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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 25-Jun-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	June 24, 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	107.63	400kV THP - Siliguri Line - I	138.26	All Units & Feeders are in Service.
		Unit-II	140.86	400kV THP - Siliguri Line - II	136.56	
		Unit-III	89.98	400kV THP - Norbugang - IV	174.45	
		Unit-IV	146.37	400kV THP - Malbase Line - III	311.53	
		Unit-V	140.14	400kV Malbase - Siliguri Line	87.79	
		Unit-VI	142.21	400kV Norbugang-Siliguri Line	62.40	
		Total	767.19	Auxiliary Consumption & Transformation Losses at Generator end	0.83%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	169.84	400kV MHP - Jigmeling Line - I	205.51	400kV MHP-JLG line- II under Shutdown.
		Unit-II	80.18	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	195.51	400kV MHP - Jigmeling Line - III	212.77	
		Unit-IV	185.68	400kV MHP - Jigmeling Line - IV	212.70	
		-	-	220kV Jigmeling - BitDeer Line - I	193.09	
		-	-	220kV Jigmeling - BitDeer Line - II	174.56	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	426.18	
		-	-	400kV Jigmeling - Alipurdhar Line - I	240.00	
		-	-	400kV Jigmeling - Alipurdhar Line - II	239.27	
		-	-	80MVA, 220/132kV ICT - I (HV)	29.83	
		-	-	80MVA, 220/132kV ICT - II (HV)	29.51	
		-	-	132kV MHP - Yurmo Line - II	55.61	
		-	-	132kV MHP - Tintibi Line	20.45	
		-	-	132kV Gelephu - Salakati Line	-25.29	
		Total	631.21	Auxiliary Consumption & Transformation Losses at Generator end	3.26%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	179.36	400kV PHP II - Jigmeling - I	142.00	Unit-II under Shutdown.
		Unit-II	0.00	400kV PHP II - Jigmeling - II	140.98	
		Unit-III	185.36	400kV PHP II - Alipurdhar - I	316.71	
		Unit-IV	180.21	400kV PHP II - Alipurdhar - II	316.41	
		Unit-V	180.24	-	-	
		Unit-VI	181.29	-	-	
		Total	906.46	Auxiliary Consumption & Transformation Losses at Generator end	-1.06%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.58	220kV CHP - Birpara Line - I	2.74	All Units & Feeders are in Service.
		Unit-II	91.21	220kV CHP - Birpara Line - II	2.81	
		Unit-III	87.29	220kV CHP - Gedu	111.05	
		Unit-IV	91.54	220kV CHP - Jamjee - I	79.58	
		-	-	220kV CHP - Jamjee - II	79.00	
		-	-	220kV CHP - Jamjee - III	76.17	
		-	-	220kV Malbase - Birpara Line	-36.63	
		-	-	66kV CHP - Gedu Line	9.21	
		Total	361.62	Auxiliary Consumption & Transformation Losses at Generator end	0.29%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	8.30	220kV BHP - Semtokha Line	61.15	All Units and Feeders are in Service.
		Unit-II	10.40	66kV BHP - Lobeysa Line	22.66	
		Total	18.70	220kV BHP - Tsirang Line	-29.97	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	17.50	5MVA, 66/11kV TFR	0.29	All Units and Feeders are in Service.
		Unit-II	17.50	30MVA ICT, 220/66kV (HV)	4.48	
		Total	35.00	Auxiliary Consumption & Transformation Losses at Generator end	-0.80%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	49.49	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line & Unit-II on Standby.
		Unit-II	0.00	220kV DHP - Dagapela Line	49.00	
		-	-	220kV BitDeer - Dagapela Line	-0.61	
		-	-	5MVA, 220/33kV TFR	0.30	
		Total	49.49	Auxiliary Consumption & Transformation Losses at Generator end	0.38%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.55	132kV KHP - Nangkhor Line	52.74	All Units and Feeders are in Service.
		Unit-II	16.48	132kV KHP - Kilikhar Line	12.67	
		Unit-III	16.60	5MVA, 132/11kV TFR	0.29	
		Unit-IV	16.52	132kV Motanga - Rangja Line	52.63	
		Total	66.15	Auxiliary Consumption & Transformation Losses at Generator end	0.68%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	39.93	132kV NHP-MHP-I	39.60	All Units and Feeders are in Service.
		Unit-II	57.20	132kV NHP-MHP-II	56.81	
		Total	97.13	Auxiliary Consumption & Transformation Losses at Generator end	0.74%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.06	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.
		Unit-II	5.03	-	-	
		Total	10.09	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	22.38 MWp SSP (Sephu Solar Plant)	Inverter-1	0.77	33kV SSP-Wangdue	3.33	All Inverters & Feeders are in Service.
		Inverter-2	1.35	33kV SSP-Trongsa	3.09	
		Inverter-3	1.26	-	-	
		Inverter-4	1.67	-	-	
		Inverter-5	1.43	-	-	
		Total	6.48	Auxiliary Consumption & Transformation Losses at Generator end	0.94%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	14.92	Unit-I under Shutdown.
		Unit-II	16.01	5MVA, 132/33kV TFR	0.86	
		Total	16.01	Auxiliary Consumption & Transformation Losses at Generator end	1.44%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	18.57	132kV BSHP-Panbang	23.15	All Units & Feeders are in Service.
		Unit-II	27.10	132kV BSHP-Tintibi	22.00	
		Total	45.67	Auxiliary Consumption & Transformation Losses at Generator end	1.14%	

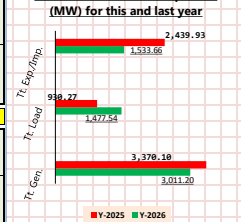
Note: Generation-Load Summary (MW) for 24-Jun-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,011.20	1,477.54	1,533.66

Note: Generation-Load Summary (MW) for 24-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)	3,370.10	930.27	2,439.93

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 25-Jun-2026(-ve:import,+ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	June 24, 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	185.66	400kV THP - Siliguri Line - I	109.77	All Units & Feeders are in Service.
		Unit-II	148.87	400kV THP - Siliguri Line - II	108.54	
		Unit-III	88.00	400kV THP - Norbugang Line - IV	169.51	
		Unit-IV	148.39	400kV THP - Malbase Line - III	323.84	
		Unit-V	118.22	400kV Malbase - Siliguri Line	54.84	
		Unit-VI	148.20	400kV Norbugang-Siliguri Line	21.12	
		Total	717.34	Auxiliary Consumption & Transformation Losses at Generator end	0.90%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	84.72	400kV MHP - Jigmeling Line - I	174.38	400kV MHP-JLG line- II under Shutdown.
		Unit-II	79.75	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	188.92	400kV MHP - Jigmeling Line - III	180.73	
		Unit-IV	198.93	400kV MHP - Jigmeling Line - IV	180.65	
		-	-	220kV Jigmeling - BitDeer Line - I	191.57	
		-	-	220kV Jigmeling - BitDeer Line - II	173.76	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	443.64	
		-	-	400kV Jigmeling - Alipurdwar Line - I	195.64	
		-	-	400kV Jigmeling - Alipurdwar Line - II	195.64	
		-	-	80MVA, 220/132kV ICT - I (HV)	39.47	
		-	-	80MVA, 220/132kV ICT - II (HV)	39.08	
		-	-	132kV MHP - Yumo Line - II	58.13	
		-	-	132kV MHP - Tintibi Line	68.69	
		-	-	132kV Gelephu - Salakati Line	-11.61	
		Total	536.32	Auxiliary Consumption & Transformation Losses at Generator end	0.48%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	171.46	400kV PHP II - Jigmeling -I	154.65	Unit-II under Shutdown.
		Unit-II	0.00	400kV PHP II - Jigmeling -II	153.68	
		Unit-III	169.18	400kV PHP II - Alipurdwar -I	279.24	
		Unit-IV	169.66	400kV PHP II - Alipurdwar -II	279.08	
		Unit-V	179.55	-	-	
		Unit-VI	169.83	-	-	
		Total	859.68	Auxiliary Consumption & Transformation Losses at Generator end	-0.81%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.55	220kV CHP - Birpara Line - I	7.15	All Units & Feeders are in Service..
		Unit-II	91.21	220kV CHP - Birpara Line - II	7.08	
		Unit-III	86.12	220kV CHP - Gedu	75.12	
		Unit-IV	91.44	220kV CHP - Jamjee - I	88.60	
		-	-	220kV CHP - Jamjee - II	87.61	
		-	-	220kV CHP - Jamjee - III	84.43	
		-	-	220kV Malbase - Birpara Line	-3.82	
		-	-	66kV CHP - Gedu Line	9.04	
		Total	360.32	Auxiliary Consumption & Transformation Losses at Generator end	0.36%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	7.98	220kV BHP - Semtokha Line	49.63	All Units and Feeders are in Service.
		Unit-II	7.95	66kV BHP - Lobeysa Line	24.40	
		Total	15.93	220kV BHP - Tsirang Line	-24.27	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	16.76	5MVA, 66/11kV TFR	0.59	
		Unit-II	16.73	30MVA ICT, 220/66kV (HV)	7.91	
		Total	33.49	Auxiliary Consumption & Transformation Losses at Generator end	-1.88%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	44.47	220kV DHP - Tsirang Line	0.00	Unit-II on Standby. 220kV DHP-Tsirang line on Standby.
		Unit-II	0.00	220kV DHP - Dagapela Line	44.18	
		-	-	220kV BitDeer - Dagapela Line	3.62	
		-	-	5MVA, 220/33kV TFR	0.30	
		Total	44.47	Auxiliary Consumption & Transformation Losses at Generator end	-0.02%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.43	132kV KHP - Nangkor Line	50.44	All Units & Feeders are in Service.
		Unit-II	16.60	132kV KHP - Kilikhar Line	14.72	
		Unit-III	16.42	5MVA, 132/11kV TFR	0.33	
		Unit-IV	16.59	132kV Motanga - Rangla Line	69.42	
		Total	66.04	Auxiliary Consumption & Transformation Losses at Generator end	0.83%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.82	132kV NHP-MHP-I	64.41	All Units & Feeders are in Service.
		Unit-II	64.87	132kV NHP-MHP-II	64.43	
		Total	129.69	Auxiliary Consumption & Transformation Losses at Generator end	0.66%	
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	5.07	-	-	
		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	14.48	Unit-I under Shutdown.
		Unit-II	16.00	5MVA, 132/33kV TFR	1.28	
		Total	16.00	Auxiliary Consumption & Transformation Losses at Generator end	1.50%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	13.90	132kV BSHP-Panbang	48.83	All Units & Feeders are in Service.
		Unit-II	27.22	132kV BSHP-Tintibi	-8.09	
		Total	41.12	Auxiliary Consumption & Transformation Losses at Generator end	0.92%	

Note: Generation-Load Summary (MW) for 24-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)	2,830.49	1,519.20	1,311.29

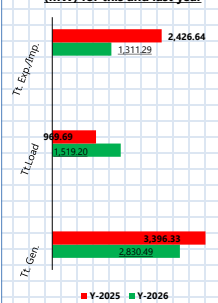
Note: Generation-Load Summary (MW) for 24-Jun-2025, at 19:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,396.33	969.69	2,426.64

Note: Daily Energy (MUS) and Power(MW) Statistics for 24-Jun-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	69.62	35.07	0.00	33.09	1,146.13

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. ii) 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.