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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 12-Jun-2026(+ve:import, -ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	June 11, 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	114.68	400kV THP - Siliguri Line - I	42.45	Unit-II & III on Standby All Feeders are in Service.
		Unit-II	0.00	400kV THP - Siliguri Line - II	40.94	
		Unit-III	0.00	400kV THP - Norbugang - IV	124.64	
		Unit-IV	70.60	400kV THP - Malbase Line - III	252.83	
		Unit-V	140.14	400kV Malbase - Siliguri Line	-2.18	
		Unit-VI	139.95	400kV Norbugang-Siliguri Line	-24.75	
		Total	465.37	Auxiliary Consumption & Transformation Losses at Generator end	0.97%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	145.14	400kV MHP - Jigmeling Line - I	178.02	400kV MHP-JLG line- II tripped and on Line-Patrolling.
		Unit-II	147.16	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	79.34	400kV MHP - Jigmeling Line - III	184.43	
		Unit-IV	174.19	400kV MHP - Jigmeling Line - IV	184.17	
		-	-	220kV Jigmeling - BitDeer Line - I	165.10	
		-	-	220kV Jigmeling - BitDeer Line - II	149.91	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	404.73	
		-	-	400kV Jigmeling - Alipurduar Line - I	155.64	
		-	-	400kV Jigmeling - Alipurduar Line - II	154.91	
		-	-	80MVA, 220/132kV ICT - I (HV)	45.43	
		-	-	80MVA, 220/132kV ICT - II (HV)	44.98	
		-	-	132kV MHP - Yurmo Line - II	52.36	
		-	-	132kV MHP - Tintibi Line	15.32	
		-	-	132kV Gelephu - Salakati Line	-33.69	
		Total	545.83	Auxiliary Consumption & Transformation Losses at Generator end	0.20%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	186.99	400kV PHP II - Jigmeling-I	83.38	Unit-II under Shutdown. Unit-VI & III under AMP.
		Unit-II	0.00	400kV PHP II - Jigmeling-II	82.91	
		Unit-III	0.00	400kV PHP II - Alipurduar-I	196.69	
		Unit-IV	187.00	400kV PHP II - Alipurduar-II	197.23	
		Unit-V	186.97	-	-	
		Unit-VI	0.00	-	-	
		Total	560.96	Auxiliary Consumption & Transformation Losses at Generator end	0.13%	
4	4 x 84 MW CHP (Chukha)	Unit-I	59.88	220kV CHP - Birpara Line - I	-28.81	All Units & Feeders are in Service.
		Unit-II	55.03	220kV CHP - Birpara Line - II	-28.61	
		Unit-III	55.08	220kV CHP - Gedu	50.83	
		Unit-IV	59.75	220kV CHP - Jamjee - I	78.32	
		-	-	220kV CHP - Jamjee - II	76.30	
		-	-	220kV CHP - Jamjee - III	75.84	
		-	-	220kV Malbase - Birpara Line	-38.08	
		-	-	66kV CHP - Gedu Line	5.76	
		Total	229.74	Auxiliary Consumption & Transformation Losses at Generator end	0.05%	
5	2 x 12 MW BHP (U/S) (Basochu)	Unit-I	9.12	220kV BHP - Semtokha Line	68.24	All Units and Feeders are in Service.
		Unit-II	9.30	66kV BHP - Lobeysa Line	21.54	
		Total	18.42	220kV BHP - Tsirang Line	-33.14	
6	2 x 20 MW BHP (L/S) (Basochu)	Unit-I	19.14	5MVA, 66/11kV TFR	0.33	All Units and Feeders are in Service.
		Unit-II	19.50	30MVA ICT, 220/66kV (HV)	3.27	
		Total	38.64	Auxiliary Consumption & Transformation Losses at Generator end	0.16%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	38.47	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	35.01	220kV DHP - Dagapela Line	73.01	
		-	-	220kV BitDeer - Dagapela Line	-23.12	
		-	-	5MVA, 220/33kV TFR	0.25	
		Total	73.48	Auxiliary Consumption & Transformation Losses at Generator end	0.30%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.55	132kV KHP - Nangkor Line	53.37	All Units and Feeders are in Service.
		Unit-II	16.52	132kV KHP - Kilikhar Line	11.99	
		Unit-III	16.49	5MVA, 132/11kV TFR	0.35	
		Unit-IV	16.57	132kV Motanga - Rangja Line	26.02	
		Total	66.13	Auxiliary Consumption & Transformation Losses at Generator end	0.64%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	25.05	132kV NHP-MHP-I	34.74	Units and Feeders are in Service.
		Unit-II	44.92	132kV NHP-MHP-II	34.80	
		Total	69.97	Auxiliary Consumption & Transformation Losses at Generator end	0.61%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.07	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.
		Unit-II	5.02	-	-	
		Total	10.09	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	17.38 MWp SSP (Sephu Solar Plant)	Inverter-1	1.05	33kV SSP-Wangdue	6.29	All Inverters & Feeders are in Service.
		Inverter-2	2.07	33kV SSP-Trongsa	7.02	
		Inverter-3	3.17	-	-	
		Inverter-4	3.14	-	-	
		Inverter-5	3.88	-	-	
		Total	13.31	Auxiliary Consumption & Transformation Losses at Generator end	0.00%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	15.12	Unit-I on Standby.
		Unit-II	16.00	5MVA, 132/33kV TFR	0.65	
		Total	16.00	Auxiliary Consumption & Transformation Losses at Generator end	1.44%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	16.10	Test charge not yet done for Unit-I.
		Unit-II	26.48	132kV BSHP-Tintibi	10.30	
		Total	26.48	Auxiliary Consumption & Transformation Losses at Generator end	0.30%	

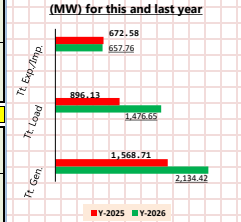
Note: Generation-Load Summary (MW) for 11-Jun-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,134.42	1,476.65	657.76

Note: Generation-Load Summary (MW) for 11-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)	1,568.71	896.13	672.58

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 12-Jun-2026(-ve:import,+ve:export)						
Report	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	June 11, 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	114.71	400kV THP - Siliguri Line - I	24.45	Unit-III & Unit-II on Standby. All Feeders are in Service.
		Unit-II	0.00	400kV THP - Siliguri Line - II	23.62	
		Unit-III	0.00	400kV THP - Norbugang Line - IV	117.96	
		Unit-IV	48.43	400kV THP - Malbase Line - III	255.23	
		Unit-V	130.19	400kV Malbase - Siliguri Line	-28.52	
		Unit-VI	139.94	400kV Norbugang-Siliguri Line	-43.20	
		Total	425.27	Auxiliary Consumption & Transformation Losses at Generator end	0.94%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	164.75	400kV MHP - Jigmeling Line - I	163.08	400kV MHP-JLG line- II tripped and on Line- Patrolling.
		Unit-II	80.81	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	80.77	400kV MHP - Jigmeling Line - III	169.21	
		Unit-IV	174.31	400kV MHP - Jigmeling Line - IV	168.85	
		-	-	220kV Jigmeling - BitDeer Line - I	179.41	
		-	-	220kV Jigmeling - BitDeer Line - II	163.33	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	447.27	
		-	-	400kV Jigmeling - Alipurdur Line - I	125.09	
		-	-	400kV Jigmeling - Alipurdur Line - II	123.64	
		-	-	80MVA, 220/132kV ICT - I (HV)	52.93	
		-	-	80MVA, 220/132kV ICT - II (HV)	52.51	
		-	-	132kV MHP - Yumo Line - II	60.75	
		-	-	132kV MHP - Tintibi Line	7.88	
		-	-	132kV Gelephu - Salakati Line	-37.00	
		Total	500.64	Auxiliary Consumption & Transformation Losses at Generator end	0.06%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	186.00	400kV PHP II - Jigmeling -I	101.06	Unit II under Shutdown. Unit-VI & III under AMP.
		Unit-II	0.00	400kV PHP II - Jigmeling -II	100.51	
		Unit-III	0.00	400kV PHP II - Alipurdur -I	178.92	
		Unit-IV	187.00	400kV PHP II - Alipurdur -II	178.95	
		Unit-V	187.00	-	-	
		Unit-VI	0.00	-	-	
		Total	560.00	Auxiliary Consumption & Transformation Losses at Generator end	0.10%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	59.57	220kV CHP - Birpara Line - I	-33.25	All Units & Feeders are in Service..
		Unit-II	59.54	220kV CHP - Birpara Line - II	-32.93	
		Unit-III	54.72	220kV CHP - Gedu	27.41	
		Unit-IV	55.85	220kV CHP - Jamjee - I	88.41	
		-	-	220kV CHP - Jamjee - II	87.90	
		-	-	220kV CHP - Jamjee - III	84.49	
		-	-	220kV Malbase - Birpara Line	-33.22	
		-	-	66kV CHP - Gedu Line	5.62	
		Total	229.68	Auxiliary Consumption & Transformation Losses at Generator end	0.88%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	5.53	220kV BHP - Sertokha Line	53.41	All Units & Feeders are in Service.
		Unit-II	5.54	66kV BHP - Lobeysa Line	23.55	
		Total	11.07	220kV BHP - Tsirang Line	-43.00	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	11.92	5MVA, 66/11kV TFR	0.64	
		Unit-II	12.14	30MVA ICT, 220/66kV (HV)	12.13	
		Total	24.06	Auxiliary Consumption & Transformation Losses at Generator end	1.51%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	37.46	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby. Unit-II on Standby.
		Unit-II	0.00	220kV DHP - Dagapela Line	37.30	
		-	-	220kV BitDeer - Dagapela Line	20.21	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	37.46	Auxiliary Consumption & Transformation Losses at Generator end	-0.11%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.55	132kV KHP - Nangkor Line	51.28	All Units & Feeders are in Service.
		Unit-II	16.51	132kV KHP - Kilikhar Line	14.06	
		Unit-III	16.56	5MVA, 132/11kV TFR	0.44	
		Unit-IV	16.66	132kV Motanga - Rangla Line	30.01	
		Total	66.28	Auxiliary Consumption & Transformation Losses at Generator end	0.75%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	25.17	132kV NHP-MHP-I	34.72	All Units & Feeders are in Service.
		Unit-II	44.96	132kV NHP-MHP-II	34.73	
		Total	70.13	Auxiliary Consumption & Transformation Losses at Generator end	0.97%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.07	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.
		Unit-II	5.02	-	-	
		Total	10.09	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	14.54	Unit I on Standby.
		Unit-II	16.00	5MVA, 132/33kV TFR	1.22	
		Total	16.00	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	16.68	Test charge not yet done for Unit-I.
		Unit-II	27.43	132kV BSHP-Tintibi	10.42	
		Total	27.43	Auxiliary Consumption & Transformation Losses at Generator end	1.20%	

Note: Generation-Load Summary (MW) for 11-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)	1,978.11	1,501.55	476.56

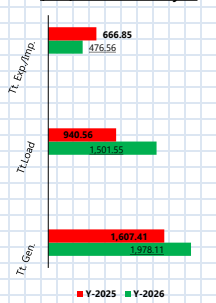
Note: Generation-Load Summary (MW) for 11-Jun-2025, at 19:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	1,607.41	940.56	666.85

Note: Daily Energy (MUS) and Power(MW) Statistics for 11-Jun-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	49.34	34.99	0.00	14.35	941.77

19:00 hrs Statistical Comparison
(MW) for this and last year



- 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.
 - 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.