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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-May-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	May 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	144.55	400kV THP - Siliguri Line - I	119.77	All Units & Feeders are in Service.
		Unit-II	121.00	400kV THP - Siliguri Line - II	117.97	
		Unit-III	130.07	400kV THP - Norbugang - IV	171.15	
		Unit-IV	120.48	400kV THP - Malbase Line - III	336.20	
		Unit-V	135.21	400kV Malbase - Siliguri Line	61.51	
		Unit-VI	100.26	400kV Norbugang-Siliguri Line	30.03	
		Total	751.57	Auxiliary Consumption & Transformation Losses at Generator end	0.86%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	72.09	400kV MHP - Jigmeling Line - I	185.40	400kV MHP-JLG line- III on standby.
		Unit-II	135.31	400kV MHP - Jigmeling Line - II	184.87	
		Unit-III	145.00	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	197.85	400kV MHP - Jigmeling Line - IV	180.93	
		-	-	220kV Jigmeling - BitDeer Line - I	187.79	
		-	-	220kV Jigmeling - BitDeer Line - II	180.55	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	445.09	
		-	-	400kV Jigmeling - Alipurdhar Line - I	176.73	
		-	-	400kV Jigmeling - Alipurdhar Line - II	175.27	
		-	-	80MVA, 220/132kV ICT - I (HV)	39.07	
		-	-	80MVA, 220/132kV ICT - II (HV)	38.66	
		-	-	132kV MHP - Yurmo Line - II	31.38	
		-	-	132kV MHP - Tintibi Line	31.93	
		-	-	132kV Gelephu - Salakati Line	-36.61	
		Total	551.05	Auxiliary Consumption & Transformation Losses at Generator end	0.18%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	187.00	400kV PHP II - Jigmeling - I	127.76	Unit- V & VI under AMP.
		Unit-II	185.91	400kV PHP II - Jigmeling - II	127.30	
		Unit-III	185.27	400kV PHP II - Alipurdhar - I	245.07	
		Unit-IV	185.55	400kV PHP II - Alipurdhar - II	245.04	
		Unit-V	0.00	-	-	
		Unit-VI	0.00	-	-	
		Total	743.73	Auxiliary Consumption & Transformation Losses at Generator end	-0.19%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.43	220kV CHP - Birpara Line - I	-42.89	Unit-II & III under Shutdown (Annual Maintenance).
		Unit-II	0.00	220kV CHP - Birpara Line - II	-42.18	
		Unit-III	0.00	220kV CHP - Gedu	5.59	
		Unit-IV	91.63	220kV CHP - Jamjee - I	86.81	
		-	-	220kV CHP - Jamjee - II	83.00	
		-	-	220kV CHP - Jamjee - III	83.17	
		-	-	220kV Malbase - Birpara Line	-31.42	
		-	-	66kV CHP - Gedu Line	6.08	
		Total	183.06	Auxiliary Consumption & Transformation Losses at Generator end	1.90%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	4.90	220kV BHP - Semtokha Line	57.89	All Units & Feeders are in Service.
		Unit-II	5.50	66kV BHP - Lobeysa Line	19.60	
		Total	10.40	220kV BHP - Tsirang Line	-49.15	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	9.37	5MVA, 66/11kV TFR	0.35	All Units & Feeders are in Service.
		Unit-II	9.09	30MVA ICT, 220/66kV (HV)	10.08	
		Total	18.46	Auxiliary Consumption & Transformation Losses at Generator end	0.59%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	0.00	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on standby. Unit-I under Shutdown.
		Unit-II	31.48	220kV DHP - Dagapela Line	31.00	
		-	-	220kV BitDeer - Dagapela Line	18.87	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	31.48	Auxiliary Consumption & Transformation Losses at Generator end	0.89%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.50	132kV KHP - Nangkor Line	60.52	All Units & Feeders are in Service.
		Unit-II	16.46	132kV KHP - Kilikhar Line	4.82	
		Unit-III	16.60	5MVA, 132/11kV TFR	0.27	
		Unit-IV	16.66	132kV Motanga - Rangja Line	31.69	
		Total	66.22	Auxiliary Consumption & Transformation Losses at Generator end	0.92%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	0.00	132kV NHP-MHP-I	0.00	All Units & Feeders are in Service.
		Unit-II	64.82	132kV NHP-MHP-II	64.47	
		Total	64.82	Auxiliary Consumption & Transformation Losses at Generator end	0.54%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	0.00	66kV SHP-Damdhum (Samtse)	0.00	Both the units took 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	0.42	33kV SSP-Wangdue	6.45	All Inverters & Feeders are in Service. 33kV SSP-Trongsa under shutdown
		Inverter-2	1.46	33kV SSP-Trongsa	0.00	
		Inverter-3	1.29	-	-	
		Inverter-4	1.76	-	-	
		Inverter-5	1.51	-	-	
		Total	6.43	Auxiliary Consumption & Transformation Losses at Generator end	-0.31%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	9.86	132kV YHP-Kilikhar	24.64	Unit-I under trial run.
		Unit-II	16.01	5MVA, 132/33kV TFR	0.91	
		Total	25.87	Auxiliary Consumption & Transformation Losses at Generator end	1.24%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	-0.13	Test charge not yet done for Unit-I.
		Unit-II	15.34	132kV BSHP-Tintibi	15.24	
		Total	15.34	Auxiliary Consumption & Transformation Losses at Generator end	1.50%	

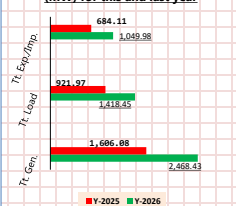
Note: Generation-Load Summary (MW) for 24-May-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,468.43	1,418.45	1,049.98

Note: Generation-Load Summary (MW) for 24-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)	1,606.08	921.97	684.11

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-May-2026(-ve:import, +ve:export)							
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time	Load
	May 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	140.06	400kV THP - Siliguri Line - I	133.52	All Units & Feeders are in Service.	
		Unit-II	140.94	400kV THP - Siliguri Line - II	132.22		
		Unit-III	140.17	400kV THP - Norbugang Line - IV	166.76		
		Unit-IV	123.48	400kV THP - Malbase Line - III	396.96		
		Unit-V	135.22	400kV Malbase - Siliguri Line	65.36		
		Unit-VI	150.20	400kV Norbugang-Siliguri Line	48.48		
		Total	830.07	Auxiliary Consumption & Transformation Losses at Generator end	0.07%		
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	84.85	400kV MHP - Jigmeling Line - I	170.02	400kV MHP-JLG line-III under shutdown.	
		Unit-II	142.22	400kV MHP - Jigmeling Line - II	169.83		
		Unit-III	81.18	400kV MHP - Jigmeling Line - III	0.00		
		Unit-IV	197.84	400kV MHP - Jigmeling Line - IV	166.03		
		-	-	220kV Jigmeling - BitDeer Line - I	189.05		
		-	-	220kV Jigmeling - BitDeer Line - II	160.39		
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	444.36		
		-	-	400kV Jigmeling - Alipurdur Line - I	162.18		
		-	-	400kV Jigmeling - Alipurdur Line - II	160.73		
		-	-	80MVA, 220/132kV ICT - I (HV)	48.35		
		-	-	80MVA, 220/132kV ICT - II (HV)	47.84		
		-	-	132kV MHP - Yumo Line - II	38.63		
		-	-	132kV MHP - Tintibi Line	38.50		
		-	-	132kV Gelephu - Salakati Line	-35.72		
		Total	506.09	Auxiliary Consumption & Transformation Losses at Generator end	0.50%		
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	187.00	400kV PHP II - Jigmeling -I	135.30	Unit -V & VI under AMP.	
		Unit-II	183.78	400kV PHP II - Jigmeling -II	134.52		
		Unit-III	188.05	400kV PHP II - Alipurdur -I	234.98		
		Unit-IV	184.74	400kV PHP II - Alipurdur -II	234.72		
		Unit-V	0.00	-	-		
		Unit-VI	0.00	-	-		
		Total	743.57	Auxiliary Consumption & Transformation Losses at Generator end	0.54%		
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.43	220kV CHP - Birpara Line - I	-43.45	Unit-II & III under Shutdown (Annual Maintenance).	
		Unit-II	0.00	220kV CHP - Birpara Line - II	-42.77		
		Unit-III	0.00	220kV CHP - Gedu	-1.85		
		Unit-IV	91.63	220kV CHP - Jamjee - I	88.96		
		-	-	220kV CHP - Jamjee - II	88.26		
		-	-	220kV CHP - Jamjee - III	85.44		
		-	-	220kV Malbase - Birpara Line	-27.54		
		-	-	66kV CHP - Gedu Line	6.69		
		Total	183.06	Auxiliary Consumption & Transformation Losses at Generator end	0.97%		
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	4.19	220kV BHP - Semtokha Line	68.57	All Units & Feeders are in Service	
		Unit-II	4.50	66kV BHP - Lobeysa Line	23.89		
		Total	8.69	220kV BHP - Tsirang Line	-67.75		
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	8.00	5MVA, 66/11kV TFR	0.72	All Units & Feeders are in Service	
		Unit-II	8.40	30MVA ICT, 220/66kV (HV)	15.97		
		Total	16.40	Auxiliary Consumption & Transformation Losses at Generator end	-1.36%		
7	2 x 63 MW DHP (Dagachhu)	Unit-I	0.00	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on standby. DHP Unit-I on standby	
		Unit-II	34.55	220kV DHP - Dagapela Line	34.53		
		-	-	220kV BitDeer - Dagapela Line	15.42		
		-	-	5MVA, 220/33kV TFR	0.50		
		Total	34.55	Auxiliary Consumption & Transformation Losses at Generator end	-1.39%		
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.53	132kV KHP - Nangkhor Line	51.63	All Units & Feeders are in Service.	
		Unit-II	16.50	132kV KHP - Kilikhar Line	13.70		
		Unit-III	16.50	5MVA, 132/11kV TFR	0.36		
		Unit-IV	16.64	132kV Motanga - Rangia Line	32.39		
		Total	66.17	Auxiliary Consumption & Transformation Losses at Generator end	0.73%		
9	2 x 59 MW NHP (Nikachhu)	Unit-I	25.02	132kV NHP-MHP-I	24.76	All Units & Feeders are in Service.	
		Unit-II	55.03	132kV NHP-MHP-II	54.67		
		Total	80.05	Auxiliary Consumption & Transformation Losses at Generator end	0.77%		
10	2 x 9 MW SHP (Suchhu)	Unit-I	0.00	66kV SHP-Damdhum (Samtse)	0.00	Both the units opened for shutdown at 08:00hrs. Interim measure: Evacuation is through 33kV System.	
		Unit-II	0.00	-	-		
		Total	0.00	Auxiliary Consumption & Transformation Losses at Generator end	0.00%		
11	2 x 16 MW YHP (Yungichhu)	Unit-I	5.28	132kV YHP-Kilikhar	15.54	All Units & Feeders are in Service.	
		Unit-II	12.00	5MVA, 132/33kV TFR	1.46		
		Total	17.28	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	27.58	Test charge not yet done for Unit-I.	
		Unit-II	15.63	132kV BSHP-Tintibi	-12.14		
		Total	15.63	Auxiliary Consumption & Transformation Losses at Generator end	1.22%		

Note: Generation-Load Summary (MW) for 24-May-2026 at 18:00 hrs

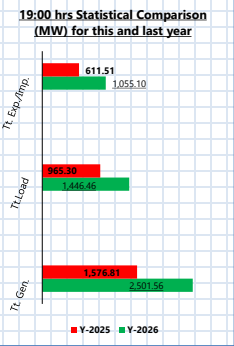
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,501.56	1,446.46	1,055.10

Note: Generation-Load Summary (MW) for 24-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)	1,576.81	965.30	611.51

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

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	25.93	33.51	0.00	22.87	1,487.10



1. 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.