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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 20-May-2026(+ve:import, -ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	May 19, 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	120.39	400kV THP - Siliguri Line - I	115.48	All Units & Feeders are in Service.
		Unit-II	120.14	400kV THP - Siliguri Line - II	113.66	
		Unit-III	115.10	400kV THP - Norbugang - IV	149.38	
		Unit-IV	140.21	400kV THP - Malbase Line - III	356.99	
		Unit-V	120.28	400kV Malbase - Siliguri Line	53.37	
		Unit-VI	125.21	400kV Norbugang-Siliguri Line	37.23	
		Total	741.24	Auxiliary Consumption & Transformation Losses at Generator end	0.77%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	135.30	400kV MHP - Jigmeling Line - I	127.40	400kV MHP-JLG line-II on Stand By 400kV JLG-ALI Line-I under Shutdown.
		Unit-II	130.18	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	75.58	400kV MHP - Jigmeling Line - III	131.63	
		Unit-IV	50.34	400kV MHP - Jigmeling Line - IV	131.86	
		-	-	220kV Jigmeling - BitDeer Line - I	199.85	
		-	-	220kV Jigmeling - BitDeer Line - II	156.83	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	438.91	
		-	-	400kV Jigmeling - Alipurdhar Line - I	0.00	
		-	-	400kV Jigmeling - Alipurdhar Line - II	130.18	
		-	-	80MVA, 220/132kV ICT - I (HV)	41.93	
		-	-	80MVA, 220/132kV ICT - II (HV)	41.53	
		-	-	132kV MHP - Yurmo Line - II	24.42	
		-	-	132kV MHP - Tintibi Line	24.95	
		-	-	132kV Gelephu - Salakati Line	-42.96	
		Total	391.40	Auxiliary Consumption & Transformation Losses at Generator end	0.16%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	179.00	400kV PHP II - Jigmeling - I	92.05	Unit- V & VI under AMP. Unit-II on Standby.
		Unit-II	0.00	400kV PHP II - Jigmeling - II	91.31	
		Unit-III	179.06	400kV PHP II - Alipurdhar - I	178.62	
		Unit-IV	179.83	400kV PHP II - Alipurdhar - II	179.00	
		Unit-V	0.00	-	-	
		Unit-VI	0.00	-	-	
		Total	537.89	Auxiliary Consumption & Transformation Losses at Generator end	-0.59%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.43	220kV CHP - Birpara Line - I	-41.70	Unit-II & III under Shutdown (Annual Maintenance).
		Unit-II	0.00	220kV CHP - Birpara Line - II	-41.32	
		Unit-III	0.00	220kV CHP - Gedu	0.15	
		Unit-IV	91.63	220kV CHP - Jamjee - I	87.88	
		-	-	220kV CHP - Jamjee - II	86.56	
		-	-	220kV CHP - Jamjee - III	84.35	
		-	-	220kV Malbase - Birpara Line	-27.50	
		-	-	66kV CHP - Gedu Line	6.16	
		Total	183.06	Auxiliary Consumption & Transformation Losses at Generator end	0.54%	
5	2 x 12 MW BHP (U/S) (Basochu)	Unit-I	3.93	220kV BHP - Semtokha Line	45.90	All Units & Feeders are in Service.
		Unit-II	3.60	66kV BHP - Lobeysa Line	17.36	
		Total	7.53	220kV BHP - Tsirang Line	-39.40	
6	2 x 20 MW BHP (L/S) (Basochu)	Unit-I	8.22	5MVA, 66/11kV TFR	0.24	All Units & Feeders are in Service.
		Unit-II	8.00	30MVA ICT, 220/66kV (HV)	10.10	
		Total	16.22	Auxiliary Consumption & Transformation Losses at Generator end	-1.47%	
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	30.03	220kV DHP - Dagapela Line	29.83	
		-	-	220kV BitDeer - Dagapela Line	19.96	
		-	-	5MVA, 220/33kV TFR	0.16	
		Total	30.03	Auxiliary Consumption & Transformation Losses at Generator end	0.12%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	13.81	132kV KHP - Nangkhor Line	45.91	All Units & Feeders are in Service.
		Unit-II	13.82	132kV KHP - Kilikhar Line	8.85	
		Unit-III	13.85	5MVA, 132/11kV TFR	0.28	
		Unit-IV	13.91	132kV Motanga - Rangja Line	13.82	
		Total	55.39	Auxiliary Consumption & Transformation Losses at Generator end	0.63%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	28.01	132kV NHP-MHP-I	27.71	All Units & Feeders are in Service.
		Unit-II	22.04	132kV NHP-MHP-II	21.78	
		Total	50.05	Auxiliary Consumption & Transformation Losses at Generator end	1.12%	
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	17.38 MWp SSP (Sephu Solar Plant)	Inverter-1	1.83	33kV SSP-Wangdue	8.22	All Inverters & Feeders are in Service.
		Inverter-2	3.24	33kV SSP-Trongsa	7.54	
		Inverter-3	3.16	-	-	
		Inverter-4	4.09	-	-	
		Inverter-5	3.46	-	-	
		Total	15.77	Auxiliary Consumption & Transformation Losses at Generator end	0.08%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	15.15	Unit-I, 50% Load throw test completed on 18.05.2026
		Unit-II	16.01	5MVA, 132/33kV TFR	0.64	
		Total	16.01	Auxiliary Consumption & Transformation Losses at Generator end	1.37%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	16.91	Test charge not yet done for Unit-I.
		Unit-II	27.35	132kV BSHP-Tintibi	10.10	
		Total	27.35	Auxiliary Consumption & Transformation Losses at Generator end	1.24%	

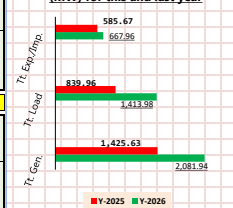
Note: Generation-Load Summary (MW) for 19-May-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,081.94	1,413.98	667.96

Note: Generation-Load Summary (MW) for 19-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)	1,425.63	839.96	585.67

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 20-May-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	May 19, 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	80.72	400kV THP - Siliguri Line - I	27.73	All feeders and units in service
		Unit-II	50.84	400kV THP - Siliguri Line - II	27.02	
		Unit-III	85.14	400kV THP - Norbugang Line - IV	83.57	
		Unit-IV	82.52	400kV THP - Malbase Line - III	312.49	
		Unit-V	75.30	400kV Malbase - Siliguri Line	-37.15	
		Unit-VI	80.28	400kV Norbugang-Siliguri Line	-19.72	
		Total	454.80	Auxiliary Consumption & Transformation Losses at Generator end	0.88%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	85.96	400kV MHP - Jigmeling Line - I	116.48	400kV MHP-JLG line-III in Standby. Unit III on standby 400kV Jigmeling-Alipurdwar Line-I under Shutdown.
		Unit-II	174.57	400kV MHP - Jigmeling Line - II	116.80	
		Unit-III	0.00	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	86.05	400kV MHP - Jigmeling Line - IV	109.90	
		-	-	220kV Jigmeling - BitDeer Line - I	199.92	
		-	-	220kV Jigmeling - BitDeer Line - II	141.02	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	453.09	
		-	-	400kV Jigmeling - Alipurdwar Line - I	0.00	
		-	-	400kV Jigmeling - Alipurdwar Line - II	66.18	
		-	-	80MVA, 220/132kV ICT - I (HV)	56.73	
		-	-	80MVA, 220/132kV ICT - II (HV)	56.29	
		-	-	132kV MHP - Yurmo Line - II	24.39	
		-	-	132kV MHP - Tintibi Line	24.60	
		-	-	132kV Gelephu - Salakati Line	-43.56	
		Total	346.58	Auxiliary Consumption & Transformation Losses at Generator end	1.14%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	135.00	400kV PHP II - Jigmeling -I	89.25	Unit-II on standby. Unit -V & VI under AMP.
		Unit-II	0.00	400kV PHP II - Jigmeling -II	88.80	
		Unit-III	131.08	400kV PHP II - Alipurdwar -I	112.24	
		Unit-IV	134.69	400kV PHP II - Alipurdwar -II	112.61	
		Unit-V	0.00	-	-	
		Unit-VI	0.00	-	-	
		Total	400.77	Auxiliary Consumption & Transformation Losses at Generator end	-0.53%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.43	220kV CHP - Birpara Line - I	-48.09	Unit-II & III under Shutdown (Annual Maintenance).
		Unit-II	0.00	220kV CHP - Birpara Line - II	-47.10	
		Unit-III	0.00	220kV CHP - Gedu	-15.35	
		Unit-IV	91.63	220kV CHP - Jamjee - I	96.92	
		-	-	220kV CHP - Jamjee - II	96.15	
		-	-	220kV CHP - Jamjee - III	92.83	
		-	-	220kV Malbase - Birpara Line	-25.08	
		-	-	66kV CHP - Gedu Line	7.17	
		Total	183.06	Auxiliary Consumption & Transformation Losses at Generator end	0.29%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	3.50	220kV BHP - Sertokha Line	44.82	All feeders and units in service
		Unit-II	2.77	66kV BHP - Lobeyssa Line	22.52	
		Total	6.27	220kV BHP - Tsirang Line	-46.95	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	6.78	5MVA, 66/11kV TFR	0.68	
		Unit-II	8.15	30MVA ICT, 220/66kV (HV)	16.29	
		Total	14.93	Auxiliary Consumption & Transformation Losses at Generator end	0.61%	
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	26.96	220kV DHP - Dagapela Line	26.90	
		-	-	220kV BitDeer - Dagapela Line	14.00	
		-	-	5MVA, 220/33kV TFR		
		Total	26.96	Auxiliary Consumption & Transformation Losses at Generator end	0.22%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	13.85	132kV KHP - Nangkor Line	31.75	All Units & Feeders are in Service.
		Unit-II	13.76	132kV KHP - Kilikhar Line	22.77	
		Unit-III	13.84	5MVA, 132/11kV TFR	0.38	
		Unit-IV	13.84	132kV Motanga - Rangla Line	8.15	
		Total	55.29	Auxiliary Consumption & Transformation Losses at Generator end	0.71%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	27.93	132kV NHP-MHP-I	27.76	All Units & Feeders are in Service.
		Unit-II	21.99	132kV NHP-MHP-II	21.78	
		Total	49.92	Auxiliary Consumption & Transformation Losses at Generator end	0.76%	
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	0.00	132kV YHP-Kilikhar	-1.48	Unit II affected while Unit I was tested for load throw. Test charge done for Unit-I at 16:45:12hrs.
		Unit-II	0.00	5MVA, 132/33kV TFR	1.47	
		Total	0.00	Auxiliary Consumption & Transformation Losses at Generator end	0.00%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	35.11	Test charge not yet done for Unit-I.
		Unit-II	27.51	132kV BSHP-Tintibi	-7.95	
		Total	27.51	Auxiliary Consumption & Transformation Losses at Generator end	1.27%	

Note: Generation-Load Summary (MW) for 19-May-2026 at 18:00 hrs

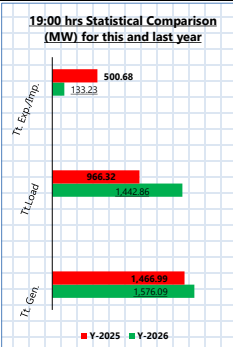
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	1,576.09	1,442.86	133.23

Note: Generation-Load Summary (MW) for 19-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)	1,466.99	966.32	500.68

Note: Daily Energy (MUS) and Power(MW) Statistics for 19-May-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	560.98	33.87	0.00	9.13	694.24



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.