

LOAD GENERATION BALANCE REPORT

Maximum Load/Demand till Date

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

Date: April 27, 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 and V under break down. 400kV THP-SIL fdr I breakdown .400kV Malbase-Siliguri under shutdown.
		Unit- II	79.07	400kV THP - Siliguri Fdr- II	24.49	+	
		Unit- III	0.00	400kV THP - Siliguri Fdr- IV	21.80	+	
		Unit- IV	0.00	400kV THP - Malbase Fdr- III	139.46	+	
		Unit- V	0.00	400kV Malbase - Siliguri	0.00	+	
		Unit- VI	109.69				
		Total	188.76	Error At Station/Auxiliary Consumption/Losses		3.01	
2	CHP	Unit- I	0.00	220kV CHP - Birpara Fdr- I	0.66	+	Unit-I under annual maintenance & unit-II under standby.
		Unit- II	0.00	220kV CHP - Birpara Fdr- II	5.46	+	
		Unit- III	54.20	220kV CHP - Malbase Fdr- III	29.46	+	
		Unit- IV	52.25	220kV CHP - Semtokha Fdr- IV	45.21	+	
				220kV Malbase - Birpara Fdr.	-14.35	-	
				66kV CHP - Chumdo Fdr.	18.11	+	
				66kV CHP - Gedu Fdr.	3.20	+	
				3x3MVA, 66/11kV TFR	0.88	+	
		Total	106.45	Error At Station/Auxiliary Consumption/Losses		3.47	
3	BHP (U/S)	Unit- I	0.00	220kV BHP - Semtokha Fdr.	0.00	+	(U/S) Unit I on standby & (L/S) Units under shutdown. 220kV BHP_TSI & 220kV BHP_SEM under maintenance
		Unit- II	4.19	66kV BHP - Lobeysa Fdr.	3.37	+	
		Total	4.19	220kV BHP - Tsirang Fdr.		0.00	
	BHP (L/S)	Unit- I	0.00	5MVA, 66/11kV TFR	0.80	+	
		Unit- II	0.00	30MVA ICT, 220/66kV	0.00		
		Total	0.00	Error At Station/Auxiliary Consumption/Losses		0.02	
4	DHPC	Unit-I	0.00	220kV DHPC - Tsirang Fdr.	0.00		DHPC units under shutdown till 30/04/2018
		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	20.34	+	Unit-II shutdown and unit I on standby
		Unit-II	0.00	132kV KHP - Kilikhar Fdr- II	9.36	+	
		Unit- III	15.46	5MVA, 132/11kV TFR	0.40	+	
		Unit- IV	14.98	132kV Gelephu - Salakati Fdr.	-38.09	-	
				132kV Motanga - Rangia Fdr.	12.62	+	
				220kV Tsirang - Jigmeling	2.59	+	
		Total	30.44	Error At Station/Auxiliary Consumption/Losses		0.34	

Note: Load summary on April 27, 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	299.40	258.75	252.25	38.06	6.50
2	Eastern Grid	30.44	58.50	58.16	-25.47	0.34
	Total	329.84	317.25	310.41	12.59	6.84

Note: Load Summary on April 27, 2017 at 19:00hrs

Sl. No	Region	19:00Hrs Load (MW)	Day Peak Load (MW)	Month Peak Load (MW)
1	Western Grid	266.99	271.89	279.08
2	Eastern Grid	45.16	48.40	63.98
	National	312.15	320.29	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 28, 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 Standby. Unit-I and V under breakdown.400kV THP-SIL fdr I breakdown. 400kV THP_SILI IV under maintenance
		Unit- II	97.25	400kV THP - Siliguri Fdr- II	51.60	+	
		Unit- III	0.00	400kV THP - Siliguri Fdr- IV	0.00	+	
		Unit- IV	0.00	400kV THP - Malbase Fdr- III	151.35	+	
		Unit- V	0.00	400kV Malbase - Siliguri	27.41	+	
		Unit- VI	110.12				
		Total	207.37	Error At Station/Auxiliary Consumption/Losses	4.42		
2	CHP	Unit- I	0.00	220kV CHP - Birpara Fdr- I	0.41	+	Unit-I under Annual Maintenance and unit-II under standby.
		Unit- II	0.00	220kV CHP - Birpara Fdr- II	0.44	+	
		Unit- III	48.70	220kV CHP - Malbase Fdr- III	42.58	+	
		Unit- IV	48.64	220kV CHP - Semtokha Fdr- IV	37.74	+	
				220kV Malbase - Birpara Fdr.	-32.19	-	
				66kV CHP - Chumdo Fdr.	12.24	+	
				66kV CHP - Gedu Fdr.	1.98	+	
				3x3MVA, 66/11kV TFR	0.54	+	
		Total	97.34	Error At Station/Auxiliary Consumption/Losses	1.41		
3	BHP (U/S)	Unit- I	0.00	220kV BHP - Semtokha Fdr.	0.00		BHP (U/S) under shutdown.BHP lower stage unit I on standby. 220kV BHP_SEM & 66kV BHP_Lobeysa under shutdown.
		Unit- II	0.00	66kV BHP - Lobeysa Fdr.	0.00		
		Total	0.00	220kV BHP - Tsirang Fdr.	7.27	+	
	BHP (L/S)	Unit- I	0.00	5MVA, 66/11kV TFR	0.00	+	
		Unit- II	6.57	30MVA ICT, 220/66kV			
		Total	6.57	Error At Station/Auxiliary Consumption/Losses	-0.70		
4	DHPC	Unit-I	0.00	220kV DHPC - Tsirang Fdr.	0.00		DHPC units under shutdown till 30/04/2018
		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	23.51	+	Unit-II shutdown.Unit-III standby.
		Unit-II	12.33	132kV KHP - Kilikhar Fdr- II	3.51	+	
		Unit- III	15.31	5MVA, 132/11kV TFR	0.40	+	
		Unit- IV	0.00	132kV Gelephu - Salakati Fdr.	-20.41	-	
				132kV Motanga - Rangia Fdr.	15.45	+	
				220kV Tsirang - Jigmeling	6.81	+	
		Total	27.64	Error At Station/Auxiliary Consumption/Losses	0.22		

Note: Load summary on April 28, 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	311.28	256.80	251.67	47.67	5.13
2	Eastern Grid	27.64	39.41	39.19	-4.96	0.22
	Total	338.92	296.21	290.86	42.71	5.35

Note: Load Summary on April 28, 2017 at 09:00hrs

Sl. No	Region	09:00Hrs Load (MW)	Day Peak Load (MW)	Month Peak Load (MW)
1	Western Grid	243.09	247.60	279.08
2	Eastern Grid	42.68	60.73	63.98
	National	285.77	308.33	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:
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