



འབྲུག་རྒྱལ་ཁབ་རྒྱུ་རྩུབ་ལྷན་ཁག་གི་འཕུལ་གསལ་ལྷན་ཁག་
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 02-Jun-2026(-ve:import, +ve:export)									
Report Details		Date		Time		National Coincidental Peak Load (MW)		Date	
		June 1, 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	50.18	400kV THP - Siliguri Line - I			15.66	Unit-V on Standby All Feeders are in Service.	
		Unit-II	65.43	400kV THP - Siliguri Line - II			14.65		
		Unit-III	59.93	400kV THP - Norbugang - IV			106.31		
		Unit-IV	95.55	400kV THP - Malbase Line - III			228.72		
		Unit-V	0.00	400kV Malbase - Siliguri Line			-33.34		
		Unit-VI	98.30	400kV Norbugang-Siliguri Line			-44.51		
		Total	369.39	Auxiliary Consumption & Transformation Losses at Generator end			1.10%		
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	49.82	400kV MHP - Jigmeling Line - I			116.53	400kV MHP-JLG line- III on Standby.	
		Unit-II	50.74	400kV MHP - Jigmeling Line - II			115.77		
		Unit-III	81.21	400kV MHP - Jigmeling Line - III			0.00		
		Unit-IV	163.31	400kV MHP - Jigmeling Line - IV			113.12		
		-	-	220kV Jigmeling - BitDeer Line - I			179.60		
		-	-	220kV Jigmeling - BitDeer Line - II			163.35		
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)			442.55		
		-	-	400kV Jigmeling - Alipurdhar Line - I			53.82		
		-	-	400kV Jigmeling - Alipurdhar Line - II			53.09		
		-	-	80MVA, 220/132kV ICT - I (HV)			50.08		
		-	-	80MVA, 220/132kV ICT - II (HV)			49.62		
		-	-	132kV MHP - Yurmo Line - II			24.52		
		-	-	132kV MHP - Tintibi Line			99.28		
		-	-	132kV Gelephu - Salakati Line			-40.18		
		Total	345.08	Auxiliary Consumption & Transformation Losses at Generator end			-21.59%		
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	141.00	400kV PHP II - Jigmeling-I			104.64	Unit-VI & III under AMP, Unit-V on Standby.	
		Unit-II	139.19	400kV PHP II - Jigmeling-II			104.05		
		Unit-III	0.00	400kV PHP II - Alipurdhar-I			107.84		
		Unit-IV	140.01	400kV PHP II - Alipurdhar-II			108.34		
		Unit-V	0.00				-		
		Unit-VI	0.00				-		
		Total	420.20	Auxiliary Consumption & Transformation Losses at Generator end			-1.11%		
4	4 x 84 MW CHP (Chukha)	Unit-I	49.62	220kV CHP - Birpara Line - I			-35.48	Unit-IV under shutdown. All Feeders are in Service.	
		Unit-II	91.16	220kV CHP - Birpara Line - II			-35.19		
		Unit-III	54.78	220kV CHP - Gedu			-13.65		
		Unit-IV	0.00	220kV CHP - Jamjee - I			92.35		
		-	-	220kV CHP - Jamjee - II			92.00		
		-	-	220kV CHP - Jamjee - III			88.39		
		-	-	220kV Malbase - Birpara Line			-1.78		
		-	-	66kV CHP - Gedu Line			7.45		
		Total	195.56	Auxiliary Consumption & Transformation Losses at Generator end			-0.16%		
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	0.00	220kV BHP - Semtokha Line			20.78	U/S unit-I & L/S unit-II on Standby. All Feeders are in Service.	
		Unit-II	6.59	66kV BHP - Lobeysa Line			15.05		
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	13.59	220kV BHP - Tsirang Line			-15.97		
		Unit-II	0.00	5MVA, 66/11kV TFR			0.24		
7	2 x 63 MW DHP (Dagachhu)	Unit-I	25.00	30MVA ICT, 220/66kV (HV)			8.80		
		Unit-II	0.00	Auxiliary Consumption & Transformation Losses at Generator end			0.40%		
		Unit-I	25.00	220kV DHP - Tsirang Line			0.00		
		Unit-II	0.00	220kV DHP - Dagapela Line			24.96		
		-	-	220kV BitDeer - Dagapela Line			24.56		
8	4 x 15 MW KHP (Kurichhu)	-	-	5MVA, 220/33kV TFR			0.03	220kV DHP-Tsirang line on Standby. Unit-II on Standby.	
		Total	25.00	Auxiliary Consumption & Transformation Losses at Generator end			0.04%		
		Unit-I	16.21	132kV KHP - Nangkor Line			42.02		
		Unit-II	16.14	132kV KHP - Kilikhar Line			5.74		
		Unit-III	16.13	5MVA, 132/11kV TFR			0.34		
9	2 x 59 MW NHP (Nikachhu)	Unit-IV	0.00	132kV Motanga - Rangja Line			18.17	Unit-IV on Standby. Feeders are in Service.	
		Total	48.48	Auxiliary Consumption & Transformation Losses at Generator end			0.78%		
		Unit-I	25.06	132kV NHP-MHP-I			24.79		
		Unit-II	24.94	132kV NHP-MHP-II			24.83		
		Total	50.00	Auxiliary Consumption & Transformation Losses at Generator end			0.76%		
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				-		
11	17.38 MWp SSP (Sephu Solar Plant)	Total	0.00	Auxiliary Consumption & Transformation Losses at Generator end			0.00%	All Inverters & Feeders are in Service.	
		Inverter-1	2.05	33kV SSP-Wangdue			8.67		
		Inverter-2	3.32	33kV SSP-Trongsa			8.12		
		Inverter-3	3.31				-		
		Inverter-4	4.40				-		
12	2 x 16 MW YHP (Yungichhu)	Inverter-5	3.73				-		
		Total	16.81	Auxiliary Consumption & Transformation Losses at Generator end			0.12%		
		Unit-I	5.17	132kV YHP-Kilikhar			17.90		
		Unit-II	13.52	5MVA, 132/33kV TFR			0.55		
		Total	18.69	Auxiliary Consumption & Transformation Losses at Generator end			1.28%		
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang			18.40	Test charge not yet done for Unit-I.	
		Unit-II	27.50	132kV BSHP-Tintibi			8.81		
		Total	27.50	Auxiliary Consumption & Transformation Losses at Generator end			1.05%		

Note: Generation-Load Summary (MW) for 01-Jun-26 at 09:00 hrs

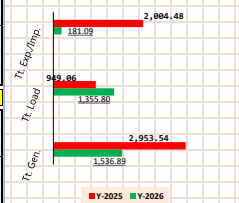
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	1,536.89	1,355.80	181.09

Note: Generation-Load Summary (MW) for 01-Jun-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)	2,953.54	949.06	2,004.48

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 02-Jun-2026(+ve:import,+ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	June 1, 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	128.59	400kV THP - Siliguri Line - I	45.82	Unit-III & Unit-V on Standby. All Feeders are in Service.
		Unit-II	140.41	400kV THP - Siliguri Line - II	44.98	
		Unit-III	0.00	400kV THP - Norbugang Line - IV	131.85	
		Unit-IV	135.44	400kV THP - Malbase Line - III	277.52	
		Unit-V	0.00	400kV Malbase - Siliguri Line	-8.77	
		Unit-VI	100.33	400kV Norbugang-Siliguri Line	-27.06	
		Total	504.77	Auxiliary Consumption & Transformation Losses at Generator end	0.91%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	135.23	400kV MHP - Jigmeling Line - I	118.91	Unit-IV under Shutdown. 400kV MHP-JLG line-III on Standby.
		Unit-II	66.23	400kV MHP - Jigmeling Line - II	118.38	
		Unit-III	151.54	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	0.00	400kV MHP - Jigmeling Line - IV	115.62	
		-	-	220kV Jigmeling - BitDeer Line - I	171.22	
		-	-	220kV Jigmeling - BitDeer Line - II	156.69	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	449.82	
		-	-	400kV Jigmeling - Aliparduar Line - I	53.82	
		-	-	400kV Jigmeling - Aliparduar Line - II	53.09	
		-	-	80MVA, 220/132kV ICT - I (HV)	61.27	
		-	-	80MVA, 220/132kV ICT - II (HV)	60.72	
		-	-	132kV MHP - Yumo Line - II	24.77	
		-	-	132kV MHP - Tintibi Line	24.29	
		-	-	132kV Gelephu - Salakati Line	-44.47	
		Total	353.00	Auxiliary Consumption & Transformation Losses at Generator end	0.14%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	140.00	400kV PHP II - Jigmeling -I	104.71	Unit-III & VI under AMP. Unit V on Standby
		Unit-II	140.00	400kV PHP II - Jigmeling -II	103.93	
		Unit-III	0.00	400kV PHP II - Aliparduar -I	108.37	
		Unit-IV	139.86	400kV PHP II - Aliparduar -II	108.78	
		Unit-V	0.00	-	-	
		Unit-VI	0.00	-	-	
		Total	419.94	Auxiliary Consumption & Transformation Losses at Generator end	-1.39%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	73.60	220kV CHP - Birpara Line - I	-29.24	Unit-III under Shutdown. All Units & Feeders are in Service.
		Unit-II	91.30	220kV CHP - Birpara Line - II	-28.88	
		Unit-III	0.00	220kV CHP - Gedu	0.98	
		Unit-IV	74.52	220kV CHP - Jamjee - I	99.37	
		-	-	220kV CHP - Jamjee - II	98.49	
		-	-	220kV CHP - Jamjee - III	95.02	
		-	-	220kV Malbase - Birpara Line	-5.40	
		-	-	66kV CHP - Gedu Line	2.03	
		Total	239.42	Auxiliary Consumption & Transformation Losses at Generator end	0.69%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	0.00	220kV BHP - Sertokha Line	23.97	U/S Unit I and L/S Unit II on Standby.
		Unit-II	6.30	66kV BHP - Lobeysa Line	20.68	
		Total	6.30	220kV BHP - Tsirang Line	-26.84	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	12.05	5MVA, 66/11kV TFR	0.67	
		Unit-II	0.00	30MVA ICT, 220/66kV (HV)	15.02	
		Total	12.05	Auxiliary Consumption & Transformation Losses at Generator end	-0.71%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	23.70	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby. Unit-II on Standby.
		Unit-II	0.00	220kV DHP - Dagapela Line	23.62	
		-	-	220kV BitDeer - Dagapela Line	25.42	
		-	-	5MVA, 220/33kV TFR	0.50	
		Total	23.70	Auxiliary Consumption & Transformation Losses at Generator end	-1.77%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	12.59	132kV KHP - Nangkor Line	38.79	All Units & Feeders are in Service.
		Unit-II	12.62	132kV KHP - Kilikhar Line	10.88	
		Unit-III	12.65	5MVA, 132/11kV TFR	0.41	
		Unit-IV	12.70	132kV Motanga - Rangla Line	19.75	
		Total	50.56	Auxiliary Consumption & Transformation Losses at Generator end	0.95%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	25.00	132kV NHP-MHP-I	24.72	All Units & Feeders are in Service.
		Unit-II	24.97	132kV NHP-MHP-II	24.73	
		Total	49.97	Auxiliary Consumption & Transformation Losses at Generator end	1.04%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.00	66kV SHP-Damdum (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	6.22	132kV YHP-Kilikhar	13.89	All Units & Feeders are in Service.
		Unit-II	9.01	5MVA, 132/33kV TFR	1.14	
		Total	15.23	Auxiliary Consumption & Transformation Losses at Generator end	1.31%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	33.90	Test charge not yet done for Unit-I.
		Unit-II	27.50	132kV BSHP-Tintibi	-6.74	
		Total	27.50	Auxiliary Consumption & Transformation Losses at Generator end	1.24%	

Note: Generation-Load Summary (MW) for 01-Jun-2026 at 18:00 hrs

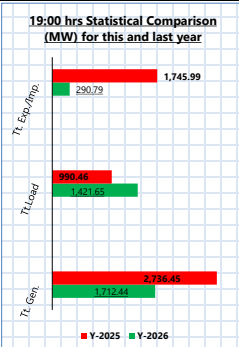
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	1,712.44	1,421.65	290.79

Note: Generation-Load Summary (MW) for 01-Jun-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)	2,736.45	990.46	1,745.99

Note: Daily Energy (MUS) and Power(MW) Statistics for 01-Jun-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	38.71	33.03	0.00	5.33	396.53



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.