

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,320 MW
Distillate	0 MW
Total TNB	2,320 MW
Total IPP	16,094 MW
Total Co-Gen	0 MW
Total System	21,262 MW

Generation Mix

Type	MWh	Percentage
Hydro	15,523	4.83 %
Gas	35,032	10.90 %
Total TNB	50,555	15.73 %
ST-Coal	186,443	58.01 %
LSS	2,949	0.92 %
Gas	82,086	25.54 %
Total IPP	271,478	84.47 %
Co-Gen	156	0.05 %
Total Co-Gen	156	0.05 %
Total Generation	322,189	100.24 %
PLTG	61	0.02 %
HVDC	721	0.22 %
Interconnection	782	0.24 %
Net Energy	321,407	100.00 %

Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	16,179 MW
TNB Generation	2,548 MW
IPP Generation	12,445 MW
Spinning Reserve	1,181 MW
Maximum Demand	14,971 MW
Net Energy	321,407 MWH
Load Factor	89.45 %

Fuel Cost

Total Cost:	50,224,274.45 RM
Cost per Unit	15.58 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	184
Hydro	225
Syncon	729
Thermal	568
Total	1,706

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	28
TJGS	97
Total TNB	125
CBPS	46
KLPP	2
NPRI	156
PGLA	51
PLPS	35
Total IPP	291
Total Gas	416
Total Gas Required	416

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Hourly System MW Generation

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
System Total	14318	13778	13333	12835	12437	12147	12104	11919	11597	12419	12865	13238	13312	13310	13763	13915	13943	13790	13368	13590	14971	14889	14695	14552

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, September 2, 2021 9:00:26 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Saturday

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																										
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												
TIE-HVDC		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	29	31	32	29	30	29	29	29	30	31	30	31	30																
TIE-PLTG		18	9	10	-13	-9	15	-7	-5	-13	-12	-39	-7	75	25	-5	23	11	14	-33	-25	24	-11	-18	12	13	-10	35	4	-15	-9	10	7	36	45	-21	2	25	-6	60	7	2	49	8	-30	-24	-28	-38	-32		
Interconnection		48	39	40	17	21	45	23	25	17	18	-9	23	105	55	25	54	41	44	-3	5	54	19	12	42	43	20	65	34	15	21	40	37	66	75	9	32	54	23	92	39	31	79	37	0	5	2	-7	-2		
System Total		14318	13963	13778	13545	13333	13031	12835	12657	12437	12386	12147	12058	12104	12113	11919	11615	11597	12099	12419	12685	12865	13084	13238	13343	13312	13299	13310	13684	13763	13926	13915	13959	13943	13928	13790	13535	13368	13375	13590	14604	14971	14919	14889	14751	14695	14721	14552	14374		
SRev ST-Coal		269	352	360	400	395	550	683	769	767	775	778	787	778	773	770	816	818	753	733	740	732	734	742	682	727	737	694	610	609	562	575	560	522	507	678	679	678	677	562	306	194	203	212	395	398	403	646	653		
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		
SRev CCGT-Gas		984	1062	965	1104	1186	1079	1051	1060	1069	1058	1061	1061	625	636	629	683	647	684	633	303	187	191	149	140	151	111	195	190	164	135	128	128	127	153	122	119	162	160	237	129	131	157	171	155	139	151	128	131		
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 LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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
Syncon		738	738	826	826	826	675	826	826	826	826	826	826	552	401	826	927	927	738	738	825	674	825	825	825	825	825	825	825	825	825	825	825	674	825	825	738	825	825	674	451	277	277	551	675	826	826	639	639		
Hydro		168	363	332	222	231	367	97	83	165	56	94	39	145	347	156	183	178	150	57	165	290	174	78	170	174	65	157	182	179	149	63	227	77	157	193	63	159	137	376	315	578	643	516	334	239	252	266	305		
S.Reserve Total		2159	2515	2483	2552	2638	2671	2657	2738	2827	2715	2759	2713	2100	2157	2381	2609	2570	2325	2161	2033	1883	1924	1794	1817	1877	1738	1871	1807	1777	1671	1591	1589	1551	1642	1731	1686	1824	1799	1849	1201	1180	1280	1450	1559	1602	1632	1679	1728		