73	63	64	62	61	72	64	63	68	65	83	97	98	81	62	68	86	97	93	97	96	96
GLGR	GT02	100	72	83	72	74	73	73	80	74	73	79	73	93	110	110	91	72	79	97	109	104	108	106	106
GLGR	ST1C	89	78	76	73	72	72	72	74	75	71	77	73	80	96	97	87	73	72	83	98	94	97	97	96
KLPP	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
KLPP	GT12	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	GT13	144	143	116	116	65	66	66	67	66	67	67	67	65	65	67	68	96	110	144	143	144	143	142	147
KLPP	GT14	137	137	107	108	64	65	65	64	63	65	64	64	64	65	65	63	64	100	136	137	137	136	140	140
KLPP	GT15	150	151	115	116	77	68	68	68	68	68	68	68	68	68	111	147	148	147	151	151	151	151	154	156
KLPP	ST17	203	203	191	191	146	150	127	126	127	127	126	127	127	130	130	130	183	207	207	203	228	224	219	224
MPSS	GT01	107	107	107	108	88	65	65	66	66	67	66	66	66	66	90	107	106	105	104	101	102	101	99	100
MPSS	GT02	110	110	110	110	88	62	67	65	65	66	67	66	64	65	90	110	109	108	108	107	107	106	106	106
MPSS	ST01	106	106	107	107	89	56	53	52	52	52	52	52	52	52	73	105	105	105	104	104	104	104	104	104
PAKA	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	60	60	60	61	77	80	80	79	79
PAKA	GT1B	83	85	85	85	85	85	84	85	84	85	86	85	85	85	85	84	85	85	85	85	84	83	83	83
PAKA	ST1C	32	33	32	32	32	32	32	33	32	32	32	32	32	32	33	32	32	32	32	32	32	32	32	32
PAKA	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PAKA	ST2C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PAKA	GT3A	89	91	60	62	62	61	62	61	62	62	62	61	61	61	91	90	89	89	89	89	88	88	88	88
PAKA	GT3B	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79
PAKA	ST3C	91	91	76	73	74	74	73	73	73	73	73	73	73	73	74	74	90	91	91	91	91	91	91	91
PAKA	GT4A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PAKA	GT4B	60	60	60	60	60	60	60	60	84	85	85	85	85	85	85	85	85	85	84	84	83	83	83	83
PAKA	ST4C	0	0	0	0	0	6	8	28	38	38	39	42	0	0	0	0	0	0	0	0	0	0	0	0
PGLA	GT11	220	165	180	166	171	163	161	171	167	163	177	167	212	231	232	181	162	176	217	230	223	233	232	230
PGLA	GT12	220	167	181	165	171	164	162	172	168	163	180	166	212	232	233	183	162	176	218	231	225	231	231	231
PGLA	ST10	228	198	206	197	200	197	195	203	201	196	201	199	225	242	242	216	196	200	222	247	236	248	247	248
PGPS	GT3A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	85	85	98	98	97	97	97	97	97
PGPS	ST3B	83	83	84	84	84	83	82	83	83	83	83	83	83	83	83	83	83	83	83	95	95	94	94	94
PGPS	ST3C	37	37	37	37	37	36	37	37	37	37	37	37	37	37	36	36	37	62	92	93	92	92	93	93
SGRI	GT11	132	120	119	109	108	109	110	58	58	58	58	58	58	58	58	58	58	58	82	107	138	142	137	141

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	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	23	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY01	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	49	50	50	50	50	50	50	50	50
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	50	50	50	50	50	30	0	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	25	25	16	16	16	16
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	25	25	16	16	16	16
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	25	16	16	16	16
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	25	16	16	16	16
TMGR	HY01	30	29	36	26	36	27	25	36	31	26	36	33	31	37	37	25	27	33	33	37	31	44	39	42
TMGR	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
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
TMGR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44	40	42	37	0	0	42	75	78
UPIA	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
Total Hydro		454	451	449	473	474	453	434	387	345	314	369	385	366	437	379	382	498	514	539	524	676	924	949	1021
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
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
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
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
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	103	103	103	103	104	103	86	0
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	100	103	103	103	104	104	104	104
SRDG	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	103	103	103	105	104	104	104
SRDG	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
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	119	119	119	120	121	120
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	131	127	126	127	127
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	106	104	104	102	102	271	385	512	632
PCUF	CUFG	1	1	2	2	2	4	2	2	9	11	10	11	10	10	11	10	10	10	11	10	10	11	10	25
PCUF	CUFK	32	34	32	32	33	33	34	33	33	34	33	33	31	30	29	26	25	25	26	26	24	26	24	25
Total Co-Gen		33	35	34	34	35	37	36	35	42	44	44	42	42	43	44	41	40	40	36	35	36	35	35	37
Total Gen		12421	11976	11820	11780	11372	11379	11060	10760	10697	10564	10674	10719	10894	11062	10972	10847	11532	12633	13554	14180	14560	14934	15279	15390
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	-28	-28	-29	-29	-28	-28	-29	-29	-28	-28	-29	-29	-29	-30	-28	-30	-29	-29	-31	-30	-30	-28
TIE-PLTG		70	26	-53	1	-26	23	45	-68	35	28	-66	-34	-20	-63	-23	-27	47	-70	-39	-7	44	-34	-48	
Interconnection		40	-4	-81	-27	-55	-6	17	-96	6	-1	-95	-63	-48	-91	-52	-56	18	-99	-68	-36	14	-64	-76	
System Total		12381	11980	11901	11807	11427	11385	11043	10856	10691	10565	10769	10782	10942	11153	11024	10903	11514	12732	13622	14216	14546	14998	15355	15497
SRev ST-Coal		22	32	34	25	20	22	20	18	26	122	122	27	15	25	35	13	30	30	13	32	92	47	63	52
SRev ST-Oil		6	5	5	6	55	56	56	56	55	57	55	55	56	55	55	50	2	5	4	4	3	3	5	4
SRev CCGT-Gas		468	763	844	916	1318	1249	1786	2040	2060	2069	2012	2050	1806	1698	1722	1818	2020	1138	393	299	369	268	280	293
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	129	81	93	33	14	40	189	42	15
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
SRev Co-Gen		-1	-1	-2	-2	-2	-4	-2	-2	0	0	0	0	0	0	0	0	0	0	4	6	6	8	8	55
Syncon		625	625	625	625	625	474	625	736	736	736	736	585	736	585	736	625	625	625	474	474	474	474	474	474
Hydro		114	117	68	44	153	325	193	129	171	202	147	312	150	230	137	245	129	113	240	104	55	165	289	217
S.Reserve Total		1234	1541	1574	1614	2169	2172	2728	2977	3049	3184	3074	3029	2762	2594	2685	2756	2854	1908	1125	1193	1226	1050	1146	1061