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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 26-May-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	May 25, 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	139.54	400kV THP - Siliguri Line - I	115.90	All Units & Feeders are in Service.
		Unit-II	101.00	400kV THP - Siliguri Line - II	114.30	
		Unit-III	100.05	400kV THP - Norbugang - IV	152.10	
		Unit-IV	120.14	400kV THP - Malbase Line - III	288.03	
		Unit-V	115.27	400kV Malbase - Siliguri Line	67.86	
		Unit-VI	100.26	400kV Norbugang-Siliguri Line	48.48	
		Total	676.26	Auxiliary Consumption & Transformation Losses at Generator end	0.88%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	174.09	400kV MHP - Jigmeling Line - I	201.63	400kV MHP-JLG line- III on standby.
		Unit-II	144.67	400kV MHP - Jigmeling Line - II	201.17	
		Unit-III	85.24	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	196.34	400kV MHP - Jigmeling Line - IV	196.88	
		-	-	220kV Jigmeling - BitDeer Line - I	199.59	
		-	-	220kV Jigmeling - BitDeer Line - II	155.93	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	430.55	
		-	-	400kV Jigmeling - Alipurdhar Line - I	159.27	
		-	-	400kV Jigmeling - Alipurdhar Line - II	157.82	
		-	-	80MVA, 220/132kV ICT - I (HV)	38.14	
		-	-	80MVA, 220/132kV ICT - II (HV)	37.76	
		-	-	132kV MHP - Yurmo Line - II	31.47	
		-	-	132kV MHP - Tintibi Line	32.23	
		-	-	132kV Gelephu - Salakati Line	-34.40	
		Total	600.34	Auxiliary Consumption & Transformation Losses at Generator end	0.25%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	139.00	400kV PHP II - Jigmeling - I	79.55	Unit- V & VI under AMP.
		Unit-II	140.97	400kV PHP II - Jigmeling - II	78.81	
		Unit-III	139.77	400kV PHP II - Alipurdhar - I	202.23	
		Unit-IV	137.67	400kV PHP II - Alipurdhar - II	202.34	
		Unit-V	0.00	-	-	
		Unit-VI	0.00	-	-	
		Total	557.41	Auxiliary Consumption & Transformation Losses at Generator end	-0.99%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.43	220kV CHP - Birpara Line - I	-34.39	Unit-II & III under Shutdown (Annual Maintenance).
		Unit-II	0.00	220kV CHP - Birpara Line - II	-34.14	
		Unit-III	0.00	220kV CHP - Gedu	-19.68	
		Unit-IV	91.63	220kV CHP - Jamjee - I	90.11	
		-	-	220kV CHP - Jamjee - II	89.50	
		-	-	220kV CHP - Jamjee - III	86.34	
		-	-	220kV Malbase - Birpara Line	0.56	
		-	-	66kV CHP - Gedu Line	4.52	
		Total	183.06	Auxiliary Consumption & Transformation Losses at Generator end	0.44%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	3.70	220kV BHP - Semtokha Line	41.30	All Units & Feeders are in Service.
		Unit-II	3.50	66kV BHP - Lobeysa Line	19.26	
		Total	7.20	220kV BHP - Tsirang Line	-36.70	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	8.40	5MVA, 66/11kV TFR	0.41	All Units & Feeders are in Service.
		Unit-II	8.70	30MVA ICT, 220/66kV (HV)	11.78	
		Total	17.10	Auxiliary Consumption & Transformation Losses at Generator end	0.12%	
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	30.02	220kV DHP - Dagapela Line	29.70	
		-	-	220kV BitDeer - Dagapela Line	20.17	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	30.02	Auxiliary Consumption & Transformation Losses at Generator end	0.40%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.62	132kV KHP - Nangkhor Line	56.38	All Units & Feeders are in Service.
		Unit-II	16.58	132kV KHP - Kilikhar Line	9.16	
		Unit-III	16.55	5MVA, 132/11kV TFR	0.26	
		Unit-IV	16.50	132kV Motanga - Rangja Line	21.98	
		Total	66.25	Auxiliary Consumption & Transformation Losses at Generator end	0.68%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	25.00	132kV NHP-MHP-I	24.79	All Units & Feeders are in Service.
		Unit-II	40.01	132kV NHP-MHP-II	39.73	
		Total	65.01	Auxiliary Consumption & Transformation Losses at Generator end	0.75%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.00	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.
		Unit-II	5.08	-	-	
		Total	10.08	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	17.38 MWp SSP (Sephu Solar Plant)	Inverter-1	0.51	33kV SSP-Wangdue	2.39	All Inverters & Feeders are in Service. 33kV SSP-Trongsa under shutdown
		Inverter-2	0.99	33kV SSP-Trongsa	2.03	
		Inverter-3	0.93	-	-	
		Inverter-4	1.08	-	-	
		Inverter-5	0.96	-	-	
		Total	4.45	Auxiliary Consumption & Transformation Losses at Generator end	0.76%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	3.55	132kV YHP-Kilikhar	18.35	Unit-I under trial run.
		Unit-II	15.81	5MVA, 132/33kV TFR	0.73	
		Total	19.36	Auxiliary Consumption & Transformation Losses at Generator end	1.45%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	5.55	Test charge not yet done for Unit-I.
		Unit-II	20.39	132kV BSHP-Tintibi	14.81	
		Total	20.39	Auxiliary Consumption & Transformation Losses at Generator end	0.15%	

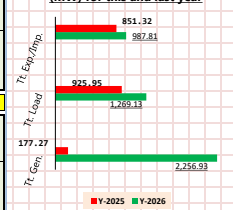
Note: Generation-Load Summary (MW) for 25-May-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,256.93	1,269.13	987.81

Note: Generation-Load Summary (MW) for 25-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)	177.27	925.95	851.32

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 26-May-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	May 25, 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	125.65	400kV THP - Siliguri Line - I	106.17	All Units & Feeders are in Service.
		Unit-II	99.41	400kV THP - Siliguri Line - II	104.93	
		Unit-III	125.13	400kV THP - Norbugang Line - IV	166.03	
		Unit-IV	130.34	400kV THP - Malbase Line - III	332.58	
		Unit-V	115.23	400kV Malbase - Siliguri Line	46.98	
		Unit-VI	120.24	400kV Norbugang-Siliguri Line	18.89	
		Total	716.00	Auxiliary Consumption & Transformation Losses at Generator end	0.88%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	39.86	400kV MHP - Jigmeling Line - I	140.23	400kV MHP-JLG line-III under shutdown.
		Unit-II	135.25	400kV MHP - Jigmeling Line - II	139.75	
		Unit-III	165.65	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	77.09	400kV MHP - Jigmeling Line - IV	136.98	
		-	-	220kV Jigmeling - BitDeer Line - I	194.75	
		-	-	220kV Jigmeling - BitDeer Line - II	161.09	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	451.27	
		-	-	400kV Jigmeling - Alipurdwar Line - I	92.36	
		-	-	400kV Jigmeling - Alipurdwar Line - II	90.91	
		-	-	80MVA, 220/132kV ICT - I (HV)	48.47	
		-	-	80MVA, 220/132kV ICT - II (HV)	47.98	
		-	-	132kV MHP - Yumo Line - II	29.37	
		-	-	132kV MHP - Tintibi Line	29.46	
		-	-	132kV Gelephu - Salakati Line	-48.82	
		Total	417.85	Auxiliary Consumption & Transformation Losses at Generator end	0.39%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	132.85	400kV PHP II - Jigmeling -I	112.67	Unit -V & VI under AMP.
		Unit-II	129.84	400kV PHP II - Jigmeling -II	112.03	
		Unit-III	130.66	400kV PHP II - Alipurdwar -I	150.57	
		Unit-IV	130.59	400kV PHP II - Alipurdwar -II	150.95	
		Unit-V	0.00	-	-	
		Unit-VI	0.00	-	-	
		Total	523.94	Auxiliary Consumption & Transformation Losses at Generator end	-0.44%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.43	220kV CHP - Birpara Line - I	-40.98	Unit-II & III under Shutdown (Annual Maintenance).
		Unit-II	0.00	220kV CHP - Birpara Line - II	-40.77	
		Unit-III	0.00	220kV CHP - Gedu	-26.93	
		Unit-IV	91.63	220kV CHP - Jamjee - I	98.02	
		-	-	220kV CHP - Jamjee - II	97.52	
		-	-	220kV CHP - Jamjee - III	93.97	
		-	-	220kV Malbase - Birpara Line	-4.76	
		-	-	66kV CHP - Gedu Line	0.36	
		Total	183.06	Auxiliary Consumption & Transformation Losses at Generator end	1.02%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	3.66	220kV BHP - Semtokha Line	44.48	All Units & Feeders are in Service
		Unit-II	3.90	66kV BHP - Lobeyssa Line	23.04	
		Total	7.56	220kV BHP - Tsirang Line	-46.61	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	6.92	5MVA, 66/11kV TFR	0.69	
		Unit-II	7.03	30MVA ICT, 220/66kV (HV)	16.17	
		Total	13.95	Auxiliary Consumption & Transformation Losses at Generator end	-0.42%	
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	28.02	220kV DHP - Dagapela Line	27.00	
		-	-	220kV BitDeer - Dagapela Line	21.87	
		-	-	5MVA, 220/33kV TFR	0.40	
		Total	28.02	Auxiliary Consumption & Transformation Losses at Generator end	-0.64%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.55	132kV KHP - Nangkhor Line	51.32	All Units & Feeders are in Service.
		Unit-II	16.47	132kV KHP - Kilikhar Line	14.04	
		Unit-III	16.56	5MVA, 132/11kV TFR	0.40	
		Unit-IV	16.56	132kV Motanga - Rangla Line	28.08	
		Total	66.14	Auxiliary Consumption & Transformation Losses at Generator end	0.57%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	20.04	132kV NHP-MHP-I	19.83	All Units & Feeders are in Service.
		Unit-II	40.00	132kV NHP-MHP-II	39.72	
		Total	60.04	Auxiliary Consumption & Transformation Losses at Generator end	0.82%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.00	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.
		Unit-II	5.08	-	-	
		Total	10.08	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	16.21	132kV YHP-Kilikhar	14.55	Unit-II under shutdown
		Unit-II	0.00	5MVA, 132/33kV TFR	1.41	
		Total	16.21	Auxiliary Consumption & Transformation Losses at Generator end	1.54%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	19.44	Test charge not yet done for Unit-I.
		Unit-II	20.50	132kV BSHP-Tintibi	0.79	
		Total	20.50	Auxiliary Consumption & Transformation Losses at Generator end	1.32%	

Note: Generation-Load Summary (MW) for 25-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)	2,063.35	1,408.84	654.51

Note: Generation-Load Summary (MW) for 25-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)	1,613.14	963.50	649.64

Note: Daily Energy (MUS) and Power(MW) Statistics for 25-May-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	373.32	32.35	0.00	16.68	1,181.53

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.

