

LOAD GENERATION BALANCE REPORT

Maximum Load/Demand till Date

Date	Time	Load(MW)
24-Feb-18	18:34hrs	375.23

Date: June 9, 2018
Hours: 19:00 Hours

Sl. No.	Hydropower Plant	Unit	MW	Name of Feeders		Sign	Remarks
1	THP	Unit- I	0.00	400kV THP - Siliguri Fdr- I	83.89		Unit-I, III & IV Standby.
		Unit- II	157.53	400kV THP - Siliguri Fdr- II	84.24	+	
		Unit- III	0.00	400kV THP - Siliguri Fdr- IV	79.99	+	
		Unit- IV	0.00	400kV THP - Malbase Fdr- III	163.08	+	
		Unit- V	128.81	400kV Malbase - Siliguri	62.00	+	
		Unit- VI	128.97				
		Total	415.31	Error At Station/Auxiliary Consumption/Losses	4.11		
2	CHP	Unit- I	0.00	220kV CHP - Birpara Fdr- I	36.10	+	Unit-I standby
		Unit- II	63.93	220kV CHP - Birpara Fdr- II	36.00	+	
		Unit- III	70.30	220kV CHP - Malbase Fdr- III	77.20	+	
		Unit- IV	69.83	220kV CHP - Semtokha Fdr- IV	33.70	+	
				220kV Malbase - Birpara Fdr.	-2.47	-	
				66kV CHP - Chumdo Fdr.	11.70	+	
				66kV CHP - Gedu Fdr.	7.10	+	
				3x3MVA, 66/11kV TFR	0.99	+	
		Total	204.06	Error At Station/Auxiliary Consumption/Losses	1.27		
3	BHP (U/S)	Unit- I	0.00	220kV BHP - Semtokha Fdr.	-9.00	-	(U/S) Unit-I & (L/S) Unit-I Standby.
		Unit- II	7.50	66kV BHP - Lobeysa Fdr.	8.30	+	
		Total	7.50	220kV BHP - Tsirang Fdr.	21.00	+	
	BHP (L/S)	Unit- I	0.00	5MVA, 66/11kV TFR	0.64	+	
		Unit- II	13.50	30MVA ICT, 220/66kV			
		Total	13.50	Error At Station/Auxiliary Consumption/Losses	0.06		
4	DHPC	Unit-I	20.00	220kV DHPC - Tsirang Fdr.	19.78	+	DHP Unit-II Standby.
		Unit-II	0.00	220kV DHPC - Jigmeling Fdr.			
				5MVA, 220/33kV TFR			
		Total	20.00	Error At Station/Auxiliary Consumption/Losses	0.22		
5	KHP	Unit- I	16.19	132kV KHP - Nangkhor Fdr- I	55.35	+	
		Unit-II	16.21	132kV KHP - Kilikhar Fdr- II	8.65	+	
		Unit- III	16.45	5MVA, 132/11kV TFR	0.60	+	
		Unit- IV	16.39	132kV Gelephu - Salakati Fdr.	4.73	+	
				132kV Motanga - Rangia Fdr.	44.16	+	
				220kV Tsirang - Jigmeling	38.50	+	
		Total	65.24	Error At Station/Auxiliary Consumption/Losses	0.64		

Note: Load summary on June 09, 2018 at 19:00hrs.

Sl. No	Region	Total Generation (MW)	Total Load (Generation - Export, MW)	Total Load (Feeder Summation, MW)	Total Export/Import	Load Balance
1	Western Grid	660.37	242.12	236.46	379.75	5.66
2	Eastern Grid	65.24	54.85	54.21	48.89	0.64
	Total	725.61	296.97	290.67	428.64	6.30

Note: Load Summary on June 09, 2017 at 19:00hrs

Sl. No	Region	19:00Hrs Load (MW)	Day Peak Load (MW)	Month Peak Load (MW)
1	Western Grid	242.87	249.52	286.43
2	Eastern Grid	42.99	50.79	67.48
	National	285.86	300.31	342.69

Notes:-

- The Instantaneous load balance is calculated as (Total generation - (Total export-Import) - Total domestic load) do not tend towards zero. This could be due to the following reasons:
 - Not all the meters are digital and nor are all the meter at all locations can be read at same time (say 9:00hrs) due to many meter to be read manually.
 - The clocks of all the locations are not synchronized
- This report is generated to give an idea of the generation & load flow for the system at a particular instant.

LOAD GENERATION BALANCE REPORT

Maximum Load/Demand till Date

Date	Time	Load(MW)
24-Feb-18	18:34hrs	375.23

Date: June 10, 2018
Hours: 09:00 Hours

Sl. No.	Hydropower Plant	Unit	MW	Name of Feeders	Load (MW)	Sign	Remarks
1	THP	Unit- I	0.00	400kV THP - Siliguri Fdr- I	98.61	+	Unit-I, III & IV Standby.
		Unit- II	157.12	400kV THP - Siliguri Fdr- II	96.23	+	
		Unit- III	0.00	400kV THP - Siliguri Fdr- IV	94.51	+	
		Unit- IV	0.00	400kV THP - Malbase Fdr- III	169.80	+	
		Unit- V	148.38	400kV Malbase - Siliguri	77.28	+	
		Unit- VI	159.32				
		Total	464.82	Error At Station/Auxiliary Consumption/Losses	5.67		
2	CHP	Unit- I	0.00	220kV CHP - Birpara Fdr- I	42.77	+	Unit-I Standby.
		Unit- II	77.95	220kV CHP - Birpara Fdr- II	42.77	+	
		Unit- III	72.98	220kV CHP - Malbase Fdr- III	90.00	+	
		Unit- IV	70.43	220kV CHP - Semtokha Fdr- IV	36.00	+	
				220kV Malbase - Birpara Fdr.	-1.30	+	
				66kV CHP - Chumdo Fdr.	9.52	+	
				66kV CHP - Gedu Fdr.	8.43	+	
				3x3MVA, 66/11kV TFR	0.88	+	
		Total	221.36	Error At Station/Auxiliary Consumption/Losses	-9.01		
3	BHP (U/S)	Unit- I	0.00	220kV BHP - Semtokha Fdr.	-2.00	-	(U/S) Unit-I & (L/S) Unit-I Standby.
		Unit- II	6.09	66kV BHP - Lobeysa Fdr.	8.02	+	
		Total	6.09	220kV BHP - Tsirang Fdr.	9.96	+	
	BHP (L/S)	Unit- I	0.00	5MVA, 66/11kV TFR	0.44	+	
		Unit- II	11.89	30MVA ICT, 220/66kV	0.00		
		Total	11.89	Error At Station/Auxiliary Consumption/Losses	1.56		
4	DHPC	Unit-I	14.99	220kV DHPC - Tsirang Fdr.	14.76	+	DHP Unit-II Standby.
		Unit-II	0.00	220kV DHPC - Jigmeling Fdr.			
				5MVA, 220/33kV TFR	0.00		
		Total	14.99	Error At Station/Auxiliary Consumption/Losses	0.23		
5	KHP	Unit- I	16.58	132kV KHP - Nangkhor Fdr- I	60.90	+	
		Unit-II	16.43	132kV KHP - Kilikhar Fdr- II	3.93	+	
		Unit- III	16.52	5MVA, 132/11kV TFR	0.30	+	
		Unit- IV	16.25	132kV Gelephu - Salakati Fdr.	0.41	+	
				132kV Motanga - Rangia Fdr.	46.50	+	
				220kV Tsirang - Jigmeling	24.25	+	
		Total	65.78	Error At Station/Auxiliary Consumption/Losses	0.65		

Note: Load summary on June 10, 2018 at 09:00hrs.

Sl. No	Region	Total Generation (MW)	Total Load (Generation - Export, MW)	Total Load (Feeder Summation, MW)	Total Export/Import	Load Balance
1	Western Grid	719.15	244.03	245.58	450.87	-1.55
2	Eastern Grid	65.78	43.12	42.47	46.91	0.65
	Total	784.93	287.15	288.05	497.78	-0.90

Note: Load Summary on June 10, 2017 at 09:00hrs

Sl. No	Region	09:00Hrs Load (MW)	Day Peak Load (MW)	Month Peak Load (MW)
1	Western Grid	225.14	246.40	286.43
2	Eastern Grid	33.90	49.60	67.48
	National	259.04	296.00	342.69

Notes:-

1. The Instantaneous load balance is calculated as (Total generation - (Total export-Import) - Total domestic load) do not tend towards zero. This could be due to the following reasons:
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