

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,289 MW
Distillate	0 MW
Total TNB	2,289 MW
Total IPP	16,658 MW
Total Co-Gen	0 MW
Total System	21,743 MW

Generation Mix

Type	MWh	Percentage
Hydro	16,583	4.94 %
Gas	41,936	12.48 %
Total TNB	58,519	17.42 %
ST-Coal	210,129	62.54 %
LSS	3,292	0.98 %
Gas	64,709	19.26 %
Total IPP	278,130	82.78 %
Co-Gen	771	0.23 %
Total Co-Gen	771	0.23 %
Total Generation	337,420	100.43 %
PLTG	730	0.22 %
HVDC	718	0.21 %
Interconnection	1,448	0.43 %
Net Energy	335,972	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:	20:30:00 Hour
Total Set On Bus	16,912 MW
TNB Generation	3,451 MW
IPP Generation	12,237 MW
Spinning Reserve	1,141 MW
Maximum Demand	15,710 MW
Net Energy	335,972 MWH
Load Factor	89.11 %

Fuel Cost

Total Cost:	41,004,865.58 RM
Cost per Unit	12.15 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	743
Hydro	282
Syncon	558
Thermal	299
Total	1,882

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Cloudy	27

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	14707	14131	13709	13268	12888	12636	12587	12459	12102	13108	13786	14124	14132	13976	14423	14603	14735	14512	14090	14304	15645	15657	15230	15096

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, March 5, 2021 3:50:04 PM

(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																										
Total Co-Gen		7	8	9	7	9	7	6	9	8	8	9	8	10	8	7	7	8	10	7	8	8	6	8	7	5	7	7	9	8	7	8	11	71	80	80	82	82	82	84	82	80	83	82	82	81	80	82	79		
Total Gen		14800	14310	14145	13979	13745	13483	13338	13137	12944	12783	12699	12594	12608	12566	12551	12311	12156	12701	13126	13514	13812	14042	14166	14304	14228	14121	14041	14334	14435	14668	14650	14737	14795	14719	14582	14352	14194	14142	14341	15226	15751	15771	15707	15547	15297	15185	15109	14907		
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	0	0	0
TIE-HVDC		29	29	30	30	30	30	30	30	30	30	30	30	30	30	30	29	29	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	29	31	31	29	29	30	30			
TIE-PLTG		68	23	-13	86	9	53	43	48	29	72	38	60	-6	-10	65	65	27	5	-8	60	-1	32	15	2	69	70	38	48	-15	-15	21	34	33	17	43	33	77	39	10	12	80	35	23	-10	41	-4	-13	32		
Interconnection		97	53	17	116	39	83	73	78	59	102	67	90	25	20	95	95	57	35	21	89	29	62	45	32	99	100	68	79	15	16	50	63	63	47	73	63	107	69	40	43	109	65	54	21	71	25	17	62		
System Total		14707	14260	14131	13866	13709	13403	13268	13062	12888	12685	12636	12508	12587	12549	12459	12219	12102	12669	13108	13428	13786	13983	14124	14275	14132	14024	13976	14258	14423	14655	14603	14677	14735	14675	14512	14292	14090	14076	14304	15186	15645	15710	15657	15530	15230	15164	15096	14849		
SRev ST-Coal		181	167	186	205	449	417	404	422	415	424	446	458	466	445	451	469	451	462	429	414	404	381	347	355	360	355	350	285	260	270	270	266	264	268	261	284	262	264	199	169	185	201	210	208	185	201	164	177		
SRev CCGT-Gas		878	1046	625	714	609	747	759	854	918	1053	1094	1122	1060	1090	1091	1278	1496	1206	896	580	679	1003	1001	985	1021	1136	1238	987	926	928	888	833	758	773	864	928	1052	1054	923	334	236	190	161	151	267	289	296	527		
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	
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	0
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
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		702	515	702	789	638	789	789	789	789	789	789	789	789	663	638	638	789	789	789	663	476	663	663	663	663	663	663	789	789	602	602	451	602	602	602	789	789	789	638	464	126	126	277	277	615	615	615	615		
Hydro		180	198	138	147	174	87	85	105	101	106	106	104	58	234	231	105	106	56	55	227	300	254	198	197	252	232	230	77	59	179	180	314	225	226	231	102	113	109	292	218	647	628	557	505	338	410	278	245		
S.Reserve Total		1941	1926	1651	1855	1870	2040	2037	2170	2223	2372	2435	2473	2373	2407	2411	2641	2842	2513	2169	1884	1859	2301	2209	2200	2296	2386	2481	2138	2034	1979	1940	1864	1849	1869	1958	2103	2216	2216	2052	1185	1194	1145	1205	1141	1405	1515	1353	1564		