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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 24-May-2026(-ve:import, +ve:export)						
Report	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	May 23, 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	187.60	400kV THP - Siliguri Line - I	203.41	All Units & Feeders are in Service.
		Unit-II	187.81	400kV THP - Siliguri Line - II	201.47	
		Unit-III	187.13	400kV THP - Norbugang - IV	245.05	
		Unit-IV	185.72	400kV THP - Malbase Line - III	463.51	
		Unit-V	186.50	400kV Malbase - Siliguri Line	128.59	
		Unit-VI	187.13	400kV Norbugang-Siliguri Line	82.00	
		Total	1,121.89	Auxiliary Consumption & Transformation Losses at Generator end	0.75%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.67	400kV MHP - Jigmeling Line - I	0.00	Unit-III & IV on Standby. 400kV MHP-JLG line-I & III under Shutdown.
		Unit-II	197.69	400kV MHP - Jigmeling Line - II	197.00	
		Unit-III	0.00	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	0.00	400kV MHP - Jigmeling Line - IV	198.40	
		-	-	220kV Jigmeling - BitDeer Line - I	189.85	
		-	-	220kV Jigmeling - BitDeer Line - II	176.27	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	432.36	
		-	-	400kV Jigmeling - Alipurduar Line - I	132.36	
		-	-	400kV Jigmeling - Alipurduar Line - II	131.64	
		-	-	80MVA, 220/132kV ICT - I (HV)	33.62	
		-	-	80MVA, 220/132kV ICT - II (HV)	33.46	
		-	-	132kV MHP - Yurmo Line - II	42.92	
		-	-	132kV MHP - Tintibi Line	44.32	
		-	-	132kV Gelephu - Salakati Line	-28.38	
		Total	395.36	Auxiliary Consumption & Transformation Losses at Generator end	0.26%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	183.90	400kV PHP II - Jigmeling - I	156.73	Unit- V & VI under AMP.
		Unit-II	186.03	400kV PHP II - Jigmeling - II	156.12	
		Unit-III	184.44	400kV PHP II - Alipurduar - I	213.97	
		Unit-IV	182.99	400kV PHP II - Alipurduar - II	214.07	
		Unit-V	0.00	-	-	
		Unit-VI	0.00	-	-	
		Total	737.36	Auxiliary Consumption & Transformation Losses at Generator end	-0.48%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.43	220kV CHP - Birpara Line - I	-38.52	Unit-II & III under Shutdown (Annual Maintenance).
		Unit-II	0.00	220kV CHP - Birpara Line - II	-38.10	
		Unit-III	0.00	220kV CHP - Gedu	-15.88	
		Unit-IV	91.63	220kV CHP - Jamjee - I	91.66	
		-	-	220kV CHP - Jamjee - II	89.98	
		-	-	220kV CHP - Jamjee - III	87.76	
		-	-	220kV Malbase - Birpara Line	-5.69	
		-	-	66kV CHP - Gedu Line	5.64	
		Total	183.06	Auxiliary Consumption & Transformation Losses at Generator end	0.28%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	6.36	220kV BHP - Semtokha Line	48.17	All Units & Feeders are in Service.
		Unit-II	6.00	66kV BHP - Lobeysa Line	22.59	
		Total	12.36	220kV BHP - Tsirang Line	-35.77	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	11.17	5MVA, 66/11kV TFR	0.56	All Units & Feeders are in Service.
		Unit-II	12.00	30MVA ICT, 220/66kV (HV)	10.88	
		Total	23.17	Auxiliary Consumption & Transformation Losses at Generator end	-0.06%	
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	32.96	220kV DHP - Dagapela Line	28.49	
		-	-	220kV BitDeer - Dagapela Line	17.08	
		-	-	5MVA, 220/33kV TFR	0.27	
		Total	32.96	Auxiliary Consumption & Transformation Losses at Generator end	12.74%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.52	132kV KHP - Nangkor Line	55.87	All Units & Feeders are in Service.
		Unit-II	16.60	132kV KHP - Kilikhar Line	9.58	
		Unit-III	16.60	5MVA, 132/11kV TFR	0.27	
		Unit-IV	16.50	132kV Motanga - Rangja Line	38.35	
		Total	66.22	Auxiliary Consumption & Transformation Losses at Generator end	0.76%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	44.93	132kV NHP-MHP-I	44.66	All Units & Feeders are in Service.
		Unit-II	44.04	132kV NHP-MHP-II	43.65	
		Total	88.97	Auxiliary Consumption & Transformation Losses at Generator end	0.74%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	0.00	66kV SHP-Damdhum (Samtse)	0.00	Both the units tripped at 02:07hrs. 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	0.30	33kV SSP-Wangdue	1.26	All Inverters & Feeders are in Service.
		Inverter-2	0.49	33kV SSP-Trongsa	1.20	
		Inverter-3	0.48	-	-	
		Inverter-4	0.62	-	-	
		Inverter-5	0.58	-	-	
		Total	2.47	Auxiliary Consumption & Transformation Losses at Generator end	0.40%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	4.98	132kV YHP-Kilikhar	19.84	Unit-I under trial run.
		Unit-II	16.00	5MVA, 132/33kV TFR	0.85	
		Total	20.98	Auxiliary Consumption & Transformation Losses at Generator end	1.38%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	18.62	Test charge not yet done for Unit-I.
		Unit-II	27.44	132kV BSHP-Tintibi	8.50	
		Total	27.44	Auxiliary Consumption & Transformation Losses at Generator end	1.17%	

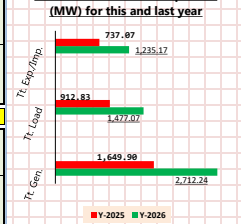
Note: Generation-Load Summary (MW) for 23-May-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,712.24	1,477.07	1,235.17

Note: Generation-Load Summary (MW) for 23-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)	1,649.90	912.83	737.07

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 24-May-2026(-ve:import, +ve:export)						
Report Details	Date	Time		National Coincidental Peak Load (MW)	Date	Time
	May 23, 2026	19:00:00			08-Nov-25	19:03:00
				Load		
				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	150.08	400kV THP - Siliguri Line - I	157.39	All Units & Feeders are in Service.
		Unit-II	172.26	400kV THP - Siliguri Line - II	156.00	
		Unit-III	147.18	400kV THP - Norbugang Line - IV	211.16	
		Unit-IV	140.42	400kV THP - Malbase Line - III	401.25	
		Unit-V	140.12	400kV Malbase - Siliguri Line	90.53	
		Unit-VI	175.14	400kV Norbugang-Siliguri Line	48.24	
		Total	925.20	Auxiliary Consumption & Transformation Losses at Generator end	-0.06%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	196.29	400kV MHP - Jigmeling Line - I	263.51	400kV MHP-JLG line-III under shutdown.
		Unit-II	197.64	400kV MHP - Jigmeling Line - II	263.08	
		Unit-III	190.47	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	197.23	400kV MHP - Jigmeling Line - IV	257.27	
		-	-	220kV Jigmeling - BitDeer Line - I	188.90	
		-	-	220kV Jigmeling - BitDeer Line - II	164.90	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	441.46	
		-	-	400kV Jigmeling - Alipurdwar Line - I	245.82	
		-	-	400kV Jigmeling - Alipurdwar Line - II	245.82	
		-	-	80MVA, 220/132kV ICT - I (HV)	44.66	
		-	-	80MVA, 220/132kV ICT - II (HV)	44.18	
		-	-	132kV MHP - Yumo Line - II	61.78	
		-	-	132kV MHP - Tintibi Line	64.62	
		-	-	132kV Gelephu - Salakati Line	-20.75	
		Total	781.63	Auxiliary Consumption & Transformation Losses at Generator end	-0.06%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	183.90	400kV PHP II - Jigmeling -I	79.13	Unit -V & VI under AMP.
		Unit-II	185.18	400kV PHP II - Jigmeling -II	78.66	
		Unit-III	186.38	400kV PHP II - Alipurdwar -I	292.16	
		Unit-IV	184.82	400kV PHP II - Alipurdwar -II	291.93	
		Unit-V	0.00	-	-	
		Unit-VI	0.00	-	-	
		Total	740.28	Auxiliary Consumption & Transformation Losses at Generator end	-0.22%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.43	220kV CHP - Birpara Line - I	-31.81	Unit-II & III under Shutdown (Annual Maintenance).
		Unit-II	0.00	220kV CHP - Birpara Line - II	-31.63	
		Unit-III	0.00	220kV CHP - Gedu	-3.82	
		Unit-IV	91.63	220kV CHP - Jamjee - I	82.73	
		-	-	220kV CHP - Jamjee - II	81.80	
		-	-	220kV CHP - Jamjee - III	78.96	
		-	-	220kV Malbase - Birpara Line	-7.15	
		-	-	66kV CHP - Gedu Line	5.71	
		Total	183.06	Auxiliary Consumption & Transformation Losses at Generator end	0.61%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	6.45	220kV BHP - Sertokha Line	87.17	All Units & Feeders are in Service
		Unit-II	5.10	66kV BHP - Lobeysa Line	24.93	
		Total	11.55	220kV BHP - Tsirang Line	-77.05	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	12.30	5MVA, 66/11kV TFR	0.74	
		Unit-II	11.74	30MVA ICT, 220/66kV (HV)	14.74	
		Total	24.04	Auxiliary Consumption & Transformation Losses at Generator end	-0.56%	
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	34.51	220kV DHP - Dagapela Line	34.49	
		-	-	220kV BitDeer - Dagapela Line	15.20	
		-	-	5MVA, 220/33kV TFR	0.50	
		Total	34.51	Auxiliary Consumption & Transformation Losses at Generator end	-1.39%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.59	132kV KHP - Nangkhor Line	50.14	All Units & Feeders are in Service.
		Unit-II	16.48	132kV KHP - Kilikhar Line	15.31	
		Unit-III	16.56	5MVA, 132/11kV TFR	0.38	
		Unit-IV	16.52	132kV Motanga - Rangia Line	41.42	
		Total	66.15	Auxiliary Consumption & Transformation Losses at Generator end	0.48%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.15	132kV NHP-MHP-I	63.61	All Units & Feeders are in Service.
		Unit-II	64.92	132kV NHP-MHP-II	64.54	
		Total	129.07	Auxiliary Consumption & Transformation Losses at Generator end	0.71%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	0.00	66kV SHP-Damdhum (Samtse)	0.00	Both the units tripped at 02:07hrs. 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	0.00	132kV YHP-Kilikhar	14.37	Unit-I under Shutdown.
		Unit-II	16.01	5MVA, 132/33kV TFR	1.41	
		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	35.62	Unit-II under Shutdown. Test charge not yet done for Unit-I.
		Unit-II	0.00	132kV BSHP-Tintibi	-35.65	
		Total	0.00	Auxiliary Consumption & Transformation Losses at Generator end	0.00%	

Note: Generation-Load Summary (MW) for 23-May-2026 at 18:00 hrs

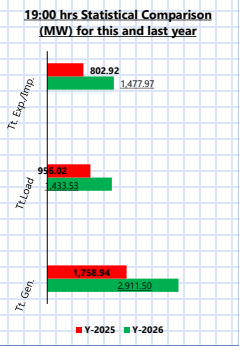
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,911.50	1,433.53	1,477.97

Note: Generation-Load Summary (MW) for 23-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)	1,758.94	956.02	802.92

Note: Daily Energy (MUS) and Power(MW) Statistics for 23-May-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	34.65	32.13	0.00	31.76	1,717.12



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.