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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 19-May-2026(ve:import, +ve:export)						
Report	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	May 18, 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	140.56	400kV THP - Siliguri Line - I	133.13	All feeders and Units in service.
		Unit-II	140.90	400kV THP - Siliguri Line - II	131.60	
		Unit-III	140.11	400kV THP - Norbugang - IV	186.58	
		Unit-IV	140.41	400kV THP - Malbase Line - III	349.36	
		Unit-V	145.19	400kV Malbase - Siliguri Line	74.22	
		Unit-VI	100.23	400kV Norbugang-Siliguri Line	35.45	
		Total	807.40	Auxiliary Consumption & Transformation Losses at Generator end	0.83%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	50.18	400kV MHP - Jigmeling Line - I	125.90	400kV MHP-JLG line-II on Stand By 400kV JLG-ALI Line-I under Shutdown.
		Unit-II	135.20	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	60.44	400kV MHP - Jigmeling Line - III	130.01	
		Unit-IV	140.54	400kV MHP - Jigmeling Line - IV	130.24	
		-	-	220kV Jigmeling - BitDeer Line - I	178.18	
		-	-	220kV Jigmeling - BitDeer Line - II	180.37	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	405.82	
		-	-	400kV Jigmeling - Alipurduar Line - I	0.00	
		-	-	400kV Jigmeling - Alipurduar Line - II	165.82	
		-	-	80MVA, 220/132kV ICT - I (HV)	24.28	
		-	-	80MVA, 220/132kV ICT - II (HV)	24.02	
		-	-	132kV MHP - Yurmo Line - II	48.90	
		-	-	132kV MHP - Tintibi Line	49.95	
		-	-	132kV Gelephu - Salakati Line	-33.38	
		Total	386.36	Auxiliary Consumption & Transformation Losses at Generator end	0.16%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	140.00	400kV PHP II - Jigmeling - I	94.86	Unit- V & VI under AMP.
		Unit-II	159.65	400kV PHP II - Jigmeling - II	94.07	
		Unit-III	160.00	400kV PHP II - Alipurduar - I	216.88	
		Unit-IV	159.98	400kV PHP II - Alipurduar - II	216.89	
		Unit-V	0.00	-	-	
		Unit-VI	0.00	-	-	
		Total	619.63	Auxiliary Consumption & Transformation Losses at Generator end	-0.50%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.43	220kV CHP - Birpara Line - I	-44.87	Unit-II & III under Shutdown (Annual Maintenance).
		Unit-II	0.00	220kV CHP - Birpara Line - II	-44.35	
		Unit-III	0.00	220kV CHP - Gedu	12.26	
		Unit-IV	91.63	220kV CHP - Jamjee - I	85.36	
		-	-	220kV CHP - Jamjee - II	84.30	
		-	-	220kV CHP - Jamjee - III	83.60	
		-	-	220kV Malbase - Birpara Line	-39.46	
		-	-	66kV CHP - Gedu Line	5.86	
		Total	183.06	Auxiliary Consumption & Transformation Losses at Generator end	0.49%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	3.30	220kV BHP - Semtokha Line	61.90	
		Unit-II	4.70	66kV BHP - Lobeysa Line	20.19	
		Total	8.00	220kV BHP - Tsirang Line	-58.61	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	7.80	5MVA, 66/11kV TFR	0.29	
		Unit-II	8.10	30MVA ICT, 220/66kV (HV)	12.63	
		Total	15.90	Auxiliary Consumption & Transformation Losses at Generator end	0.54%	
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	30.03	220kV DHP - Dagapela Line	29.83	
		-	-	220kV BitDeer - Dagapela Line	7.28	
		-	-	5MVA, 220/33kV TFR	0.35	
		Total	30.03	Auxiliary Consumption & Transformation Losses at Generator end	-0.50%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	15.23	132kV KHP - Nangkhor Line	51.16	All Units & Feeders are in Service.
		Unit-II	15.27	132kV KHP - Kilikhar Line	11.65	
		Unit-III	16.60	5MVA, 132/11kV TFR	0.27	
		Unit-IV	16.57	132kV Motanga - Rangja Line	31.38	
		Total	63.67	Auxiliary Consumption & Transformation Losses at Generator end	0.93%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	60.04	132kV NHP-MHP-I	59.57	All Units & Feeders are in Service.
		Unit-II	39.96	132kV NHP-MHP-II	39.68	
		Total	100.00	Auxiliary Consumption & Transformation Losses at Generator end	0.75%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	4.99	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.
		Unit-II	5.00	-	-	
		Total	9.99	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	17.38 MWp SSP (Sephu Solar Plant)	Inverter-1	0.57	33kV SSP-Wangdue	4.17	All Inverters & Feeders are in Service.
		Inverter-2	1.45	33kV SSP-Trongsa	2.89	
		Inverter-3	2.13	-	-	
		Inverter-4	1.46	-	-	
		Inverter-5	1.46	-	-	
		Total	7.07	Auxiliary Consumption & Transformation Losses at Generator end	0.14%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	15.25	Test charge not yet done for Unit-I.
		Unit-II	16.01	5MVA, 132/33kV TFR	0.52	
		Total	16.01	Auxiliary Consumption & Transformation Losses at Generator end	1.50%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	20.81	Test charge not yet done for Unit-I.
		Unit-II	27.41	132kV BSHP-Tintibi	6.25	
		Total	27.41	Auxiliary Consumption & Transformation Losses at Generator end	1.28%	

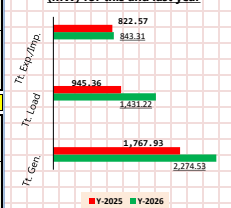
Note: Generation-Load Summary (MW) for 18-May-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,274.53	1,431.22	843.31

Note: Generation-Load Summary (MW) for 18-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)	1,767.93	945.36	822.57

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 19-May-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	May 18, 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 (Tola)	Unit-I	120.75	400kV THP - Siliguri Line - I	69.06	
		Unit-II	118.99	400kV THP - Siliguri Line - II	67.97	
		Unit-III	105.22	400kV THP - Norbugang Line - IV	147.10	
		Unit-IV	70.61	400kV THP - Malbase Line - III	301.54	
		Unit-V	85.30	400kV Malbase - Siliguri Line	12.27	
		Unit-VI	90.26	400kV Norbugang-Siliguri Line	-10.00	
		Total	591.13	Auxiliary Consumption & Transformation Losses at Generator end	0.92%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	70.20	400kV MHP - Jigmeling Line - I	117.69	400kV MHP-JLG line-II & 400kV Jigmeling_Alipurduar Line-I under Shutdown.
		Unit-II	145.19	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	70.49	400kV MHP - Jigmeling Line - III	121.53	
		Unit-IV	75.35	400kV MHP - Jigmeling Line - IV	121.87	
		-	-	220kV Jigmeling - BitDeer Line - I	178.19	
		-	-	220kV Jigmeling - BitDeer Line - II	181.71	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	443.27	
		-	-	400kV Jigmeling - Alipurduar Line - I	0.00	
		-	-	400kV Jigmeling - Alipurduar Line - II	101.82	
		-	-	80MVA, 220/132kV ICT - I (HV)	42.48	
		-	-	80MVA, 220/132kV ICT - II (HV)	42.13	
		-	-	132kV MHP - Yumo Line - II	33.95	
		-	-	132kV MHP - Tintibi Line	34.70	
		-	-	132kV Gelephu - Salakati Line	-42.79	
		Total	361.23	Auxiliary Consumption & Transformation Losses at Generator end	0.24%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	160.00	400kV PHP II - Jigmeling -I	96.09	Unit-II tripped at 18:09hrs. Unit -V & VI under AMP.
		Unit-II	0.00	400kV PHP II - Jigmeling -II	95.56	
		Unit-III	164.21	400kV PHP II - Alipurduar -I	152.00	
		Unit-IV	164.62	400kV PHP II - Alipurduar -II	152.21	
		Unit-V	0.00	-	-	
		Unit-VI	0.00	-	-	
		Total	488.83	Auxiliary Consumption & Transformation Losses at Generator end	-1.44%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.43	220kV CHP - Birpara Line - I	-42.35	Unit-II & III under Shutdown (Annual Maintenance).
		Unit-II	0.00	220kV CHP - Birpara Line - II	-42.03	
		Unit-III	0.00	220kV CHP - Gedu	-18.93	
		Unit-IV	91.63	220kV CHP - Jamjee - I	95.13	
		-	-	220kV CHP - Jamjee - II	94.43	
		-	-	220kV CHP - Jamjee - III	91.14	
		-	-	220kV Malbase - Birpara Line	-12.50	
		-	-	66kV CHP - Gedu Line	4.88	
		Total	183.06	Auxiliary Consumption & Transformation Losses at Generator end	0.43%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	0.00	220kV BHP - Semtokha Line	51.65	U/S & L/S Unit-I on standby.
		Unit-II	11.40	66kV BHP - Lobeyssa Line	24.45	
		Total	11.40	220kV BHP - Tsirang Line	-46.39	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	0.00	5MVA, 66/11kV TFR	0.66	
		Unit-II	18.47	30MVA ICT, 220/66kV (HV)	14.04	
		Total	18.47	Auxiliary Consumption & Transformation Losses at Generator end	-1.67%	
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	30.03	220kV DHP - Dagapela Line	29.83	
		-	-	220kV BitDeer - Dagapela Line	17.95	
		-	-	5MVA, 220/33kV TFR	0.50	
		Total	30.03	Auxiliary Consumption & Transformation Losses at Generator end	-1.00%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.47	132kV KHP - Nangkhor Line	42.28	All Units & Feeders are in Service.
		Unit-II	16.47	132kV KHP - Kilikhar Line	22.49	
		Unit-III	16.55	5MVA, 132/11kV TFR	0.36	
		Unit-IV	16.51	132kV Motanga - Rangla Line	18.78	
		Total	66.00	Auxiliary Consumption & Transformation Losses at Generator end	1.32%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	41.97	132kV NHP-MHP-I	41.70	All Units & Feeders are in Service.
		Unit-II	28.01	132kV NHP-MHP-II	27.67	
		Total	69.98	Auxiliary Consumption & Transformation Losses at Generator end	0.87%	
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	3.54	132kV YHP-Kilikhar	2.10	Unit-II under Shutdown. Test charge done for Unit-I at 16:45:12hrs.
		Unit-II	0.00	5MVA, 132/33kV TFR	1.37	
		Total	3.54	Auxiliary Consumption & Transformation Losses at Generator end	1.98%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	25.89	Test charge not yet done for Unit-I.
		Unit-II	27.50	132kV BSHP-Tintibi	1.80	
		Total	27.50	Auxiliary Consumption & Transformation Losses at Generator end	-0.69%	

Note: Generation-Load Summary (MW) for 18-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)	1,861.17	1,436.73	424.44

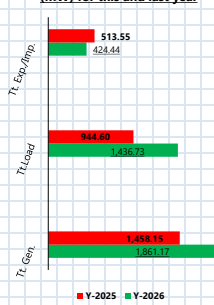
Note: Generation-Load Summary (MW) for 18-May-2025, at 19:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	1,458.15	944.60	513.55

Note: Daily Energy (MUS) and Power(MW) Statistics for 18-May-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	50.57	34.11	0.00	13.73	936.66

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.