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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 01-Jun-2026(+ve:import, -ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	May 31, 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	60.69	400kV THP - Siliguri Line - I	63.79	All Units & Feeders are in Service.
		Unit-II	100.99	400kV THP - Siliguri Line - II	62.70	
		Unit-III	99.07	400kV THP - Norbugang - IV	141.17	
		Unit-IV	95.56	400kV THP - Malbase Line - III	283.38	
		Unit-V	101.21	400kV Malbase - Siliguri Line	10.57	
		Unit-VI	98.28	400kV Norbugang-Siliguri Line	4.89	
		Total	555.80	Auxiliary Consumption & Transformation Losses at Generator end	0.86%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	50.21	400kV MHP - Jigmeling Line - I	118.39	400kV MHP-JLG line- III on Standby.
		Unit-II	51.27	400kV MHP - Jigmeling Line - II	117.79	
		Unit-III	87.26	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	163.39	400kV MHP - Jigmeling Line - IV	114.98	
		-	-	220kV Jigmeling - BitDeer Line - I	168.84	
		-	-	220kV Jigmeling - BitDeer Line - II	153.95	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	428.73	
		-	-	400kV Jigmeling - Alipurduar Line - I	56.00	
		-	-	400kV Jigmeling - Alipurduar Line - II	54.55	
		-	-	80MVA, 220/132kV ICT - I (HV)	53.61	
		-	-	80MVA, 220/132kV ICT - II (HV)	53.10	
		-	-	132kV MHP - Yurmo Line - II	24.63	
		-	-	132kV MHP - Tintibi Line	24.55	
		-	-	132kV Gelephu - Salakati Line	-35.38	
		Total	352.13	Auxiliary Consumption & Transformation Losses at Generator end	0.42%	
		Unit-I	132.50	400kV PHP II - Jigmeling - I	96.78	Unit-VI & III under AMP, Unit-V on Standby.
		Unit-II	129.51	400kV PHP II - Jigmeling - II	96.02	
		Unit-III	0.00	400kV PHP II - Alipurduar - I	105.31	
		Unit-IV	138.59	400kV PHP II - Alipurduar - II	105.23	
		Unit-V	0.00	-	-	
		Unit-VI	0.00	-	-	
		Total	400.60	Auxiliary Consumption & Transformation Losses at Generator end	-0.68%	
4	4 x 84 MW CHP (Chukha)	Unit-I	51.61	220kV CHP - Birpara Line - I	-24.80	All Units & Feeders are in Service.
		Unit-II	91.18	220kV CHP - Birpara Line - II	-24.62	
		Unit-III	52.74	220kV CHP - Gedu	-8.11	
		Unit-IV	53.82	220kV CHP - Jamjee - I	101.45	
		-	-	220kV CHP - Jamjee - II	99.20	
		-	-	220kV CHP - Jamjee - III	96.05	
		-	-	220kV Malbase - Birpara Line	6.51	
		-	-	66kV CHP - Gedu Line	7.72	
		Total	249.35	Auxiliary Consumption & Transformation Losses at Generator end	0.99%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	3.50	220kV BHP - Semtokha Line	12.63	All Units & Feeders are in Service.
		Unit-II	3.80	66kV BHP - Lobeysa Line	16.01	
		Total	7.30	220kV BHP - Tsirang Line	-8.08	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	6.90	5MVA, 66/11kV TFR	0.27	All Units & Feeders are in Service.
		Unit-II	7.04	30MVA ICT, 220/66kV (HV)	9.82	
		Total	13.94	Auxiliary Consumption & Transformation Losses at Generator end	1.93%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	25.38	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby, Unit-II on Standby.
		Unit-II	0.00	220kV DHP - Dagapela Line	25.12	
		-	-	220kV BitDeer - Dagapela Line	-24.48	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	25.38	Auxiliary Consumption & Transformation Losses at Generator end	0.24%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	11.33	132kV KHP - Nangkhor Line	37.40	All Units & Feeders are in Service.
		Unit-II	11.30	132kV KHP - Kilikhar Line	7.31	
		Unit-III	11.34	5MVA, 132/11kV TFR	0.27	
		Unit-IV	11.35	132kV Motanga - Rangja Line	20.09	
		Total	45.32	Auxiliary Consumption & Transformation Losses at Generator end	0.75%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	24.98	132kV NHP-MHP-I	24.85	All Units & Feeders are in Service.
		Unit-II	24.99	132kV NHP-MHP-II	24.83	
		Total	49.97	Auxiliary Consumption & Transformation Losses at Generator end	0.58%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	0.00	66kV SHP-Damdhum (Samtse)	0.00	Unit-I & II 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	1.84	33kV SSP-Wangdue	8.10	All Inverters & Feeders are in Service.
		Inverter-2	3.18	33kV SSP-Trongsa	7.46	
		Inverter-3	3.10	-	-	
		Inverter-4	4.04	-	-	
		Inverter-5	3.43	-	-	
		Total	15.58	Auxiliary Consumption & Transformation Losses at Generator end	0.15%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	4.26	132kV YHP-Kilikhar	14.04	All Units & Feeders are in Service.
		Unit-II	10.61	5MVA, 132/33kV TFR	0.56	
		Total	14.87	Auxiliary Consumption & Transformation Losses at Generator end	1.82%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	18.37	Test charge not yet done for Unit-I.
		Unit-II	25.57	132kV BSHP-Tintibi	6.89	
		Total	25.57	Auxiliary Consumption & Transformation Losses at Generator end	1.21%	

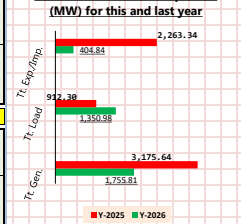
Note: Generation-Load Summary (MW) for 31-May-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	1,755.81	1,350.98	404.84

Note: Generation-Load Summary (MW) for 31-May-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)	3,175.64	912.30	2,263.34

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 01-Jun-2026(+ve:import,+ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	May 31, 2026	19:00:00			08-Nov-25	19:03:00
						1,477.08
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	6 x 170 MW THP (Tala)	Unit-I	78.72	400kV THP - Siliguri Line - I	53.14	Unit V on Standby.
		Unit-II	138.95	400kV THP - Siliguri Line - II	53.10	
		Unit-III	138.28	400kV THP - Norbugang Line - IV	136.23	
		Unit-IV	95.55	400kV THP - Malbase Line - III	279.48	
		Unit-V	0.00	400kV Malbase - Siliguri Line	-1.17	
		Unit-VI	98.29	400kV Norbugang-Siliguri Line	-21.84	
		Total	525.71	Auxiliary Consumption & Transformation Losses at Generator end	0.72%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	58.83	400kV MHP - Jigmeling Line - I	118.22	400kV MHP-JLG line-III on Standby.
		Unit-II	49.78	400kV MHP - Jigmeling Line - II	117.70	
		Unit-III	87.27	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	163.07	400kV MHP - Jigmeling Line - IV	114.96	
		-	-	220kV Jigmeling - BitDeer Line - I	173.10	
		-	-	220kV Jigmeling - BitDeer Line - II	157.69	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	435.64	
		-	-	400kV Jigmeling - Alipurdwar Line - I	52.36	
		-	-	400kV Jigmeling - Alipurdwar Line - II	51.00	
		-	-	80MVA, 220/132kV ICT - I (HV)	53.02	
		-	-	80MVA, 220/132kV ICT - II (HV)	52.58	
		-	-	132kV MHP - Yumo Line - II	24.76	
		-	-	132kV MHP - Tintibi Line	24.34	
		-	-	132kV Gelephu - Salakati Line	-50.52	
		Total	350.95	Auxiliary Consumption & Transformation Losses at Generator end	0.16%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	133.00	400kV PHP II - Jigmeling -I	96.45	Unit -III & VI under AMP. Unit V on Standby
		Unit-II	130.14	400kV PHP II - Jigmeling -II	95.59	
		Unit-III	0.00	400kV PHP II - Alipurdwar -I	101.36	
		Unit-IV	128.68	400kV PHP II - Alipurdwar -II	101.73	
		Unit-V	0.00	-	-	
		Unit-VI	0.00	-	-	
		Total	391.82	Auxiliary Consumption & Transformation Losses at Generator end	-0.84%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	48.85	220kV CHP - Birpara Line - I	-27.18	All Units & Feeders are in Service.
		Unit-II	91.06	220kV CHP - Birpara Line - II	-26.66	
		Unit-III	49.69	220kV CHP - Gedu	4.81	
		Unit-IV	49.73	220kV CHP - Jamjee - I	96.51	
		-	-	220kV CHP - Jamjee - II	95.90	
		-	-	220kV CHP - Jamjee - III	92.32	
		-	-	220kV Malbase - Birpara Line	-5.64	
		-	-	66kV CHP - Gedu Line	2.33	
		Total	239.33	Auxiliary Consumption & Transformation Losses at Generator end	0.54%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	0.00	220kV BHP - Sertokha Line	30.29	U/S Unit I and L/S Unit II on Standby.
		Unit-II	6.80	66kV BHP - Lobeysa Line	20.33	
		Total	6.80	220kV BHP - Tsirang Line	-34.07	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	10.47	5MVA, 66/11kV TFR	0.56	
		Unit-II	0.00	30MVA ICT, 220/66kV (HV)	14.33	
		Total	10.47	Auxiliary Consumption & Transformation Losses at Generator end	0.93%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	25.17	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby. Unit-II on Standby.
		Unit-II	0.00	220kV DHP - Dagapela Line	25.00	
		-	-	220kV BitDeer - Dagapela Line	24.96	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	25.17	Auxiliary Consumption & Transformation Losses at Generator end	-0.12%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	12.08	132kV KHP - Nangkor Line	37.25	All Units & Feeders are in Service.
		Unit-II	12.07	132kV KHP - Kilikhar Line	10.42	
		Unit-III	12.09	5MVA, 132/11kV TFR	0.34	
		Unit-IV	12.11	132kV Motanga - Rangla Line	16.50	
		Total	48.35	Auxiliary Consumption & Transformation Losses at Generator end	0.70%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	25.02	132kV NHP-MHP-I	24.80	All Units & Feeders are in Service.
		Unit-II	25.02	132kV NHP-MHP-II	24.80	
		Total	50.04	Auxiliary Consumption & Transformation Losses at Generator end	0.88%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	0.00	66kV SHP-Damdhum (Samtse)	0.00	Unit I under Shutdown. Interim measure: Evacuation is through 33kV System.
		Unit-II	5.08	-	-	
		Total	5.08	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	4.23	132kV YHP-Kilikhar	12.77	All Units & Feeders are in Service.
		Unit-II	10.01	5MVA, 132/33kV TFR	1.24	
		Total	14.24	Auxiliary Consumption & Transformation Losses at Generator end	1.62%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	22.64	Test charge not yet done for Unit-I.
		Unit-II	27.49	132kV BSHP-Tintibi	4.46	
		Total	27.49	Auxiliary Consumption & Transformation Losses at Generator end	1.42%	

Note: Generation-Load Summary (MW) for 31-May-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)	1,695.45	1,399.27	296.18

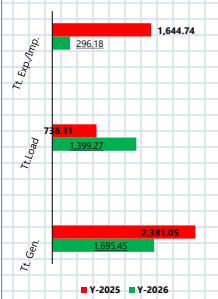
Note: Generation-Load Summary (MW) for 31-May-2025, at 19:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,381.05	736.31	1,644.74

Note: Daily Energy (MUS) and Power(MW) Statistics for 31-May-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	42.80	33.15	0.00	9.42	696.53

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.