

Availability At Daily Maximum Demand Hour

ST-Coal	2,070	MW
ST-Gas	0	MW
ST-Oil	140	MW
Gas	3,891	MW
Hydro	1,833	MW
Distillate	0	MW
Total TNB	7,934	MW
Total IPP	10,683	MW
Total Co-Gen	80	MW
System Total	18,697	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30

TNB Generation	5,938	MW
IPP Generation	8,554	MW
Total Set On Bus	15,588	MW
Maximum Demand	14,643	MW
Spinning Reserve	1,016	MW
Net Energy	297,616	MWH
Load Factor	84.7	%

Maximum Demand Record

Date :	20/06/2012	15,826.0 MW
Date :	20/06/2012	328,716.0 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	11038	10498	10068	9806	9565	9452	9587	9931	10793	12649	13708	14352	14304	14003	14433	14612	14626	14216	13384	13586	13636	13324	12884	12392

Gas Usage

Station	(mmscfd)
CBPS	45
GLGR	58
PAKA	99
PGPS	27
SRDG	16
TJGS	210
TNB Total	454
KLPP	97
MPSS	54
PGLA	93
PLPS	96
SGB3	67
SGRI	27
SKSP	48
YPGS	54
YPKA	117
IPP Total	654
Total Gas	1,108
Total Gas Required :	1,108
Gas Calorific Value :	38.500

Generation Mix

Type	MWh	Percentage
ST-Coal	48,873.00	16.42 %
Gas	58,739.00	19.74 %
Hydro	9,908.00	3.33 %
Total TNB	117,520.0	39.49 %
ST-Coal	93,927.0	31.56 %
Gas	84,857.0	28.51 %
Total IPP	178,784.0	60.07 %
Co-Gen	2,116.0	0.71 %
Total Co-Gen	2,116.0	0.71 %
Total Generation	298,420.0	100.27 %
PLTG	168.0	0.06 %
HVDC	636.0	0.21 %
Interconnection	804.0	0.27 %
Net Energy	297,616.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	280
Hydro	204
Syncon	545
Thermal	-1
Total	1027

Weather Temperature

Weather	Temperature
Morning	Sunny 27
Afternoon	Hot 32



**TENAGA
NASIONAL
BERHAD**

Daily MW Generation On Monday

03-Dec-2012

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																											
Total Co-Gen	87	86	84	85	87	88	85	84	87	85	88	85	86	87	87	85	83	82	83	81	79	78	78	76	76	75	80	79	76	75	76	73	76	73	76	75	80	79	82	81	81	83									
Total Gen	10934	10794	10396	10650	10662	10057	9957	9729	9550	9591	9545	9544	9625	9816	9969	10226	10863	12124	12749	13270	13685	13992	14513	14339	14131	14149	14125	14364	14572	14653	14594	14610	14880	14422	13890	13652	13256	13601	13676	13755	13563	13398	13160	12963	12752	12472	12073				
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	0				
TIE-HVDC	-30	-29	-29	31	31	30	30	30	30	31	31	29	29	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30			
TIE-PLTG	-74	107	-73	39	-37	-1	120	1	-45	28	62	-23	8	-35	8	-55	39	67	71	-53	-53	-58	-19	-52	5	14	116	-85	-99	-101	11	-21	-47	23	177	69	238	-36	-15	161	88	12	44	-1	49	-31	49	-23			
Interconnection	-104	78	-102	70	-6	30	151	31	-15	59	93	7	38	-5	38	-24	70	96	100	-23	-23	-28	11	-22	35	44	146	-55	-69	-71	41	10	-16	54	206	99	268	-6	15	192	119	42	74	29	79	0	80	7			
System Total	11038	10716	10498	10280	10068	10027	9806	9698	9565	9532	9452	9537	9587	9821	9931	10250	10793	12028	12649	13293	13708	14020	14352	14638	14304	14087	14003	14180	14433	14643	14612	14584	14626	14536	14216	13791	13384	13262	13886	13684	13636	13521	13324	13131	12884	12752	12392	12066			
SRev-ST-Coal	5	15	32	42	177	161	299	335	417	420	401	450	459	507	5	4	4	-2	-3	6	-13	-1	-2	2	-1	1	0	4	-8	1	7	-3	-1	5	-8	-1	0	-4	10	2	-12	4	-3	1	-7	2	10				
SRev-ST-Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	689	459	841	857	961	975	960	1287	1394	1576	1651	1623	1748	1607	1513	1651	1698	1203	757	574	290	346	307	216	363	259	240	84	87	152	268	303	226	234	314	406	523	721	430	356	385	250	378	203	326	524	581	294			
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	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	0	0	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	726	575	726	726	726	575	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726		
Hydro	145	295	143	161	160	170	298	162	111	111	126	104	121	230	103	103	117	131	118	99	279	170	208	189	249	305	302	293	239	291	270	337	340	246	321	103	109	102	92	178	228	211	296	146	250	119	123	93			
S.Reserve Total	1565	1344	1742	1786	2024	2030	2132	2510	2648	2833	2904	2903	3045	2851	2649	2483	2537	2064	1599	1396	1150	1229	1091	979	1232	1415	1395	1144	1099	1016	1159	1325	1124	1050	1210	1222	1362	1543	1244	1170	1294	1175	1245	1072	1152	1362	1432	1123			