

LOAD GENERATION BALANCE REPORT

Maximum Load/Demand till Date

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

Date: April 8, 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 & II Standby Unit-I under break down. 400kV THP-SIL fdr I breakdown & 400kV THP_SIL fdr.IV standby.
		Unit- II	0.00	400kV THP - Siliguri Fdr- II	39.04	+	
		Unit- III	0.00	400kV THP - Siliguri Fdr- IV	0.00	+	
		Unit- IV	0.00	400kV THP - Malbase Fdr- III	158.64	+	
		Unit- V	98.99	400kV Malbase - Siliguri	7.17	-	
		Unit- VI	100.80				
		Total	199.79	Error At Station/Auxiliary Consumption/Losses	2.11		
2	CHP	Unit- I	48.50	220kV CHP - Birpara Fdr- I	-7.36	-	Unit-II & IV under annual maintenance
		Unit- II	0.00	220kV CHP - Birpara Fdr- II	-7.59	-	
		Unit- III	49.26	220kV CHP - Malbase Fdr- III	18.23	+	
		Unit- IV	0.00	220kV CHP - Semtokha Fdr- IV	67.06	+	
				220kV Malbase - Birpara Fdr.	-25.58	-	
				66kV CHP - Chumdo Fdr.	18.39	+	
				66kV CHP - Gedu Fdr.	6.10	+	
				3x3MVA, 66/11kV TFR	1.80	+	
		Total	97.76	Error At Station/Auxiliary Consumption/Losses	1.13		
3	BHP (U/S)	Unit- I	3.95	220kV BHP - Semtokha Fdr.	-26.35	-	(U/S) Unit II & (L/S) Unit II Standby
		Unit- II	0.00	66kV BHP - Lobeysa Fdr.	9.32	+	
		Total	3.95	220kV BHP - Tsirang Fdr.	29.95	+	
	BHP (L/S)	Unit- I	12.16	5MVA, 66/11kV TFR	0.85	+	
		Unit- II	0.00	30MVA ICT, 220/66kV	0.00		
		Total	12.16	Error At Station/Auxiliary Consumption/Losses	2.34		
4	DHPC	Unit-I	13.99	220kV DHPC - Tsirang Fdr.	13.75	+	Unit-II Standby
		Unit-II	0.00	220kV DHPC - Jigmeling Fdr.	0.00	+	
				5MVA, 220/33kV TFR	0.20	+	
		Total	13.99	Error At Station/Auxiliary Consumption/Losses	0.04		
5	KHP	Unit- I	0.00	132kV KHP - Nangkhor Fdr- I	22.58	+	Unit-I under maintenance. Unit-II Standby.
		Unit-II	16.64	132kV KHP - Kilikhar Fdr- II	9.78	+	
		Unit- III	0.00	5MVA, 132/11kV TFR	0.60	+	
		Unit- IV	16.65	132kV Gelephu - Salakati Fdr.	-9.08	-	
				132kV Motanga - Rangia Fdr.	18.97	+	
				220kV Tsirang - Jigmeling	41.84	+	
		Total	33.29	Error At Station/Auxiliary Consumption/Losses	0.33		

Note: Load summary on April 08, 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	327.65	280.13	274.51	5.68	5.62
2	Eastern Grid	33.29	65.24	64.91	9.89	0.33
	Total	360.94	345.37	339.42	15.57	5.95

Note: Load Summary on April 08, 2017 at 19:00hrs

Sl. No	Region	19:00Hrs Load (MW)	Day Peak Load (MW)	Month Peak Load (MW)
1	Western Grid	117.09	142.12	279.08
2	Eastern Grid	62.40	62.40	63.98
	National	179.49	204.52	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 9, 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& II Standby Unit-I under break down. 400kV THP-SIL fdr I breakdown. 400kV THP_SIL IV Standby.
		Unit- II	0.00	400kV THP - Siliguri Fdr- II	48.00	+	
		Unit- III	0.00	400kV THP - Siliguri Fdr- IV	0.00	+	
		Unit- IV	0.00	400kV THP - Malbase Fdr- III	147.45	+	
		Unit- V	99.65	400kV Malbase - Siliguri	21.08	+	
		Unit- VI	99.23				
		Total	198.88	Error At Station/Auxiliary Consumption/Losses	3.43		
2	CHP	Unit- I	40.12	220kV CHP - Birpara Fdr- I	-0.68	-	Unit-II & IV under annual maintenance.
		Unit- II	0.00	220kV CHP - Birpara Fdr- II	-0.74	-	
		Unit- III	49.83	220kV CHP - Malbase Fdr- III	32.64	+	
		Unit- IV	0.00	220kV CHP - Semtokha Fdr- IV	35.98	+	
				220kV Malbase - Birpara Fdr.	-26.25	-	
				66kV CHP - Chumdo Fdr.	11.43	+	
				66kV CHP - Gedu Fdr.	8.54	+	
				3x3MVA, 66/11kV TFR	0.56	+	
		Total	89.95	Error At Station/Auxiliary Consumption/Losses	2.22		
3	BHP (U/S)	Unit- I	4.60	220kV BHP - Semtokha Fdr.	-9.77	+	(U/S) Unit II & (L/S) Unit II Standby
		Unit- II	0.00	66kV BHP - Lobeysa Fdr.	7.46	+	
		Total	4.60	220kV BHP - Tsirang Fdr.	15.87	+	
	BHP (L/S)	Unit- I	9.46	5MVA, 66/11kV TFR	0.49	+	
		Unit- II	0.00	30MVA ICT, 220/66kV			
		Total	9.46	Error At Station/Auxiliary Consumption/Losses	0.01		
4	DHPC	Unit-I	16.99	220kV DHPC - Tsirang Fdr.	16.79	+	Unit-II Standby
		Unit-II	0.00	220kV DHPC - Jigmeling Fdr.	0.00	+	
				5MVA, 220/33kV TFR	0.00	+	
		Total	16.99	Error At Station/Auxiliary Consumption/Losses	0.20		
5	KHP	Unit- I	0.00	132kV KHP - Nangkhor Fdr- I	28.67	+	Unit-I standby Unit-III under maintenance. 132kV GEL_SAL line under shutdown.
		Unit-II	16.54	132kV KHP - Kilikhar Fdr- II	3.26	+	
		Unit- III	0.00	5MVA, 132/11kV TFR	0.35	+	
		Unit- IV	16.56	132kV Gelephu - Salakati Fdr.	0.00	-	
				132kV Motanga - Rangia Fdr.	37.13	+	
				220kV Tsirang - Jigmeling	27.00	+	
		Total	33.10	Error At Station/Auxiliary Consumption/Losses	0.82		

Note: Load summary on April 09, 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	319.88	251.47	245.61	41.41	5.86
2	Eastern Grid	33.10	22.97	22.15	37.13	0.82
	Total	352.98	274.44	267.76	78.54	6.68

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

Sl. No	Region	09:00Hrs Load (MW)	Day Peak Load (MW)	Month Peak Load (MW)
1	Western Grid	155.30	221.88	279.08
2	Eastern Grid	50.73	56.83	63.98
	National	206.03	278.71	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.