

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,497 MW
Distillate	0 MW
Total TNB	2,497 MW
Total IPP	16,464 MW
Total Co-Gen	0 MW
Total System	21,528 MW

Generation Mix

Type	MWh	Percentage
Hydro	19,741	5.39 %
Gas	49,295	13.46 %
Total TNB	69,036	18.85 %
ST-Coal	234,016	63.91 %
LSS	3,021	0.82 %
Gas	59,836	16.34 %
Total IPP	296,873	81.07 %
Co-Gen	1,298	0.35 %
Total Co-Gen	1,298	0.35 %
Total Generation	367,207	100.28 %
PLTG	1,712	0.47 %
HVDC	-694	-0.19 %
Interconnection	1,018	0.28 %
Net Energy	366,189	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	18,120 MW
TNB Generation	3,623 MW
IPP Generation	13,228 MW
Spinning Reserve	1,213 MW
Maximum Demand	16,836 MW
Net Energy	366,189 MWH
Load Factor	90.63 %

Fuel Cost

Total Cost:	77,631,575.21 RM
Cost per Unit	21.13 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	449
Hydro	332
Syncon	513
Thermal	360
Total	1,654

Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	51
TJGS	180

Total TNB 230

CBPS	49
KLPP	4
NPRI	154
PGLA	51
PLPS	59

Total IPP 318

Total Gas 548

Total Gas Required 548

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	16196	15544	15089	14412	13779	13641	13780	13451	12977	14218	14976	15385	15443	15370	15845	16098	16174	15887	15426	15976	16827	16665	16320	16199

Prepared By: -Select Name-

Checked By: -Select Name-

(Ir. Shanmugam Thoppalan)
Printed on: Wednesday, November 3, 2021 1:12:45 Head
PM Grid System Operator

