

Availability At Daily Maximum Demand Hour

ST-Coal	1,990 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,452 MW
Hydro	1,904 MW
Distillate	0 MW
Total TNB	8,346 MW
Total IPP	11,374 MW
Total Co-Gen	78 MW
System Total	20,362 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 00:00 21:00	
TNB Generation	4,069 MW
IPP Generation	7,127 MW
Total Set On Bus	12,605 MW
Maximum Demand	11,291 MW 11,200 MW
Spinning Reserve	1,331 MW
Net Energy	234,859 MWH
Load Factor	86.7 %
Total Cost	28,492,346 RM
Cost per Unit	12.58 cents/kWH

Maximum Demand Record

Date :	11/06/2014	16,901.0 MW
Date :	24/06/2014	355,911.0 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	11291	10793	10389	9908	9490	9337	9342	9231	8713	8609	8887	9084	9101	9130	9344	9460	9574	9597	9577	9739	11132	11199	11091	11048

Gas Usage

Station	(mmscfd)
CBPS	2
GLGR	65
SRDG	6
TJGS	211
TNB Total	283
KLPP	61
PDPS	2
PGLA	73
PLPS	42
PTEK	2
SGRI	80
SKSP	52
YPGS	24
YPKA	50
IPP Total	385
Total Gas	668
Total Gas Required :	668
Gas Calorific Value :	38,500

Generation Mix

Type	MWh	Percentage
ST-Coal	44,639.00	19.01 %
Gas	39,421.00	16.78 %
Hydro	9,056.00	3.86 %
Total TNB	93,116.0	39.65 %
ST-Coal	90,615.0	38.58 %
Gas	50,076.0	21.32 %
Total IPP	140,691.0	59.90 %
Co-Gen	1,806.0	0.77 %
Total Co-Gen	1,806.0	0.77 %
Total Generation	235,613.0	100.32 %
PLTG	111.0	0.05 %
HVDC	640.0	0.27 %
Interconnection	751.0	0.32 %
Net Energy	234,862.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	299
Hydro	193
Syncon	518
Thermal	436
Total	1446

	Weather	Temperature
Morning	Sunny	27
Afternoon	Cloudy	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																									
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	10	10	10	10	10	10	10	9	10	10	10	9	10	10	9																		
CEND	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	10	10	10	10	10	10	10	10	9	10	10	10	10	9	10	10																	
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9																	
KNRG	HY01	24	25	25	25	25	27	24	23	23	23	23	24	21	21	18	20	21	23	24	24	37	37	37	38	38	38	37	37	37	37	36	37	37	36	36	36	36	35											
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	0	0	0	0	0	0	0	0	0	0	0	0	0												
KNYR	HY01	0	0	0	0	0	0	95	95	95	95	95	95	95	91	85	84	84	91	95	95	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
KNYR	HY02	-1	-1	-1	-1	-1	99	98	98	98	98	98	98	98	98	98	98	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1												
KNYR	HY03	61	64	64	63	63	75	97	96	96	96	96	96	96	93	87	86	86	93	96	96	62	62	62	62	62	62	59	59	59	57	57	60	60	61	60	60	60	98	63	60	62	60							
KNYR	HY04	0	0	0	0	0	0	97	96	96	96	96	96	96	96	95	94	94	96	96	96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
LPIA	HY01	10	10	10	10	10	11	9	9	9	9	9	9	9	8	8	8	9	10	10	10	10	10	10	10	10	9	10	9	9	9	9	10	10	10	10	10	10	10	10	10									
LPIA	HY02	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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5									
MNOR	HY01	5	5	5	5	5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2									
PGAU	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	-1	-1	-1	-1	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1									
PGAU	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1									
PGAU	HY04	-1	29	-1	-1	-1	19	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1									
SIHY	HY01	50	50	50	50	49	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									
SIHY	HY02	50	50	50	50	50	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									
SIHY	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
SYPS	HY01	25	25	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									
SYPS	HY02	25	25	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									
SYPS	HY03	25	25	25	25	25	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									
SYPS	HY04	25	25	25	25	25	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									
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1									
TMGR	HY02	31	34	34	33	34	44	33	32	31	33	31	31	30	31	33	33	35	34	37	36	37	35	35	35	36	37	31	34	31	33	29	32	35	36	32	29	31	33	84	33	31	32	30						
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	-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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4								
UPIA	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	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
Total Hydro		375	412	332	330	330	206	426	496	494	496	494	491	514	484	460	468	489	520	499	511	192	191	213	211	212	190	190	191	182	185	182	184	177	181	210	189	405	455	437	476	1054	487	482	486	480				
PCUF	CUFG	44	44	44	44	45	44	44	44	45	46	45	46	44	45	43	42	42	41	40	40	42	40	41	40	40	40	40	41	40	40	41	42	40	42	41	42	41	42	41	42	42	42	42						
PCUF	CUFK	34	35	36	34	32	32	33	33	35	35	35	36	34	35	35	37	35	34	31	30	29	29	28	27	25	26	24	27	27	29	28	28	29	31	37	36	37	35	35	37	36	37	36	38	36	38			
Total Co-Gen		78	79	80	78	77	76	77	77	79	80	82	78	79	80	81	81	80	77	73	72	70	69	68	69	65	67	64	67	67	69	69	68	69	72	79	76	79	76	77	78	78	79	77	80	78	80			
Total Gen		11274	11071	10772	10604	10399	9945	9948	9744	9457	9398	9352	9311	9382	9369	9313	8911	8851	8719	8687	8734	8922	9056	9108	9169	9149	9159	9179	9289	9368	9453	9475	9589	9571	9634	9621	9696	9648	9614	9754	10475	11149	11182	11220	11189	11146	11110	11099	11011	
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	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	-29	31	31	31	31	31	30	30	31	31	30	30	31	31	31	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	30	30	30	31	31	30	31	31	31	31	31			
TIE-PLTG		13	32	8	-38	-21	-103	9	-22	-63	-9	-16	-17	10	-8	53	37	108	63	47	10	5	-4	-7	15	16	7	18	10	-6	-4	-16	48	-34	1	-7	84	25	-14	-16	-31	-14	-37	-11	9	23	8	19	42	
Interconnection		-17	2	-21	-7	10	-72	40	9	-33	21	15	14	40	22	82	66	138	93	78	41	35	26	24	46	47	38	48	40	24	26	14	78	-4	31	23	114	56	17	14	-1	16	-6	20	39	54	39	50	73	
System Total		11291	11069	10793	10611	10389	10017	9908	9735	9490	9377	9337	9297	9342	9347	9231	8845	8713	8626	8609	8693	8887	9030	9084	9123	9102	9121	9131	9249	9344	9427	9461	9511	9575	9603	9598	9582	9592	9597	9740	10476	11133	11188	11200	11150	11092	11071	11049	10938	
SRev ST-Coal		23	35	40	41	49	122	40	172	300	378	390	505	594	602	610	617	626	640	635	633	635	638	639	636	652	665	665	665	595	599	593	521	491	486	487	495	485	605	594	488	71	38	49	45	49	77	98	40	
SRev ST-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	0	0	0	0	0	0
SRev CCGT-Gas		421	287	502	431	487	456	455	597	676	440	471	631	367	369	439	725	761	758	700	637	473	323	278	275	284	317	280																						

Daily MW Generation On Monday

28-Jul-2014

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																								
Hydro		156	270	149	151	151	125	257	136	138	136	138	138	138	141	269	148	172	164	166	145	263	133	121	140	141	270	272	271	141	142	141	150	147	150	148	155	151	273	143	177	278	145	146	297	135	140	136	142
S.Reserve Total		1331	1172	1422	1354	1418	1434	1231	1535	1744	1584	1629	1904	1729	1742	1797	2120	2189	2192	2131	2043	1850	1724	1668	1694	1720	1744	1709	1682	1682	1601	1577	1593	1614	1691	1837	1762	2042	2019	1962	1591	975	983	985	827	913	903	873	908