

LOAD GENERATION BALANCE REPORT

Maximum Load/Demand till Date

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

Date: April 19, 2018
Hours: 19:00 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	0.00		Unit-III under annual maintenance. Unit-IV Standby Unit-I under break down. 400kV THP-SIL fdr I breakdown
		Unit- II	109.54	400kV THP - Siliguri Fdr- II	32.48	+	
		Unit- III	0.00	400kV THP - Siliguri Fdr- IV	29.62	+	
		Unit- IV	0.00	400kV THP - Malbase Fdr- III	144.45	+	
		Unit- V	0.00	400kV Malbase - Siliguri	7.02	+	
		Unit- VI	100.00				
		Total	209.54	Error At Station/Auxiliary Consumption/Losses		2.99	
2	CHP	Unit- I	0.00	220kV CHP - Birpara Fdr- I	-3.37	-	Unit-I & IV under annual maintenance.
		Unit- II	38.72	220kV CHP - Birpara Fdr- II	-4.95	-	
		Unit- III	0.00	220kV CHP - Malbase Fdr- III	24.28	+	
		Unit- IV	69.26	220kV CHP - Semtokha Fdr- IV	71.06	+	
				220kV Malbase - Birpara Fdr.	-26.39	-	
				66kV CHP - Chumdo Fdr.	9.90	+	
				66kV CHP - Gedu Fdr.	9.15	+	
				3x3MVA, 66/11kV TFR	1.00	+	
		Total	107.98	Error At Station/Auxiliary Consumption/Losses		0.91	
3	BHP (U/S)	Unit- I	0.00	220kV BHP - Semtokha Fdr.	-25.74	-	(U/S) Unit I & (L/S) Unit II Standby
		Unit- II	4.36	66kV BHP - Lobeysa Fdr.	10.60	+	
		Total	4.36	220kV BHP - Tsirang Fdr.		27.40	
	BHP (L/S)	Unit- I	9.18	5MVA, 66/11kV TFR	1.40	+	
		Unit- II	0.00	30MVA ICT, 220/66kV	0.00		
		Total	9.18	Error At Station/Auxiliary Consumption/Losses		-0.12	
4	DHPC	Unit-I	0.00	220kV DHPC - Tsirang Fdr.	0.00		DHPC units under shutdown till 26/04/2018
		Unit-II	0.00	220kV DHPC - Jigmeling Fdr.	0.00		
				5MVA, 220/33kV TFR	0.00		
		Total	0.00	Error At Station/Auxiliary Consumption/Losses		0.00	
5	KHP	Unit- I	0.00	132kV KHP - Nangkhor Fdr- I	23.42	+	Unit-I standby & Unit-II shutdown
		Unit-II	0.00	132kV KHP - Kilikhar Fdr- II	8.50	+	
		Unit- III	16.13	5MVA, 132/11kV TFR	0.02	+	
		Unit- IV	16.44	132kV Gelephu - Salakati Fdr.	-14.80	-	
				132kV Motanga - Rangia Fdr.	16.00	+	
				220kV Tsirang - Jigmeling	24.70	+	
		Total	32.57	Error At Station/Auxiliary Consumption/Losses		0.63	

Note: Load summary on April 19, 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	331.06	271.95	268.17	34.41	3.78
2	Eastern Grid	32.57	56.07	55.44	1.20	0.63
	Total	363.63	328.02	323.61	35.61	4.41

Note: Load Summary on April 19, 2017 at 19:00hrs

Sl. No	Region	19:00Hrs Load (MW)	Day Peak Load (MW)	Month Peak Load (MW)
1	Western Grid	270.70	270.70	279.08
2	Eastern Grid	60.54	60.54	63.98
	National	331.24	331.24	338.53

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:
 - i) 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.
 - ii) The clocks of all the locations are not synchronized
2. 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: April 20, 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	0.00		Unit-III under annual maintenance. Unit-IV& V Standby. Unit-I under breakdown. 400kV THP-SIL fdr I breakdown.
		Unit- II	88.33	400kV THP - Siliguri Fdr- II	37.95	+	
		Unit- III	0.00	400kV THP - Siliguri Fdr- IV	34.99	+	
		Unit- IV	0.00	400kV THP - Malbase Fdr- III	112.35	+	
		Unit- V	0.00	400kV Malbase - Siliguri	19.97	+	
		Unit- VI	99.74				
		Total	188.07	Error At Station/Auxiliary Consumption/Losses	2.78		
2	CHP	Unit- I	0.00	220kV CHP - Birpara Fdr- I	-3.01	-	Unit-I & IV under annual maintenance. 220kV CHP-BIR FDR II Under BREAKDOWN
		Unit- II	26.86	220kV CHP - Birpara Fdr- II	-2.97	-	
		Unit- III	0.00	220kV CHP - Malbase Fdr- III	43.07	+	
		Unit- IV	64.56	220kV CHP - Semtokha Fdr- IV	36.28	+	
				220kV Malbase - Birpara Fdr.	-38.09	-	
				66kV CHP - Chumdo Fdr.	5.22	+	
				66kV CHP - Gedu Fdr.	10.29	+	
				3x3MVA, 66/11kV TFR	0.63	+	
		Total	91.42	Error At Station/Auxiliary Consumption/Losses	1.91		
3	BHP (U/S)	Unit- I	0.00	220kV BHP - Semtokha Fdr.	-4.82	-	(U/S) Unit I & (L/S) Unit I Standby
		Unit- II	5.01	66kV BHP - Lobeysa Fdr.	8.13	+	
		Total	5.01	220kV BHP - Tsirang Fdr.	11.42	+	
	BHP (L/S)	Unit- I	0.00	5MVA, 66/11kV TFR	0.21	+	
		Unit- II	9.86	30MVA ICT, 220/66kV			
		Total	9.86	Error At Station/Auxiliary Consumption/Losses	-0.07		
4	DHPC	Unit-I	0.00	220kV DHPC - Tsirang Fdr.	0.00		DHPC units under shutdown till 26/04/2018
		Unit-II	0.00	220kV DHPC - Jigmeling Fdr.	0.00		
				5MVA, 220/33kV TFR	0.00		
		Total	0.00	Error At Station/Auxiliary Consumption/Losses	0.00		
5	KHP	Unit- I	0.00	132kV KHP - Nangkhor Fdr- I	20.94	+	Unit-II shutdown. Unit I Standby
		Unit-II	0.00	132kV KHP - Kilikhar Fdr- II	4.12	+	
		Unit- III	15.16	5MVA, 132/11kV TFR	0.30	+	
		Unit- IV	10.59	132kV Gelephu - Salakati Fdr.	-11.07	-	
				132kV Motanga - Rangia Fdr.	13.50	+	
				220kV Tsirang - Jigmeling	10.10	+	
		Total	25.75	Error At Station/Auxiliary Consumption/Losses	0.39		

Note: Load summary on April 20, 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	294.36	235.42	230.80	48.84	4.62
2	Eastern Grid	25.75	33.42	33.03	2.43	0.39
	Total	320.11	268.84	263.83	51.27	5.01

Note: Load Summary on April 20, 2017 at 09:00hrs

Sl. No	Region	09:00Hrs Load (MW)	Day Peak Load (MW)	Month Peak Load (MW)
1	Western Grid	239.55	259.22	270.70
2	Eastern Grid	49.55	56.46	60.54
	National	289.10	315.68	338.53

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:
 - i) 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.
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