



འབྲུག་རྒྱལ་ཁབ་རྒྱུ་རྩུབ་ལྷན་ཁག་
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 17-Jun-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	June 16, 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	110.65	400kV THP - Siliguri Line - I	25.66	Unit-II & III on Standby
		Unit-II	0.00	400kV THP - Siliguri Line - II	24.46	
		Unit-III	0.00	400kV THP - Norbugang - IV	115.47	
		Unit-IV	90.58	400kV THP - Malbase Line - III	245.08	
		Unit-V	88.25	400kV Malbase - Siliguri Line	-24.88	
		Unit-VI	125.31	400kV Norbugang-Siliguri Line	-50.90	
		Total	414.79	Auxiliary Consumption & Transformation Losses at Generator end	0.99%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	140.07	400kV MHP - Jigmeling Line - I	167.99	400kV MHP-JLG line- II under shutdown.
		Unit-II	45.21	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	155.73	400kV MHP - Jigmeling Line - III	174.11	
		Unit-IV	174.56	400kV MHP - Jigmeling Line - IV	173.81	
		-	-	220kV Jigmeling - BitDeer Line - I	183.74	
		-	-	220kV Jigmeling - BitDeer Line - II	167.11	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	438.91	
		-	-	400kV Jigmeling - Alipurduar Line - I	141.09	
		-	-	400kV Jigmeling - Alipurduar Line - II	140.36	
		-	-	80MVA, 220/132kV ICT - I (HV)	45.01	
		-	-	80MVA, 220/132kV ICT - II (HV)	44.56	
		-	-	132kV MHP - Yurmo Line - II	52.97	
		-	-	132kV MHP - Tintibi Line	16.58	
		-	-	132kV Gelephu - Salakati Line	-31.11	
		Total	515.57	Auxiliary Consumption & Transformation Losses at Generator end	-0.09%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	151.98	400kV PHP II - Jigmeling - I	105.66	Unit-II under Shutdown. Unit-III under AMP.
		Unit-II	0.00	400kV PHP II - Jigmeling - II	105.11	
		Unit-III	0.00	400kV PHP II - Alipurduar - I	197.30	
		Unit-IV	148.77	400kV PHP II - Alipurduar - II	197.63	
		Unit-V	150.17	-	-	
		Unit-VI	150.27	-	-	
		Total	601.19	Auxiliary Consumption & Transformation Losses at Generator end	-0.75%	
4	4 x 84 MW CHP (Chukha)	Unit-I	57.60	220kV CHP - Birpara Line - I	-28.41	All Units & Feeders are in Service.
		Unit-II	57.47	220kV CHP - Birpara Line - II	-28.32	
		Unit-III	56.74	220kV CHP - Gedu	42.65	
		Unit-IV	57.70	220kV CHP - Jamjee - I	81.81	
		-	-	220kV CHP - Jamjee - II	80.00	
		-	-	220kV CHP - Jamjee - III	79.00	
		-	-	220kV Malbase - Birpara Line	-36.36	
		-	-	66kV CHP - Gedu Line	2.02	
		Total	229.51	Auxiliary Consumption & Transformation Losses at Generator end	0.33%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	7.19	220kV BHP - Semtokha Line	51.90	All Units and Feeders are in Service.
		Unit-II	6.90	66kV BHP - Lobeysa Line	19.30	
		Total	14.09	220kV BHP - Tsirang Line	-29.61	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	14.05	5MVA, 66/11kV TFR	0.32	All Units and Feeders are in Service.
		Unit-II	13.74	30MVA ICT, 220/66kV (HV)	5.24	
		Total	27.79	Auxiliary Consumption & Transformation Losses at Generator end	-0.07%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	28.43	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	28.00	
		-	-	220kV BitDeer - Dagapela Line	21.19	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	28.43	Auxiliary Consumption & Transformation Losses at Generator end	0.81%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.50	132kV KHP - Nangkor Line	52.83	All Units and Feeders are in Service.
		Unit-II	16.51	132kV KHP - Kilikhar Line	12.27	
		Unit-III	16.61	5MVA, 132/11kV TFR	0.43	
		Unit-IV	16.48	132kV Motanga - Rangja Line	35.20	
		Total	66.10	Auxiliary Consumption & Transformation Losses at Generator end	0.86%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	44.99	132kV NHP-MHP-I	44.65	All Units and Feeders are in Service.
		Unit-II	25.03	132kV NHP-MHP-II	24.79	
		Total	70.02	Auxiliary Consumption & Transformation Losses at Generator end	0.83%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.02	66kV SHP-Damdhum (Samtse)	0.00	Both Units under Shutdown. Interim measure: Evacuation is through 33kV System.
		Unit-II	5.06	-	-	
		Total	10.08	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	17.38 MWp SSP (Sephu Solar Plant)	Inverter-1	1.73	33kV SSP-Wangdue	8.08	All Inverters & Feeders are in Service.
		Inverter-2	3.03	33kV SSP-Trongsa	8.23	
		Inverter-3	3.30	-	-	
		Inverter-4	4.40	-	-	
		Inverter-5	3.87	-	-	
		Total	16.34	Auxiliary Consumption & Transformation Losses at Generator end	0.17%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	15.29	Unit-I on Standby.
		Unit-II	16.06	5MVA, 132/33kV TFR	0.53	
		Total	16.06	Auxiliary Consumption & Transformation Losses at Generator end	1.49%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	13.00	132kV BSHP-Panbang	35.10	Unit-I started its 72hrs trial run on 14.06.2026 at 00:30hrs.
		Unit-II	27.11	132kV BSHP-Tintibi	5.00	
		Total	40.11	Auxiliary Consumption & Transformation Losses at Generator end	0.02%	

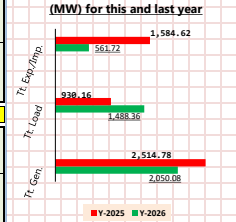
Note: Generation-Load Summary (MW) for 16-Jun-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,050.08	1,488.36	561.72

Note: Generation-Load Summary (MW) for 16-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)	2,514.78	930.16	1,584.62

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 17-Jun-2026(-ve:import,+ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	June 16, 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	140.61	400kV THP - Siliguri Line - I	53.16	Unit-II & Unit-III on Standby. All Feeders are in Service.
		Unit-II	0.00	400kV THP - Siliguri Line - II	52.27	
		Unit-III	0.00	400kV THP - Norbugang Line - IV	140.98	
		Unit-IV	160.41	400kV THP - Malbase Line - III	293.83	
		Unit-V	140.18	400kV Malbase - Siliguri Line	2.90	
		Unit-VI	104.28	400kV Norbugang-Siliguri Line	-24.82	
		Total	545.48	Auxiliary Consumption & Transformation Losses at Generator end	0.96%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	80.81	400kV MHP - Jigmeling Line - I	151.61	400kV MHP-JLG line- II under shutdown.
		Unit-II	79.79	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	130.87	400kV MHP - Jigmeling Line - III	157.20	
		Unit-IV	174.48	400kV MHP - Jigmeling Line - IV	157.10	
		-	-	220kV Jigmeling - BitDeer Line - I	173.70	
		-	-	220kV Jigmeling - BitDeer Line - II	158.49	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	437.09	
		-	-	400kV Jigmeling - Alipurdwar Line - I	126.55	
		-	-	400kV Jigmeling - Alipurdwar Line - II	124.36	
		-	-	80MVA, 220/132kV ICT - I (HV)	53.02	
		-	-	80MVA, 220/132kV ICT - II (HV)	52.50	
		-	-	132kV MHP - Yumo Line - II	52.21	
		-	-	132kV MHP - Tintibi Line	16.58	
		-	-	132kV Gelephu - Salakati Line	-29.64	
		Total	465.95	Auxiliary Consumption & Transformation Losses at Generator end	0.16%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	150.11	400kV PHP II - Jigmeling -I	114.74	Unit-II under Shutdown. Unit-III under AMP.
		Unit-II	0.00	400kV PHP II - Jigmeling -II	113.83	
		Unit-III	0.00	400kV PHP II - Alipurdwar -I	186.76	
		Unit-IV	148.92	400kV PHP II - Alipurdwar -II	186.69	
		Unit-V	150.50	-	-	
		Unit-VI	148.78	-	-	
		Total	598.31	Auxiliary Consumption & Transformation Losses at Generator end	-0.62%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	69.44	220kV CHP - Birpara Line - I	-16.77	All Units & Feeders are in Service..
		Unit-II	69.28	220kV CHP - Birpara Line - II	-16.72	
		Unit-III	67.69	220kV CHP - Gedu	37.29	
		Unit-IV	67.62	220kV CHP - Jamjee - I	89.78	
		-	-	220kV CHP - Jamjee - II	89.41	
		-	-	220kV CHP - Jamjee - III	86.14	
		-	-	220kV Malbase - Birpara Line	-12.32	
		-	-	66kV CHP - Gedu Line	2.28	
		Total	274.03	Auxiliary Consumption & Transformation Losses at Generator end	0.96%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	5.35	220kV BHP - Semtokha Line	48.12	All Units and Feeders are in Service.
		Unit-II	5.74	66kV BHP - Lobeysa Line	23.82	
		Total	11.09	220kV BHP - Tsirang Line	-39.74	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	11.38	5MVA, 66/11kV TFR	0.61	
		Unit-II	10.31	30MVA ICT, 220/66kV (HV)	12.32	
		Total	21.69	Auxiliary Consumption & Transformation Losses at Generator end	-0.11%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	29.44	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	29.17	
		-	-	220kV BitDeer - Dagapela Line	19.74	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	29.44	Auxiliary Consumption & Transformation Losses at Generator end	0.24%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.52	132kV KHP - Nangkor Line	50.66	All Units & Feeders are in Service.
		Unit-II	16.53	132kV KHP - Kilikhar Line	14.44	
		Unit-III	16.52	5MVA, 132/11kV TFR	0.50	
		Unit-IV	16.59	132kV Motanga - Rangla Line	35.54	
		Total	66.16	Auxiliary Consumption & Transformation Losses at Generator end	0.85%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	44.93	132kV NHP-MHP-I	44.63	All Units & Feeders are in Service.
		Unit-II	24.96	132kV NHP-MHP-II	24.85	
		Total	69.89	Auxiliary Consumption & Transformation Losses at Generator end	0.59%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.02	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.
		Unit-II	5.05	-	-	
		Total	10.07	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	14.48	Unit I on Standby.
		Unit-II	15.99	5MVA, 132/33kV TFR	1.27	
		Total	15.99	Auxiliary Consumption & Transformation Losses at Generator end	1.50%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	15.00	132kV BSHP-Panbang	32.08	Unit-I started its 72hrs trial run on 14.06.2026 at 00:30hrs.
		Unit-II	27.43	132kV BSHP-Tintibi	10.42	
		Total	42.43	Auxiliary Consumption & Transformation Losses at Generator end	-0.16%	

Note: Generation-Load Summary (MW) for 16-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)	2,150.53	1,482.56	667.96

Note: Generation-Load Summary (MW) for 16-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)	2,329.40	934.35	1,395.05

Note: Daily Energy (MUS) and Power(MW) Statistics for 16-Jun-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	49.740	34.21	0.00	15.53	904.60

1. The instantaneous load balance does not tend towards zero. This could be due to the following reasons:

- i) 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. ii) The clocks of all the locations are not synchronized.
2. 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.
3. When SCADA data are unavailable for certain stations due to technical issues, required data are collected from the site.

