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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 27-May-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	May 26, 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	170.45	400kV THP - Siliguri Line - I	188.27	All Units & Feeders are in Service.
		Unit-II	170.83	400kV THP - Siliguri Line - II	186.21	
		Unit-III	170.07	400kV THP - Norbugang - IV	213.56	
		Unit-IV	160.29	400kV THP - Malbase Line - III	392.46	
		Unit-V	156.54	400kV Malbase - Siliguri Line	127.08	
		Unit-VI	160.23	400kV Norbugang-Siliguri Line	18.89	
		Total	988.41	Auxiliary Consumption & Transformation Losses at Generator end	0.80%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	75.50	400kV MHP - Jigmeling Line - I	151.30	400kV MHP-JLG line- III on standby.
		Unit-II	149.74	400kV MHP - Jigmeling Line - II	151.13	
		Unit-III	150.32	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	76.09	400kV MHP - Jigmeling Line - IV	148.00	
		-	-	220kV Jigmeling - BitDeer Line - I	99.19	
		-	-	220kV Jigmeling - BitDeer Line - II	147.13	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	339.64	
		-	-	400kV Jigmeling - Alipurduar Line - I	131.64	
		-	-	400kV Jigmeling - Alipurduar Line - II	130.18	
		-	-	80MVA, 220/132kV ICT - I (HV)	47.40	
		-	-	80MVA, 220/132kV ICT - II (HV)	47.08	
		-	-	132kV MHP - Yurmo Line - II	29.26	
		-	-	132kV MHP - Tintibi Line	30.93	
		-	-	132kV Gelephu - Salakati Line	-33.14	
		Total	451.65	Auxiliary Consumption & Transformation Losses at Generator end	0.13%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	132.85	400kV PHP II - Jigmeling - I	78.11	Unit- V & VI under AMP.
		Unit-II	124.87	400kV PHP II - Jigmeling - II	77.45	
		Unit-III	121.19	400kV PHP II - Alipurduar - I	172.92	
		Unit-IV	120.30	400kV PHP II - Alipurduar - II	173.35	
		Unit-V	0.00	-	-	
		Unit-VI	0.00	-	-	
		Total	499.21	Auxiliary Consumption & Transformation Losses at Generator end	-0.52%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.43	220kV CHP - Birpara Line - I	-30.52	Unit-II & III under Shutdown (Annual Maintenance).
		Unit-II	0.00	220kV CHP - Birpara Line - II	-30.14	
		Unit-III	0.00	220kV CHP - Gedu	-20.55	
		Unit-IV	91.63	220kV CHP - Jamjee - I	87.84	
		-	-	220kV CHP - Jamjee - II	86.50	
		-	-	220kV CHP - Jamjee - III	84.01	
		-	-	220kV Malbase - Birpara Line	6.93	
		-	-	66kV CHP - Gedu Line	4.55	
		Total	183.06	Auxiliary Consumption & Transformation Losses at Generator end	0.75%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	3.96	220kV BHP - Semtokha Line	49.58	All Units & Feeders are in Service.
		Unit-II	3.70	66kV BHP - Lobeysa Line	19.20	
		Total	7.66	220kV BHP - Tsirang Line	-42.69	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	9.50	5MVA, 66/11kV TFR	0.31	All Units & Feeders are in Service.
		Unit-II	9.23	30MVA ICT, 220/66kV (HV)	11.62	
		Total	18.73	Auxiliary Consumption & Transformation Losses at Generator end	-0.04%	
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	47.04	220kV DHP - Dagapela Line	46.50	
		-	-	220kV BitDeer - Dagapela Line	3.41	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	47.04	Auxiliary Consumption & Transformation Losses at Generator end	0.72%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.48	132kV KHP - Nangkor Line	53.30	All Units & Feeders are in Service.
		Unit-II	16.51	132kV KHP - Kilikhar Line	12.05	
		Unit-III	16.59	5MVA, 132/11kV TFR	0.28	
		Unit-IV	16.56	132kV Motanga - Rangja Line	28.48	
		Total	66.14	Auxiliary Consumption & Transformation Losses at Generator end	0.77%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	20.01	132kV NHP-MHP-I	19.81	All Units & Feeders are in Service.
		Unit-II	40.01	132kV NHP-MHP-II	39.73	
		Total	60.02	Auxiliary Consumption & Transformation Losses at Generator end	0.80%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.04	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.
		Unit-II	5.00	-	-	
		Total	10.04	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	17.38 MWp SSP (Sephu Solar Plant)	Inverter-1	0.55	33kV SSP-Wangdue	2.58	All Inverters & Feeders are in Service.
		Inverter-2	1.05	33kV SSP-Trongsa	2.27	
		Inverter-3	0.99	-	-	
		Inverter-4	1.22	-	-	
		Inverter-5	1.06	-	-	
		Total	4.87	Auxiliary Consumption & Transformation Losses at Generator end	0.33%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	14.92	Unit-I opened at 03:28hrs (insufficient inflow)
		Unit-II	16.02	5MVA, 132/33kV TFR	0.88	
		Total	16.02	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	8.51	Test charge not yet done for Unit-I.
		Unit-II	20.50	132kV BSHP-Tintibi	11.79	
		Total	20.50	Auxiliary Consumption & Transformation Losses at Generator end	0.98%	

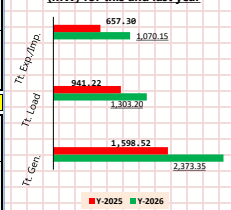
Note: Generation-Load Summary (MW) for 26-May-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,373.35	1,303.20	1,070.15

Note: Generation-Load Summary (MW) for 26-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)	1,598.52	941.22	657.30

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 27-May-2026(-ve:import, +ve:export)							
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time	Load
	May 26, 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	144.62	400kV THP - Siliguri Line - I	100.64	All Units & Feeders are in Service.	
		Unit-II	101.01	400kV THP - Siliguri Line - II	99.68		
		Unit-III	90.10	400kV THP - Norbugang Line - IV	159.19		
		Unit-IV	90.51	400kV THP - Malbase Line - III	321.16		
		Unit-V	100.17	400kV Malbase - Siliguri Line	43.63		
		Unit-VI	160.18	400kV Norbugang-Siliguri Line	17.39		
		Total	686.59	Auxiliary Consumption & Transformation Losses at Generator end	0.86%		
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	79.90	400kV MHP - Jigmeling Line - I	161.51	400kV MHP-JLG line-III under shutdown. 400kV JLG-ALI Line I under shutdown.	
		Unit-II	163.78	400kV MHP - Jigmeling Line - II	161.15		
		Unit-III	161.95	400kV MHP - Jigmeling Line - III	0.00		
		Unit-IV	76.08	400kV MHP - Jigmeling Line - IV	157.70		
		-	-	220kV Jigmeling - BitDeer Line - I	168.21		
		-	-	220kV Jigmeling - BitDeer Line - II	175.58		
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	450.55		
		-	-	400kV Jigmeling - Alipurdwar Line - I	0.00		
		-	-	400kV Jigmeling - Alipurdwar Line - II	177.46		
		-	-	80MVA, 220/132kV ICT - I (HV)	54.09		
		-	-	80MVA, 220/132kV ICT - II (HV)	53.58		
		-	-	132kV MHP - Yumo Line - II	29.49		
		-	-	132kV MHP - Tintibi Line	29.43		
		-	-	132kV Gelephu - Salakati Line	-39.43		
		Total	481.71	Auxiliary Consumption & Transformation Losses at Generator end	0.38%		
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	150.00	400kV PHP II - Jigmeling -I	77.16	Unit -V & VI under AMP.	
		Unit-II	150.02	400kV PHP II - Jigmeling -II	76.70		
		Unit-III	150.50	400kV PHP II - Alipurdwar -I	220.27		
		Unit-IV	139.38	400kV PHP II - Alipurdwar -II	220.59		
		Unit-V	0.00	-	-		
		Unit-VI	0.00	-	-		
		Total	589.90	Auxiliary Consumption & Transformation Losses at Generator end	-0.82%		
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.43	220kV CHP - Birpara Line - I	-37.41	Unit-II & III under Shutdown (Annual Maintenance).	
		Unit-II	0.00	220kV CHP - Birpara Line - II	-37.22		
		Unit-III	0.00	220kV CHP - Gedu	-19.34		
		Unit-IV	91.63	220kV CHP - Jamjee - I	93.12		
		-	-	220kV CHP - Jamjee - II	91.99		
		-	-	220kV CHP - Jamjee - III	89.18		
		-	-	220kV Malbase - Birpara Line	-3.97		
		-	-	66kV CHP - Gedu Line	0.90		
		Total	183.06	Auxiliary Consumption & Transformation Losses at Generator end	1.01%		
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	3.40	220kV BHP - Semtokha Line	61.03	All Units & Feeders are in Service	
		Unit-II	4.10	66kV BHP - Lobeysa Line	23.38		
		Total	7.50	220kV BHP - Tsirang Line	-64.46		
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	6.77	5MVA, 66/11kV TFR	0.69		
		Unit-II	6.31	30MVA ICT, 220/66kV (HV)	16.72		
		Total	13.08	Auxiliary Consumption & Transformation Losses at Generator end	-0.29%		
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	43.03	220kV DHP - Dagapela Line	42.00		
		-	-	220kV BitDeer - Dagapela Line	7.93		
		-	-	5MVA, 220/33kV TFR	0.30		
		Total	43.03	Auxiliary Consumption & Transformation Losses at Generator end	-0.16%		
8	4 x 15 MW KHP (Kurichhu)	Unit-I	12.64	132kV KHP - Nangkhor Line	44.46	All Units & Feeders are in Service.	
		Unit-II	12.62	132kV KHP - Kilikhar Line	5.33		
		Unit-III	12.66	5MVA, 132/11kV TFR	0.41		
		Unit-IV	12.65	132kV Motanga - Rangia Line	22.65		
		Total	50.57	Auxiliary Consumption & Transformation Losses at Generator end	0.73%		
9	2 x 59 MW NHP (Nikachhu)	Unit-I	20.18	132kV NHP-MHP-I	19.71	All Units & Feeders are in Service.	
		Unit-II	40.06	132kV NHP-MHP-II	39.70		
		Total	60.24	Auxiliary Consumption & Transformation Losses at Generator end	1.38%		
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.04	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.	
		Unit-II	5.00	-	-		
		Total	10.04	Auxiliary Consumption & Transformation Losses at Generator end	100.00%		
11	2 x 16 MW YHP (Yungichhu)	Unit-I	7.40	132kV YHP-Kilikhar	21.72		
		Unit-II	16.01	5MVA, 132/33kV TFR	1.35		
		Total	23.41	Auxiliary Consumption & Transformation Losses at Generator end	1.45%		
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	22.24	Test charge not yet done for Unit-I.	
		Unit-II	20.52	132kV BSHP-Tintibi	-1.97		
		Total	20.52	Auxiliary Consumption & Transformation Losses at Generator end	1.22%		

Note: Generation-Load Summary (MW) for 26-May-2026 at 18:00 hrs

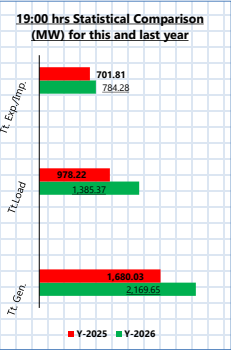
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,169.65	1,385.37	784.28

Note: Generation-Load Summary (MW) for 26-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)	1,680.03	978.22	701.81

Note: Daily Energy (MUS) and Power(MW) Statistics for 26-May-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	310.85	31.29	0.00	20.00	1,385.40



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.