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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 10-Jun-2026(+ve:import, -ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	June 9, 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	115.61	400kV THP - Siliguri Line - I	58.76	Unit-II & III on Standby All Feeders are in Service.
		Unit-II	0.00	400kV THP - Siliguri Line - II	57.12	
		Unit-III	0.00	400kV THP - Norbugang - IV	134.20	
		Unit-IV	140.50	400kV THP - Malbase Line - III	270.50	
		Unit-V	151.04	400kV Malbase - Siliguri Line	6.86	
		Unit-VI	118.32	400kV Norbugang-Siliguri Line	-36.36	
		Total	525.47	Auxiliary Consumption & Transformation Losses at Generator end	0.93%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	159.77	400kV MHP - Jigmeling Line - I	202.58	400kV MHP-JLG line- II tripped and on Line-Patrolling.
		Unit-II	141.13	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	150.44	400kV MHP - Jigmeling Line - III	209.76	
		Unit-IV	170.29	400kV MHP - Jigmeling Line - IV	209.68	
		-	-	220kV Jigmeling - BitDeer Line - I	159.45	
		-	-	220kV Jigmeling - BitDeer Line - II	145.71	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	404.00	
		-	-	400kV Jigmeling - Alipurdhar Line - I	174.55	
		-	-	400kV Jigmeling - Alipurdhar Line - II	173.09	
		-	-	80MVA, 220/132kV ICT - I (HV)	50.12	
		-	-	80MVA, 220/132kV ICT - II (HV)	49.65	
		-	-	132kV MHP - Yurmo Line - II	57.77	
		-	-	132kV MHP - Tintibi Line	0.96	
		-	-	132kV Gelephu - Salakati Line	-35.77	
		Total	621.63	Auxiliary Consumption & Transformation Losses at Generator end	0.05%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	186.40	400kV PHP II - Jigmeling - I	68.50	Unit-II under Shutdown. Unit-VI & III under AMP.
		Unit-II	0.00	400kV PHP II - Jigmeling - II	68.12	
		Unit-III	0.00	400kV PHP II - Alipurdhar - I	212.48	
		Unit-IV	182.38	400kV PHP II - Alipurdhar - II	212.56	
		Unit-V	187.07	-	-	
		Unit-VI	0.00	-	-	
		Total	555.85	Auxiliary Consumption & Transformation Losses at Generator end	-1.05%	
4	4 x 84 MW CHP (Chukha)	Unit-I	60.49	220kV CHP - Birpara Line - I	-35.40	All Feeders are in Service. Unit-IV on Standby
		Unit-II	90.88	220kV CHP - Birpara Line - II	-35.37	
		Unit-III	59.68	220kV CHP - Gedu	39.25	
		Unit-IV	0.00	220kV CHP - Jamjee - I	80.77	
		-	-	220kV CHP - Jamjee - II	79.00	
		-	-	220kV CHP - Jamjee - III	77.22	
		-	-	220kV Malbase - Birpara Line	-45.86	
		-	-	66kV CHP - Gedu Line	5.27	
		Total	211.05	Auxiliary Consumption & Transformation Losses at Generator end	0.15%	
5	2 x 12 MW BHP (U/S) (Basochu)	Unit-I	4.04	220kV BHP - Semtokha Line	63.20	All Units and Feeders are in Service.
		Unit-II	3.11	66kV BHP - Lobeysa Line	19.96	
		Total	7.15	220kV BHP - Tsirang Line	-60.73	
6	2 x 20 MW BHP (L/S) (Basochu)	Unit-I	7.66	5MVA, 66/11kV TFR	0.41	All Units and Feeders are in Service.
		Unit-II	7.67	30MVA ICT, 220/66kV (HV)	13.33	
		Total	15.33	Auxiliary Consumption & Transformation Losses at Generator end	-1.60%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	28.42	220kV DHP - Tsirang Line	0.00	Unit-II on Standby. 220kV DHP-Tsirang line on Standby.
		Unit-II	0.00	220kV DHP - Dagapela Line	28.19	
		-	-	220kV BitDeer - Dagapela Line	19.65	
		-	-	5MVA, 220/33kV TFR	0.30	
		Total	28.42	Auxiliary Consumption & Transformation Losses at Generator end	-0.25%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	15.42	132kV KHP - Nangkor Line	50.95	All Units and Feeders are in Service.
		Unit-II	15.66	132kV KHP - Kilikhar Line	12.12	
		Unit-III	16.44	5MVA, 132/11kV TFR	0.41	
		Unit-IV	16.56	132kV Motanga - Rangia Line	27.49	
		Total	64.08	Auxiliary Consumption & Transformation Losses at Generator end	0.94%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	20.07	132kV NHP-MHP-I	29.65	Units and Feeders are in Service.
		Unit-II	40.03	132kV NHP-MHP-II	29.76	
		Total	60.10	Auxiliary Consumption & Transformation Losses at Generator end	1.15%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	0.00	66kV SHP-Damdhum (Samtse)	0.00	Both the units are under Shutdown. Interim measure: Evacuation is through 33kV System.
		Unit-II	0.00	-	-	
		Total	0.00	Auxiliary Consumption & Transformation Losses at Generator end	0.00%	
11	17.38 MWp SSP (Sephu Solar Plant)	Inverter-1	0.29	33kV SSP-Wangdue	1.23	All Inverters & Feeders are in Service.
		Inverter-2	0.46	33kV SSP-Trongsa	1.13	
		Inverter-3	0.48	-	-	
		Inverter-4	0.63	-	-	
		Inverter-5	0.51	-	-	
		Total	2.36	Auxiliary Consumption & Transformation Losses at Generator end	0.00%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	14.98	Unit-I on Standby.
		Unit-II	16.01	5MVA, 132/33kV TFR	0.80	
		Total	16.01	Auxiliary Consumption & Transformation Losses at Generator end	1.44%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	16.68	Test charge not yet done for Unit-I.
		Unit-II	27.43	132kV BSHP-Tintibi	10.42	
		Total	27.43	Auxiliary Consumption & Transformation Losses at Generator end	1.20%	

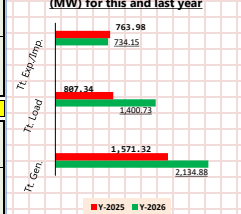
Note: Generation-Load Summary (MW) for 09-Jun-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,134.88	1,400.73	734.15

Note: Generation-Load Summary (MW) for 09-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)	1,571.32	807.34	763.98

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 10-Jun-2026(-ve:import,+ve:export)						
Report	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	June 9, 2025	19:00:00			09-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	136.51	400kV THP - Siliguri Line - I	58.83	Unit-III & Unit-II on Standby. All Feeders are in Service.
		Unit-II	0.00	400kV THP - Siliguri Line - II	57.85	
		Unit-III	0.00	400kV THP - Norbugang Line - IV	146.11	
		Unit-IV	150.39	400kV THP - Malbase Line - III	302.62	
		Unit-V	130.20	400kV Malbase - Siliguri Line	2.18	
		Unit-VI	148.73	400kV Norbugang-Siliguri Line	-20.08	
		Total	565.83	Auxiliary Consumption & Transformation Losses at Generator end	0.07%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	138.85	400kV MHP - Jigmeling Line - I	166.75	400kV MHP-JLG line- II tripped and on Line- Patrolling.
		Unit-II	70.87	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	150.52	400kV MHP - Jigmeling Line - III	172.79	
		Unit-IV	150.63	400kV MHP - Jigmeling Line - IV	172.51	
		-	-	220kV Jigmeling - BitDeer Line - I	169.79	
		-	-	220kV Jigmeling - BitDeer Line - II	154.78	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	426.55	
		-	-	400kV Jigmeling - Aliparduar Line - I	132.36	
		-	-	400kV Jigmeling - Aliparduar Line - II	132.36	
		-	-	80MVA, 220/132kV ICT - I (HV)	50.51	
		-	-	80MVA, 220/132kV ICT - II (HV)	50.24	
		-	-	132kV MHP - Yurno Line - II	61.02	
		-	-	132kV MHP - Tintibi Line	22.43	
		-	-	132kV Gelephu - Salakati Line	-27.62	
		Total	510.87	Auxiliary Consumption & Transformation Losses at Generator end	1.13%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	186.40	400kV PHP II - Jigmeling -I	95.60	Unit II under Shutdown. Unit-VI & III under AMP.
		Unit-II	0.00	400kV PHP II - Jigmeling -II	94.83	
		Unit-III	0.00	400kV PHP II - Aliparduar -I	185.61	
		Unit-IV	186.51	400kV PHP II - Aliparduar -II	185.53	
		Unit-V	187.41	-	-	
		Unit-VI	0.00	-	-	
		Total	560.32	Auxiliary Consumption & Transformation Losses at Generator end	-0.22%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	73.76	220kV CHP - Birpara Line - I	-26.16	All Feeders are in Service. Unit-IV on standby
		Unit-II	90.84	220kV CHP - Birpara Line - II	-25.89	
		Unit-III	74.59	220kV CHP - Gedu	25.42	
		Unit-IV	0.00	220kV CHP - Jamjee - I	88.53	
		-	-	220kV CHP - Jamjee - II	87.44	
		-	-	220kV CHP - Jamjee - III	84.52	
		-	-	220kV Malbase - Birpara Line	-20.31	
		-	-	66kV CHP - Gedu Line	5.44	
		Total	239.19	Auxiliary Consumption & Transformation Losses at Generator end	-0.05%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	3.44	220kV BHP - Sertokha Line	54.33	All Units & Feeders are in Service.
		Unit-II	3.28	66kV BHP - Lobeysa Line	22.26	
		Total	6.72	220kV BHP - Tsirang Line	-51.64	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	9.26	5MVA, 66/11kV TFR	0.65	
		Unit-II	9.13	30MVA ICT, 220/66kV (HV)	15.70	
		Total	18.39	Auxiliary Consumption & Transformation Losses at Generator end	-1.95%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	26.87	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby. Unit-II on Standby.
		Unit-II	0.00	220kV DHP - Dagapela Line	26.42	
		-	-	220kV BitDeer - Dagapela Line	21.37	
		-	-	5MVA, 220/33kV TFR	0.50	
		Total	26.87	Auxiliary Consumption & Transformation Losses at Generator end	-0.19%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.56	132kV KHP - Nangkor Line	50.37	All Units & Feeders are in Service.
		Unit-II	16.52	132kV KHP - Kilikhar Line	14.76	
		Unit-III	16.48	5MVA, 132/11kV TFR	0.50	
		Unit-IV	16.50	132kV Motanga - Rangla Line	36.00	
		Total	66.06	Auxiliary Consumption & Transformation Losses at Generator end	0.65%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	46.07	132kV NHP-MHP-I	45.19	All Units & Feeders are in Service.
		Unit-II	44.85	132kV NHP-MHP-II	45.22	
		Total	90.92	Auxiliary Consumption & Transformation Losses at Generator end	0.56%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.00	66kV SHP-Damdum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.
		Unit-II	5.02	-	-	
		Total	10.02	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	16.01	5MVA, 132/33kV TFR	1.30	
		Total	16.01	Auxiliary Consumption & Transformation Losses at Generator end	1.44%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	16.68	Test charge not yet done for Unit-I.
		Unit-II	27.43	132kV BSHP-Tintibi	10.42	
		Total	27.43	Auxiliary Consumption & Transformation Losses at Generator end	1.20%	

Note: Generation-Load Summary (MW) for 09-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)	2,138.63	1,467.97	670.66

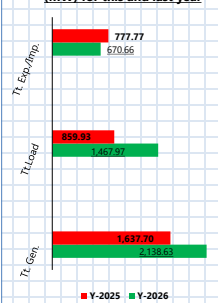
Note: Generation-Load Summary (MW) for 09-Jun-2025, at 19:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	1,637.70	859.93	777.77

Note: Daily Energy (MUS) and Power(MW) Statistics for 09-Jun-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	48.84	34.00	0.00	14.70	754.28

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.