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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 16-May-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	May 15, 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	180.49	400kV THP - Siliguri Line - I	118.09	Unit-IV under Shutdown.
		Unit-II	160.81	400kV THP - Siliguri Line - II	116.75	
		Unit-III	165.01	400kV THP - Norbugang - IV	190.19	
		Unit-IV	0.00	400kV THP - Malbase Line - III	375.44	
		Unit-V	140.16	400kV Malbase - Siliguri Line	51.79	
		Unit-VI	160.56	400kV Norbugang-Siliguri Line	17.87	
		Total	807.03	Auxiliary Consumption & Transformation Losses at Generator end	0.81%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	164.17	400kV MHP - Jigmeling Line - I	211.97	400kV MHP-JLG line-II under Shutdown. 400kV JLG-ALI Line-I under Shutdown.
		Unit-II	160.18	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	166.93	400kV MHP - Jigmeling Line - III	218.27	
		Unit-IV	160.43	400kV MHP - Jigmeling Line - IV	219.62	
		-	-	220kV Jigmeling - BitDeer Line - I	175.70	
		-	-	220kV Jigmeling - BitDeer Line - II	90.29	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	370.55	
		-	-	400kV Jigmeling - Alipurdhar Line - I	0.00	
		-	-	400kV Jigmeling - Alipurdhar Line - II	326.55	
		-	-	80MVA, 220/132kV ICT - I (HV)	52.86	
		-	-	80MVA, 220/132kV ICT - II (HV)	52.39	
		-	-	132kV MHP - Yurmo Line - II	33.80	
		-	-	132kV MHP - Tintibi Line	33.00	
		-	-	132kV Gelephu - Salakati Line	-13.29	
		Total	651.71	Auxiliary Consumption & Transformation Losses at Generator end	0.70%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	187.35	400kV PHP II - Jigmeling - I	26.91	Unit- V & VI under AMP.
		Unit-II	187.35	400kV PHP II - Jigmeling - II	26.61	
		Unit-III	186.38	400kV PHP II - Alipurdhar - I	346.68	
		Unit-IV	184.95	400kV PHP II - Alipurdhar - II	346.47	
		Unit-V	0.00	-	-	
		Unit-VI	0.00	-	-	
		Total	746.03	Auxiliary Consumption & Transformation Losses at Generator end	-0.09%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.43	220kV CHP - Birpara Line - I	-61.24	Unit-II & III under Shutdown (Annual Maintenance).
		Unit-II	0.00	220kV CHP - Birpara Line - II	-60.82	
		Unit-III	0.00	220kV CHP - Gedu	-28.90	
		Unit-IV	91.49	220kV CHP - Jamjee - I	111.32	
		-	-	220kV CHP - Jamjee - II	110.20	
		-	-	220kV CHP - Jamjee - III	106.81	
		-	-	220kV Malbase - Birpara Line	-36.40	
		-	-	66kV CHP - Gedu Line	5.53	
		Total	182.92	Auxiliary Consumption & Transformation Losses at Generator end	0.01%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	5.89	220kV BHP - Semtokha Line	0.00	(L/S) Unit -I & II under Shutdown. 220kV BHP-SEM & 220kV BHP-TSI, & 30MVA ICT under Shutdown.
		Unit-II	4.74	66kV BHP - Lobeysa Line	12.27	
		Total	10.63	220kV BHP - Tsiarang Line	0.00	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	0.00	5MVA, 66/11kV TFR	0.31	
		Unit-II	0.00	30MVA ICT, 220/66kV (HV)	0.00	
		Total	0.00	Auxiliary Consumption & Transformation Losses at Generator end	-18.34%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	0.00	220kV DHP - Tsiarang Line	0.00	Total Plant Shutdown from 10:27 hrs (09.10.2025) due to Seepage in HRC. 220kV DHP-Tsiarang line on standby.
		Unit-II	0.00	220kV DHP - Dagapela Line	0.06	
		-	-	220kV BitDeer - Dagapela Line	42.57	
		-	-	5MVA, 220/33kV TFR	0.23	
		Total	0.00	Auxiliary Consumption & Transformation Losses at Generator end	0.00%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.51	132kV KHP - Nangkor Line	53.56	All Units & Feeders are in Service.
		Unit-II	16.57	132kV KHP - Kilikhar Line	11.84	
		Unit-III	16.59	5MVA, 132/11kV TFR	0.27	
		Unit-IV	16.54	132kV Motanga - Rangja Line	27.22	
		Total	66.21	Auxiliary Consumption & Transformation Losses at Generator end	0.82%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	49.94	132kV NHP-MHP-I	49.70	All Units & Feeders are in Service.
		Unit-II	19.99	132kV NHP-MHP-II	19.80	
		Total	69.93	Auxiliary Consumption & Transformation Losses at Generator end	0.61%	
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	5.01	-	-	
		Total	10.01	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	17.38 MWp SSP (Sephu Solar Plant)	Inverter-1	0.72	33kV SSP-Wangdue	3.32	All Inverters & Feeders are in Service.
		Inverter-2	1.30	33kV SSP-Trongsa	2.81	
		Inverter-3	1.30	-	-	
		Inverter-4	1.50	-	-	
		Inverter-5	1.32	-	-	
		Total	6.13	Auxiliary Consumption & Transformation Losses at Generator end	0.03%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	15.17	Test charge not yet done for Unit-I.
		Unit-II	16.01	5MVA, 132/33kV TFR	0.62	
		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	24.78	Test charge not yet done for Unit-I.
		Unit-II	27.44	132kV BSHP-Tintibi	2.36	
		Total	27.44	Auxiliary Consumption & Transformation Losses at Generator end	1.09%	

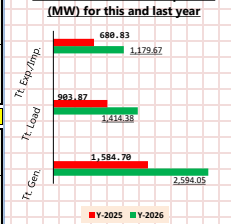
Note: Generation-Load Summary (MW) for 15-May-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,594.05	1,414.38	1,179.67

Note: Generation-Load Summary (MW) for 15-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)	1,584.70	903.87	680.83

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 16-May-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	May 15, 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	178.55	400kV THP - Siliguri Line - I	80.19	Unit-IV under Shutdown.
		Unit-II	100.96	400kV THP - Siliguri Line - II	79.24	
		Unit-III	148.09	400kV THP - Norbugang Line - IV	172.71	
		Unit-IV	0.00	400kV THP - Malbase Line - III	358.64	
		Unit-V	110.70	400kV Malbase - Siliguri Line	10.60	
		Unit-VI	167.99	400kV Norbugang-Siliguri Line	-13.93	
		Total	690.29	Auxiliary Consumption & Transformation Losses at Generator end	-0.07%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	46.14	400kV MHP - Jigmeling Line - I	122.57	400kV MHP-JLG line-II & 400kV Jigmeling_Alipurduar Line-I under Shutdown.
		Unit-II	139.83	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	130.73	400kV MHP - Jigmeling Line - III	126.43	
		Unit-IV	59.92	400kV MHP - Jigmeling Line - IV	126.86	
		-	-	220kV Jigmeling - BitDeer Line - I	193.13	
		-	-	220kV Jigmeling - BitDeer Line - II	83.91	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	394.91	
		-	-	400kV Jigmeling - Alipurduar Line - I	0.00	
		-	-	400kV Jigmeling - Alipurduar Line - II	196.36	
		-	-	80MVA, 220/132kV ICT - I (HV)	59.67	
		-	-	80MVA, 220/132kV ICT - II (HV)	59.15	
		-	-	132kV MHP - Yumo Line - II	24.53	
		-	-	132kV MHP - Tintibi Line	24.61	
		-	-	132kV Gelephu - Salakati Line	-34.69	
		Total	376.62	Auxiliary Consumption & Transformation Losses at Generator end	0.28%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	187.00	400kV PHP II - Jigmeling -I	112.40	Unit -V & VI under AMP.
		Unit-II	181.48	400kV PHP II - Jigmeling -II	111.69	
		Unit-III	185.28	400kV PHP II - Alipurduar -I	256.95	
		Unit-IV	183.80	400kV PHP II - Alipurduar -II	257.01	
		Unit-V	0.00	-	-	
		Unit-VI	0.00	-	-	
		Total	737.56	Auxiliary Consumption & Transformation Losses at Generator end	-0.07%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.26	220kV CHP - Birpara Line - I	-63.00	Unit-II & III under Shutdown (Annual Maintenance).
		Unit-II	0.00	220kV CHP - Birpara Line - II	-62.64	
		Unit-III	0.00	220kV CHP - Gedu	-47.71	
		Unit-IV	91.40	220kV CHP - Jamjee - I	118.67	
		-	-	220kV CHP - Jamjee - II	117.53	
		-	-	220kV CHP - Jamjee - III	113.40	
		-	-	220kV Malbase - Birpara Line	-24.59	
		-	-	66kV CHP - Gedu Line	4.89	
		Total	182.66	Auxiliary Consumption & Transformation Losses at Generator end	0.83%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	3.50	220kV BHP - Semtokha Line	0.00	L/S Unit-II under Shutdown. 220kV BHP-SEM line under Shutdown.
		Unit-II	6.50	66kV BHP - Lobeyssa Line	9.79	
		Total	10.00	220kV BHP - Tsirang Line	19.68	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	20.00	5MVA, 66/11kV TFR	0.71	
		Unit-II	0.00	30MVA ICT, 220/66kV (HV)	0.02	
		Total	20.00	Auxiliary Consumption & Transformation Losses at Generator end	-0.60%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	0.00	220kV DHP - Tsirang Line	0.00	Unit-II Synchronised at 17:25 hrs 220kV DHP-Tsirang Line under Shutdown.
		Unit-II	22.00	220kV DHP - Dagapela Line	21.58	
		-	-	220kV BitDeer - Dagapela Line	21.52	
		-	-	5MVA, 220/33kV TFR	0.50	
		Total	22.00	Auxiliary Consumption & Transformation Losses at Generator end	-0.36%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.31	132kV KHP - Nangkor Line	50.71	All Units & Feeders are in Service.
		Unit-II	16.51	132kV KHP - Kilikhar Line	14.53	
		Unit-III	16.53	5MVA, 132/11kV TFR	0.39	
		Unit-IV	16.55	132kV Motanga - Rangla Line	22.61	
		Total	65.90	Auxiliary Consumption & Transformation Losses at Generator end	0.41%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	24.95	132kV NHP-MHP-I	24.72	All Units & Feeders are in Service.
		Unit-II	25.03	132kV NHP-MHP-II	24.73	
		Total	49.98	Auxiliary Consumption & Transformation Losses at Generator end	1.06%	
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	14.18	Test charge not yet done for Unit-I.
		Unit-II	16.02	5MVA, 132/33kV TFR	1.60	
		Total	16.02	Auxiliary Consumption & Transformation Losses at Generator end	1.50%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	33.38	Test charge not yet done for Unit-I.
		Unit-II	27.51	132kV BSHP-Tintibi	-6.17	
		Total	27.51	Auxiliary Consumption & Transformation Losses at Generator end	1.09%	

Note: Generation-Load Summary (MW) for 15-May-2026 at 18:00 hrs

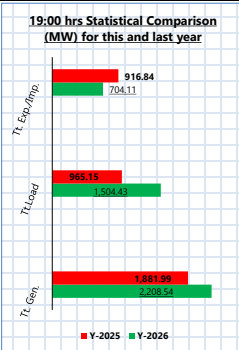
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,208.54	1,504.43	704.11

Note: Generation-Load Summary (MW) for 15-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)	1,881.99	965.15	916.84

Note: Daily Energy (MUS) and Power(MW) Statistics for 15-May-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	53.92	34.45	19.47	17.81	1,185.38



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.