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Ministry of Energy and Natural Resources
Royal Government of Bhutan
Bhutan Power System Operator
Thimphu: Bhutan



THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 15-Jun-2026(+ve:import, -ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	June 14, 2026	9:00 AM			08-Nov-25	19:03:00
						1,477.00
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	6 x 170 MW THP (Tala)	Unit-I	113.60	400kV THP - Siliguri Line - I	-7.61	Unit-II & III on Standby
		Unit-II	0.00	400kV THP - Siliguri Line - II	-8.81	
		Unit-III	0.00	400kV THP - Norbugang - IV	106.48	
		Unit-IV	60.56	400kV THP - Malbase Line - III	250.88	
		Unit-V	60.21	400kV Malbase - Siliguri Line	-64.07	
		Unit-VI	110.29	400kV Norbugang-Siliguri Line	-71.94	
		Total	344.66	Auxiliary Consumption & Transformation Losses at Generator end	1.08%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	22.02	400kV MHP - Jigmeling Line - I	107.66	400kV MHP-JLG line- II under shutdown. 500MVA ICT, 220kV Jigmeling_BitDeer line-I & II tripped at 07:52hrs. 80MVA ICT- I & II opened at 08:59hrs to rectify the above tripping.
		Unit-II	26.27	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	140.61	400kV MHP - Jigmeling Line - III	111.86	
		Unit-IV	141.47	400kV MHP - Jigmeling Line - IV	111.37	
		-	-	220kV Jigmeling - BitDeer Line - I	0.00	
		-	-	220kV Jigmeling - BitDeer Line - II	0.00	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	0.00	
		-	-	400kV Jigmeling - Alipurdhar Line - I	202.64	
		-	-	400kV Jigmeling - Alipurdhar Line - II	201.46	
		-	-	80MVA, 220/132kV ICT - I (HV)	0.00	
		-	-	80MVA, 220/132kV ICT - II (HV)	0.00	
		-	-	132kV MHP - Yurmo Line - II	60.17	
		-	-	132kV MHP - Tintibi Line	5.48	
		-	-	132kV Gelephu - Salakati Line	-61.59	
		Total	330.37	Auxiliary Consumption & Transformation Losses at Generator end	-2.00%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	150.00	400kV PHP II - Jigmeling - I	39.29	Unit-II under Shutdown. Unit-III under AMP.
		Unit-II	0.00	400kV PHP II - Jigmeling - II	38.74	
		Unit-III	0.00	400kV PHP II - Alipurdhar - I	227.43	
		Unit-IV	125.32	400kV PHP II - Alipurdhar - II	227.22	
		Unit-V	139.81	-	-	
		Unit-VI	118.78	-	-	
		Total	533.91	Auxiliary Consumption & Transformation Losses at Generator end	0.23%	
4	4 x 84 MW CHP (Chukha)	Unit-I	56.07	220kV CHP - Birpara Line - I	-69.70	All Units & Feeders are in Service.
		Unit-II	56.14	220kV CHP - Birpara Line - II	-69.20	
		Unit-III	56.28	220kV CHP - Gedu	-33.77	
		Unit-IV	56.32	220kV CHP - Jamjee - I	133.17	
		-	-	220kV CHP - Jamjee - II	132.00	
		-	-	220kV CHP - Jamjee - III	130.00	
		-	-	220kV Malbase - Birpara Line	-46.09	
		-	-	66kV CHP - Gedu Line	4.87	
		Total	224.81	Auxiliary Consumption & Transformation Losses at Generator end	-1.14%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	8.81	220kV BHP - Semtokha Line	-77.32	All Units and Feeders are in Service.
		Unit-II	8.99	66kV BHP - Lobeysa Line	19.68	
		Total	17.80	220kV BHP - Tsirang Line	115.30	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	19.92	5MVA, 66/11kV TFR	0.36	All Units and Feeders are in Service.
		Unit-II	19.76	30MVA ICT, 220/66kV (HV)	0.50	
		Total	39.68	Auxiliary Consumption & Transformation Losses at Generator end	-0.94%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	36.51	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line under Shutdown for relay configuration. Unit-II on Standby.
		Unit-II	0.00	220kV DHP - Dagapela Line	36.10	
		-	-	220kV BitDeer - Dagapela Line	12.57	
		-	-	5MVA, 220/33kV TFR	0.50	
		Total	36.51	Auxiliary Consumption & Transformation Losses at Generator end	-0.25%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	15.59	132kV KHP - Nangkhor Line	52.36	All Units and Feeders are in Service.
		Unit-II	15.98	132kV KHP - Kilikhar Line	11.44	
		Unit-III	16.60	5MVA, 132/11kV TFR	0.39	
		Unit-IV	16.45	132kV Motanga - Rangja Line	17.32	
		Total	64.62	Auxiliary Consumption & Transformation Losses at Generator end	0.67%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	40.02	132kV NHP-MHP-I	39.74	All Units and Feeders are in Service.
		Unit-II	20.01	132kV NHP-MHP-II	19.81	
		Total	60.03	Auxiliary Consumption & Transformation Losses at Generator end	0.80%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.07	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.
		Unit-II	5.01	-	-	
		Total	10.08	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	17.38 MWp SSP (Sephu Solar Plant)	Inverter-1	0.43	33kV SSP-Wangdue	2.07	All Inverters & Feeders are in Service.
		Inverter-2	0.82	33kV SSP-Trongsa	1.84	
		Inverter-3	0.82	-	-	
		Inverter-4	0.99	-	-	
		Inverter-5	0.85	-	-	
		Total	3.91	Auxiliary Consumption & Transformation Losses at Generator end	0.05%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	15.01	Unit-I on Standby.
		Unit-II	16.06	5MVA, 132/33kV TFR	0.82	
		Total	16.06	Auxiliary Consumption & Transformation Losses at Generator end	1.43%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	18.03	132kV BSHP-Panbang	15.80	Unit-I started its 72hrs trial run on 14.06.2026 at 00:30hrs.
		Unit-II	27.10	132kV BSHP-Tintibi	28.99	
		Total	45.13	Auxiliary Consumption & Transformation Losses at Generator end	0.75%	

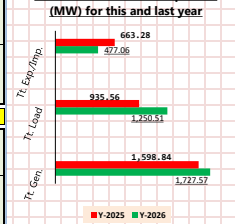
Note: Generation-Load Summary (MW) for 14-Jun-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	1,727.57	1,250.51	477.06

Note: Generation-Load Summary (MW) for 14-Jun-25 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	1,598.84	935.56	663.28

09:00 hrs Statistical Comparison (MW) for this and last year



THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 15-Jun-2026(-ve:import,+ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	June 14, 2026	19:00:00			08-Nov-25	19:03:00
						1,477.00
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	6 x 170 MW THP (Tala)	Unit-I	134.12	400kV THP - Siliguri Line - I	47.75	Unit-III & Unit-II on Standby. All Feeders are in Service.
		Unit-II	0.00	400kV THP - Siliguri Line - II	46.85	
		Unit-III	0.00	400kV THP - Norbugang Line - IV	136.57	
		Unit-IV	130.46	400kV THP - Malbase Line - III	284.26	
		Unit-V	145.09	400kV Malbase - Siliguri Line	-7.34	
		Unit-VI	110.41	400kV Norbugang-Siliguri Line	-28.08	
		Total	520.08	Auxiliary Consumption & Transformation Losses at Generator end	0.89%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	70.23	400kV MHP - Jigmeling Line - I	146.89	400kV MHP-JLG line- II under shutdown.
		Unit-II	79.86	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	150.60	400kV MHP - Jigmeling Line - III	152.13	
		Unit-IV	150.26	400kV MHP - Jigmeling Line - IV	151.84	
		-	-	220kV Jigmeling - BitDeer Line - I	172.25	
		-	-	220kV Jigmeling - BitDeer Line - II	157.29	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	430.18	
		-	-	400kV Jigmeling - Alipurdwar Line - I	125.09	
		-	-	400kV Jigmeling - Alipurdwar Line - II	124.36	
		-	-	80MVA, 220/132kV ICT - I (HV)	50.54	
		-	-	80MVA, 220/132kV ICT - II (HV)	50.06	
		-	-	132kV MHP - Yurmo Line - II	59.80	
		-	-	132kV MHP - Tintibi Line	17.84	
		-	-	132kV Gelephu - Salakati Line	-30.30	
		Total	450.95	Auxiliary Consumption & Transformation Losses at Generator end	-3.98%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	157.85	400kV PHP II - Jigmeling -I	118.13	Unit-II under Shutdown. Unit-III under AMP.
		Unit-II	0.00	400kV PHP II - Jigmeling -II	117.38	
		Unit-III	0.00	400kV PHP II - Alipurdwar -I	187.95	
		Unit-IV	148.66	400kV PHP II - Alipurdwar -II	188.45	
		Unit-V	149.69	-	-	
		Unit-VI	154.16	-	-	
		Total	610.36	Auxiliary Consumption & Transformation Losses at Generator end	-0.25%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	59.52	220kV CHP - Birpara Line - I	-24.48	All Units & Feeders are in Service..
		Unit-II	54.66	220kV CHP - Birpara Line - II	-24.37	
		Unit-III	59.36	220kV CHP - Gedu	29.28	
		Unit-IV	50.63	220kV CHP - Jamjee - I	80.11	
		-	-	220kV CHP - Jamjee - II	78.64	
		-	-	220kV CHP - Jamjee - III	75.68	
		-	-	220kV Malbase - Birpara Line	-19.63	
		-	-	66kV CHP - Gedu Line	7.40	
		Total	224.17	Auxiliary Consumption & Transformation Losses at Generator end	0.85%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	6.64	220kV BHP - Sertokha Line	51.24	All Units and Feeders are in Service.
		Unit-II	5.45	66kV BHP - Lobeyssa Line	24.28	
		Total	12.09	220kV BHP - Tsirang Line	-39.60	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	11.67	5MVA, 66/11kV TFR	0.63	
		Unit-II	11.65	30MVA ICT, 220/66kV (HV)	11.93	
		Total	23.32	Auxiliary Consumption & Transformation Losses at Generator end	-3.22%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	30.45	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Shutdown for relay configuration. Unit-II on Standby.
		Unit-II	0.00	220kV DHP - Dagapela Line	30.10	
		-	-	220kV BitDeer - Dagapela Line	17.75	
		-	-	5MVA, 220/33kV TFR	0.30	
		Total	30.45	Auxiliary Consumption & Transformation Losses at Generator end	0.16%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	15.46	132kV KHP - Nangkor Line	49.11	All Units & Feeders are in Service.
		Unit-II	15.84	132kV KHP - Kilikhar Line	14.29	
		Unit-III	16.60	5MVA, 132/11kV TFR	0.45	
		Unit-IV	16.60	132kV Motanga - Rangla Line	31.61	
		Total	64.50	Auxiliary Consumption & Transformation Losses at Generator end	1.01%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	40.03	132kV NHP-MHP-I	39.70	All Units & Feeders are in Service.
		Unit-II	20.05	132kV NHP-MHP-II	19.89	
		Total	60.08	Auxiliary Consumption & Transformation Losses at Generator end	0.82%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.08	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.
		Unit-II	5.01	-	-	
		Total	10.09	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	14.44	Unit I on Standby.
		Unit-II	16.04	5MVA, 132/33kV TFR	1.37	
		Total	16.04	Auxiliary Consumption & Transformation Losses at Generator end	1.43%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	15.00	132kV BSHP-Panbang	30.39	Test charge not yet done for Unit-I.
		Unit-II	27.43	132kV BSHP-Tintibi	19.39	
		Total	42.43	Auxiliary Consumption & Transformation Losses at Generator end	-17.32%	

Note: Generation-Load Summary (MW) for 14-Jun-2026 at 18:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,064.56	1,446.70	617.86

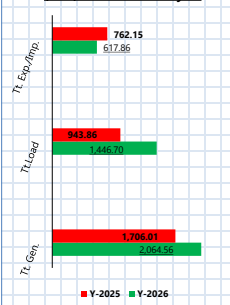
Note: Generation-Load Summary (MW) for 14-Jun-2025, at 19:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	1,706.01	943.86	762.15

Note: Daily Energy (MUS) and Power(MW) Statistics for 14-Jun-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	46.89	32.89	0.00	14.00	820.00

19:00 hrs Statistical Comparison
(MW) for this and last year



- The Instantaneous load balance does not tend towards zero. This could be due to the following reasons:
 - Not all the meters are digital and not 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, compiled using the SCADA data, is prepared to give an overall idea of the generation & load flow for the system at a particular instant. This report also gives energy and import/export figures.
- When SCADA data are unavailable for certain stations due to technical issues, required data are collected from the site.