



འབྲུག་རྒྱལ་ཁབ་ཀྱི་རྒྱུ་རྩུབ་ལྷན་ཁག་
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 28-May-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	May 27, 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	100.67	400kV THP - Siliguri Line - I	100.12	All Units & Feeders are in Service.
		Unit-II	100.17	400kV THP - Siliguri Line - II	98.76	
		Unit-III	121.09	400kV THP - Norbugang - IV	139.85	
		Unit-IV	90.66	400kV THP - Malbase Line - III	262.20	
		Unit-V	110.25	400kV Malbase - Siliguri Line	56.76	
		Unit-VI	75.31	400kV Norbugang-Siliguri Line	26.84	
		Total	606.15	Auxiliary Consumption & Transformation Losses at Generator end	0.86%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.87	400kV MHP - Jigmeling Line - I	261.97	400kV MHP-JLG line- III under shutdown.
		Unit-II	190.12	400kV MHP - Jigmeling Line - II	261.43	
		Unit-III	195.10	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.35	400kV MHP - Jigmeling Line - IV	255.65	
		-	-	220kV Jigmeling - BitDeer Line - I	189.13	
		-	-	220kV Jigmeling - BitDeer Line - II	162.28	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	445.09	
		-	-	400kV Jigmeling - Alipurduar Line - I	244.36	
		-	-	400kV Jigmeling - Alipurduar Line - II	243.64	
		-	-	80MVA, 220/132kV ICT - I (HV)	47.74	
		-	-	80MVA, 220/132kV ICT - II (HV)	47.47	
		-	-	132kV MHP - Yurmo Line - II	29.34	
		-	-	132kV MHP - Tintibi Line	29.20	
		-	-	132kV Gelephu - Salakati Line	-27.63	
		Total	781.44	Auxiliary Consumption & Transformation Losses at Generator end	0.43%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	187.28	400kV PHP II - Jigmeling - I	81.84	Unit- V & VI under AMP.
		Unit-II	186.28	400kV PHP II - Jigmeling - II	81.19	
		Unit-III	186.29	400kV PHP II - Alipurduar - I	291.64	
		Unit-IV	185.21	400kV PHP II - Alipurduar - II	291.45	
		Unit-V	0.00	-	-	
		Unit-VI	0.00	-	-	
		Total	744.98	Auxiliary Consumption & Transformation Losses at Generator end	-0.15%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.38	220kV CHP - Birpara Line - I	-17.23	Unit-II under Shutdown (Annual Maintenance).
		Unit-II	0.00	220kV CHP - Birpara Line - II	-17.01	
		Unit-III	91.32	220kV CHP - Gedu	39.72	
		Unit-IV	91.24	220kV CHP - Jamjee - I	88.77	
		-	-	220kV CHP - Jamjee - II	87.95	
		-	-	220kV CHP - Jamjee - III	85.00	
		-	-	220kV Malbase - Birpara Line	-15.00	
		-	-	66kV CHP - Gedu Line	5.32	
		Total	273.94	Auxiliary Consumption & Transformation Losses at Generator end	0.52%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	3.50	220kV BHP - Semtokha Line	51.82	All Units & Feeders are in Service.
		Unit-II	2.65	66kV BHP - Lobeysa Line	18.90	
		Total	6.15	220kV BHP - Tsirang Line	-50.37	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	7.10	5MVA, 66/11kV TFR	0.30	All Units & Feeders are in Service.
		Unit-II	7.20	30MVA ICT, 220/66kV (HV)	12.11	
		Total	14.30	Auxiliary Consumption & Transformation Losses at Generator end	-0.98%	
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	32.01	220kV DHP - Dagapela Line	31.51	
		-	-	220kV BitDeer - Dagapela Line	18.78	
		-	-	5MVA, 220/33kV TFR	0.23	
		Total	32.01	Auxiliary Consumption & Transformation Losses at Generator end	0.84%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.48	132kV KHP - Nangkhor Line	62.84	All Units & Feeders are in Service.
		Unit-II	16.48	132kV KHP - Kilikhar Line	2.47	
		Unit-III	16.49	5MVA, 132/11kV TFR	0.29	
		Unit-IV	16.49	132kV Motanga - Rangja Line	33.28	
		Total	65.94	Auxiliary Consumption & Transformation Losses at Generator end	0.52%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	19.94	132kV NHP-MHP-I	19.77	All Units & Feeders are in Service.
		Unit-II	40.07	132kV NHP-MHP-II	39.71	
		Total	60.01	Auxiliary Consumption & Transformation Losses at Generator end	0.88%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.06	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.
		Unit-II	5.00	-	-	
		Total	10.06	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	17.38 MWp SSP (Sephu Solar Plant)	Inverter-1	0.83	33kV SSP-Wangdue	3.81	All Inverters & Feeders are in Service.
		Inverter-2	1.50	33kV SSP-Trongsa	3.94	
		Inverter-3	1.56	-	-	
		Inverter-4	2.17	-	-	
		Inverter-5	1.71	-	-	
		Total	7.77	Auxiliary Consumption & Transformation Losses at Generator end	0.23%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	13.46	132kV YHP-Kilikhar	28.55	All Units & Feeders are in Service.
		Unit-II	16.01	5MVA, 132/33kV TFR	0.49	
		Total	29.47	Auxiliary Consumption & Transformation Losses at Generator end	1.46%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	9.72	Test charge not yet done for Unit-I.
		Unit-II	25.41	132kV BSHP-Tintibi	15.33	
		Total	25.41	Auxiliary Consumption & Transformation Losses at Generator end	1.42%	

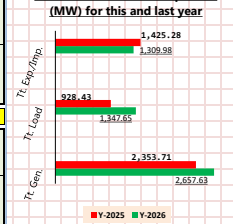
Note: Generation-Load Summary (MW) for 27-May-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,657.63	1,347.65	1,309.98

Note: Generation-Load Summary (MW) for 27-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)	2,353.71	928.43	1,425.28

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 28-May-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	May 27, 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	98.69	400kV THP - Siliguri Line - I	101.89	All Units & Feeders are in Service.
		Unit-II	94.97	400kV THP - Siliguri Line - II	100.53	
		Unit-III	120.11	400kV THP - Norbugang Line - IV	154.36	
		Unit-IV	100.56	400kV THP - Malbase Line - III	303.74	
		Unit-V	130.17	400kV Malbase - Siliguri Line	48.79	
		Unit-VI	130.15	400kV Norbugang-Siliguri Line	21.22	
		Total	666.65	Auxiliary Consumption & Transformation Losses at Generator end	0.92%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	136.32	400kV MHP - Jigmeling Line - I	151.67	400kV MHP-JLG line-III under shutdown.
		Unit-II	0.00	400kV MHP - Jigmeling Line - II	151.24	
		Unit-III	140.77	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	175.54	400kV MHP - Jigmeling Line - IV	148.14	
		-	-	220kV Jigmeling - BitDeer Line - I	189.41	
		-	-	220kV Jigmeling - BitDeer Line - II	146.54	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	434.18	
		-	-	400kV Jigmeling - Alipurdwar Line - I	133.09	
		-	-	400kV Jigmeling - Alipurdwar Line - II	131.64	
		-	-	80MVA, 220/132kV ICT - I (HV)	50.03	
		-	-	80MVA, 220/132kV ICT - II (HV)	49.53	
		-	-	132kV MHP - Yumo Line - II	29.46	
		-	-	132kV MHP - Tintibi Line	30.50	
		-	-	132kV Gelephu - Salakati Line	-40.65	
		Total	452.63	Auxiliary Consumption & Transformation Losses at Generator end	0.28%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	184.00	400kV PHP II - Jigmeling -I	127.68	Unit -V & VI under AMP.
		Unit-II	155.24	400kV PHP II - Jigmeling -II	127.17	
		Unit-III	169.84	400kV PHP II - Alipurdwar -I	200.69	
		Unit-IV	156.69	400kV PHP II - Alipurdwar -II	200.47	
		Unit-V	0.00	-	-	
		Unit-VI	0.00	-	-	
		Total	665.77	Auxiliary Consumption & Transformation Losses at Generator end	1.47%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.49	220kV CHP - Birpara Line - I	-21.81	Unit-II under Shutdown (Annual Maintenance).
		Unit-II	0.00	220kV CHP - Birpara Line - II	-21.38	
		Unit-III	91.48	220kV CHP - Gedu	18.58	
		Unit-IV	91.55	220kV CHP - Jamjee - I	100.40	
		-	-	220kV CHP - Jamjee - II	99.47	
		-	-	220kV CHP - Jamjee - III	96.29	
		-	-	220kV Malbase - Birpara Line	-6.71	
		-	-	66kV CHP - Gedu Line	1.22	
		Total	274.52	Auxiliary Consumption & Transformation Losses at Generator end	0.64%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	3.59	220kV BHP - Sertokha Line	45.02	All Units & Feeders are in Service
		Unit-II	3.50	66kV BHP - Lobeyssa Line	22.99	
		Total	7.09	220kV BHP - Tsirang Line	-47.58	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	7.05	5MVA, 66/11kV TFR	0.76	
		Unit-II	7.16	30MVA ICT, 220/66kV (HV)	17.02	
		Total	14.21	Auxiliary Consumption & Transformation Losses at Generator end	0.52%	
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 under shutdown.
		Unit-II	30.01	220kV DHP - Dagapela Line	29.70	
		-	-	220kV BitDeer - Dagapela Line	20.00	
		-	-	5MVA, 220/33kV TFR	0.25	
		Total	30.01	Auxiliary Consumption & Transformation Losses at Generator end	0.20%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.43	132kV KHP - Nangkor Line	54.33	All Units & Feeders are in Service.
		Unit-II	16.54	132kV KHP - Kilikhar Line	10.92	
		Unit-III	16.60	5MVA, 132/11kV TFR	0.39	
		Unit-IV	16.54	132kV Motanga - Rangla Line	28.30	
		Total	66.11	Auxiliary Consumption & Transformation Losses at Generator end	0.71%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	19.97	132kV NHP-MHP-I	19.85	All Units & Feeders are in Service.
		Unit-II	40.01	132kV NHP-MHP-II	39.79	
		Total	59.98	Auxiliary Consumption & Transformation Losses at Generator end	0.57%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.06	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.
		Unit-II	5.00	-	-	
		Total	10.06	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	5.01	132kV YHP-Kilikhar	19.19	
		Unit-II	16.02	5MVA, 132/33kV TFR	1.55	
		Total	21.03	Auxiliary Consumption & Transformation Losses at Generator end	1.38%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	18.94	Test charge not yet done for Unit-I.
		Unit-II	25.45	132kV BSHP-Tintibi	6.20	
		Total	25.45	Auxiliary Consumption & Transformation Losses at Generator end	1.22%	

Note: Generation-Load Summary (MW) for 27-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)	2,293.51	1,417.44	876.07

Note: Generation-Load Summary (MW) for 27-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)	2,102.63	951.36	1,151.27

Note: Daily Energy (MUS) and Power(MW) Statistics for 27-May-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	57.33	32.52	0.00	24.81	1,343.72

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.

