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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 31-May-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	May 30, 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	55.73	400kV THP - Siliguri Line - I	10.45	All Units & Feeders are in Service.
		Unit-II	40.84	400kV THP - Siliguri Line - II	9.31	
		Unit-III	42.83	400kV THP - Norbugang - IV	97.21	
		Unit-IV	70.50	400kV THP - Malbase Line - III	204.22	
		Unit-V	60.15	400kV Malbase - Siliguri Line	-33.75	
		Unit-VI	55.27	400kV Norbugang-Siliguri Line	-46.16	
		Total	325.32	Auxiliary Consumption & Transformation Losses at Generator end	1.27%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	60.08	400kV MHP - Jigmeling Line - I	149.85	400kV MHP-JLG line- III on Standby.
		Unit-II	60.14	400kV MHP - Jigmeling Line - II	149.28	
		Unit-III	160.57	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	165.44	400kV MHP - Jigmeling Line - IV	145.64	
		-	-	220kV Jigmeling - BitDeer Line - I	185.14	
		-	-	220kV Jigmeling - BitDeer Line - II	168.39	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	454.55	
		-	-	400kV Jigmeling - Alipurdhar Line - I	121.46	
		-	-	400kV Jigmeling - Alipurdhar Line - II	121.46	
		-	-	80MVA, 220/132kV ICT - I (HV)	51.52	
		-	-	80MVA, 220/132kV ICT - II (HV)	51.14	
		-	-	132kV MHP - Yurmo Line - II	33.26	
		-	-	132kV MHP - Tintibi Line	34.46	
		-	-	132kV Gelephu - Salakati Line	-30.41	
		Total	446.23	Auxiliary Consumption & Transformation Losses at Generator end	0.29%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	164.84	400kV PHP II - Jigmeling - I	129.75	Unit-VI under AMP. Unit-III on Standby.
		Unit-II	154.13	400kV PHP II - Jigmeling - II	129.39	
		Unit-III	0.00	400kV PHP II - Alipurdhar - I	189.75	
		Unit-IV	159.20	400kV PHP II - Alipurdhar - II	190.61	
		Unit-V	159.36	-	-	
		Unit-VI	0.00	-	-	
		Total	637.53	Auxiliary Consumption & Transformation Losses at Generator end	-0.31%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.49	220kV CHP - Birpara Line - I	-25.82	Unit-II under Shutdown (Annual Maintenance).
		Unit-II	0.00	220kV CHP - Birpara Line - II	-25.43	
		Unit-III	91.47	220kV CHP - Gedu	18.62	
		Unit-IV	91.45	220kV CHP - Jamjee - I	100.70	
		-	-	220kV CHP - Jamjee - II	99.00	
		-	-	220kV CHP - Jamjee - III	96.05	
		-	-	220kV Malbase - Birpara Line	-14.07	
		-	-	66kV CHP - Gedu Line	8.84	
		Total	274.41	Auxiliary Consumption & Transformation Losses at Generator end	0.89%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	3.59	220kV BHP - Semtokha Line	25.99	All Units & Feeders are in Service.
		Unit-II	3.50	66kV BHP - Lobeysa Line	19.69	
		Total	7.09	220kV BHP - Tsirang Line	-24.53	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	6.88	5MVA, 66/11kV TFR	0.39	All Units & Feeders are in Service.
		Unit-II	7.31	30MVA ICT, 220/66kV (HV)	13.00	
		Total	14.19	Auxiliary Consumption & Transformation Losses at Generator end	-1.22%	
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	29.03	220kV DHP - Dagapela Line	28.81	
		-	-	220kV BitDeer - Dagapela Line	20.54	
		-	-	5MVA, 220/33kV TFR	0.50	
		Total	29.03	Auxiliary Consumption & Transformation Losses at Generator end	-0.96%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	12.56	132kV KHP - Nangkhor Line	43.81	All Units & Feeders are in Service.
		Unit-II	12.59	132kV KHP - Kilikhar Line	5.97	
		Unit-III	12.61	5MVA, 132/11kV TFR	0.27	
		Unit-IV	12.59	132kV Motanga - Rangja Line	26.86	
		Total	50.35	Auxiliary Consumption & Transformation Losses at Generator end	0.60%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	40.25	132kV NHP-MHP-I	40.03	All Units & Feeders are in Service.
		Unit-II	27.75	132kV NHP-MHP-II	27.53	
		Total	68.00	Auxiliary Consumption & Transformation Losses at Generator end	0.65%	
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	0.34	33kV SSP-Wangdue	2.01	All Inverters & Feeders are in Service.
		Inverter-2	0.86	33kV SSP-Trongsa	1.85	
		Inverter-3	0.82	-	-	
		Inverter-4	1.01	-	-	
		Inverter-5	0.86	-	-	
		Total	3.87	Auxiliary Consumption & Transformation Losses at Generator end	0.31%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	6.57	132kV YHP-Kilikhar	18.77	All Units & Feeders are in Service.
		Unit-II	13.51	5MVA, 132/33kV TFR	1.00	
		Total	20.08	Auxiliary Consumption & Transformation Losses at Generator end	1.54%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	23.85	Test charge not yet done for Unit-I.
		Unit-II	25.50	132kV BSHP-Tintibi	1.35	
		Total	25.50	Auxiliary Consumption & Transformation Losses at Generator end	1.18%	

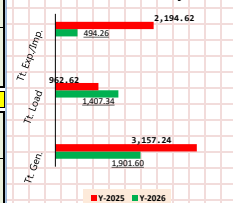
Note: Generation-Load Summary (MW) for 30-May-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	1,901.60	1,407.34	494.26

Note: Generation-Load Summary (MW) for 30-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)	3,157.24	962.62	2,194.62

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 31-May-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	May 30, 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	125.71	400kV THP - Siliguri Line - I	90.05	All Units & Feeders are in Service.
		Unit-II	116.48	400kV THP - Siliguri Line - II	89.20	
		Unit-III	105.18	400kV THP - Norbugang Line - IV	159.73	
		Unit-IV	95.55	400kV THP - Malbase Line - III	316.45	
		Unit-V	120.18	400kV Malbase - Siliguri Line	32.41	
		Unit-VI	98.24	400kV Norbugang-Siliguri Line	4.88	
		Total	661.34	Auxiliary Consumption & Transformation Losses at Generator end	0.89%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	77.17	400kV MHP - Jigmeling Line - I	127.00	400kV MHP-JLG line-III on standby.
		Unit-II	67.15	400kV MHP - Jigmeling Line - II	127.20	
		Unit-III	86.15	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	150.16	400kV MHP - Jigmeling Line - IV	124.67	
		-	-	220kV Jigmeling - BitDeer Line - I	167.19	
		-	-	220kV Jigmeling - BitDeer Line - II	152.88	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	441.09	
		-	-	400kV Jigmeling - Alipurdwar Line - I	72.73	
		-	-	400kV Jigmeling - Alipurdwar Line - II	72.00	
		-	-	80MVA, 220/132kV ICT - I (HV)	61.12	
		-	-	80MVA, 220/132kV ICT - II (HV)	60.65	
		-	-	132kV MHP - Yurmo Line - II	24.77	
		-	-	132kV MHP - Tintibi Line	24.19	
		-	-	132kV Gelephu - Salakati Line	-39.52	
		Total	380.63	Auxiliary Consumption & Transformation Losses at Generator end	0.64%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	160.00	400kV PHP II - Jigmeling -I	105.19	Unit -III & VI under AMP.
		Unit-II	150.21	400kV PHP II - Jigmeling -II	104.62	
		Unit-III	0.00	400kV PHP II - Alipurdwar -I	127.20	
		Unit-IV	160.37	400kV PHP II - Alipurdwar -II	127.06	
		Unit-V	0.00	-	-	
		Unit-VI	0.00	-	-	
		Total	470.58	Auxiliary Consumption & Transformation Losses at Generator end	1.38%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	76.27	220kV CHP - Birpara Line - I	-8.63	Unit-II under Shutdown (Annual Maintenance).
		Unit-II	90.72	220kV CHP - Birpara Line - II	-8.47	
		Unit-III	75.61	220kV CHP - Gedu	20.47	
		Unit-IV	75.52	220kV CHP - Jamjee - I	105.38	
		-	-	220kV CHP - Jamjee - II	104.23	
		-	-	220kV CHP - Jamjee - III	100.71	
		-	-	220kV Malbase - Birpara Line	13.47	
		-	-	66kV CHP - Gedu Line	2.94	
		Total	318.12	Auxiliary Consumption & Transformation Losses at Generator end	0.47%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	3.35	220kV BHP - Semtokha Line	16.62	All Units & Feeders are in Service
		Unit-II	3.40	66kV BHP - Lobeyssa Line	20.66	
		Total	6.75	220kV BHP - Tsirang Line	-16.82	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	6.88	5MVA, 66/11kV TFR	0.57	
		Unit-II	7.50	30MVA ICT, 220/66kV (HV)	14.49	
		Total	14.38	Auxiliary Consumption & Transformation Losses at Generator end	0.47%	
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	27.39	220kV DHP - Dagapela Line	27.00	
		-	-	220kV BitDeer - Dagapela Line	20.78	
		-	-	5MVA, 220/33kV TFR	-	
		Total	27.39	Auxiliary Consumption & Transformation Losses at Generator end	1.42%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	12.12	132kV KHP - Nangkor Line	38.97	All Units & Feeders are in Service.
		Unit-II	12.12	132kV KHP - Kilikhar Line	8.82	
		Unit-III	12.13	5MVA, 132/11kV TFR	0.37	
		Unit-IV	12.13	132kV Motanga - Rangla Line	19.93	
		Total	48.50	Auxiliary Consumption & Transformation Losses at Generator end	0.70%	
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	24.98	132kV NHP-MHP-II	24.79	
		Total	49.96	Auxiliary Consumption & Transformation Losses at Generator end	0.64%	
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	5.00	-	-	
		Total	10.00	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	4.15	132kV YHP-Kilikhar	15.57	
		Unit-II	13.01	5MVA, 132/33kV TFR	1.34	
		Total	17.16	Auxiliary Consumption & Transformation Losses at Generator end	1.46%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	22.56	Test charge not yet done for Unit-I.
		Unit-II	25.54	132kV BSHP-Tintibi	2.64	
		Total	25.54	Auxiliary Consumption & Transformation Losses at Generator end	1.33%	

Note: Generation-Load Summary (MW) for 30-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)	2,030.35	1,438.04	592.31

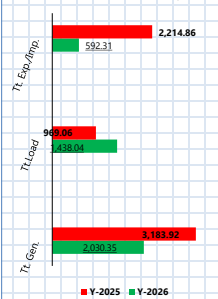
Note: Generation-Load Summary (MW) for 30-May-2025, at 19:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,183.92	969.06	2,214.86

Note: Daily Energy (MUS) and Power(MW) Statistics for 30-May-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	49.25	33.68	0.00	15.57	886.24

19:00 hrs Statistical Comparison
(MW) for this and last year



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.