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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-Jun-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	June 19, 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	40.67	400kV THP - Siliguri Line - I	74.37	Unit-II & III on Standby
		Unit-II	121.03	400kV THP - Siliguri Line - II	73.04	
		Unit-III	0.00	400kV THP - Norbugang - IV	143.59	
		Unit-IV	150.41	400kV THP - Malbase Line - III	281.69	
		Unit-V	143.65	400kV Malbase - Siliguri Line	21.72	
		Unit-VI	120.34	400kV Norbugang-Siliguri Line	-1.22	
		Total	576.10	Auxiliary Consumption & Transformation Losses at Generator end	0.94%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	135.21	400kV MHP - Jigmeling Line - I	183.12	400kV MHP-JLG line- II under shutdown.
		Unit-II	134.20	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	142.55	400kV MHP - Jigmeling Line - III	189.64	
		Unit-IV	150.30	400kV MHP - Jigmeling Line - IV	189.57	
		-	-	220kV Jigmeling - BitDeer Line - I	180.21	
		-	-	220kV Jigmeling - BitDeer Line - II	163.56	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	421.46	
		-	-	400kV Jigmeling - Alipurduar Line - I	160.73	
		-	-	400kV Jigmeling - Alipurduar Line - II	159.27	
		-	-	80MVA, 220/132kV ICT - I (HV)	39.37	
		-	-	80MVA, 220/132kV ICT - II (HV)	38.98	
		-	-	132kV MHP - Yurmo Line - II	51.84	
		-	-	132kV MHP - Tintibi Line	36.52	
		-	-	132kV Gelephu - Salakati Line	-27.29	
		Total	562.26	Auxiliary Consumption & Transformation Losses at Generator end	0.17%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	150.32	400kV PHP-II - Jigmeling - I	92.96	Unit-II under Shutdown. Unit-III under AMP.
		Unit-II	0.00	400kV PHP-II - Jigmeling - II	92.31	
		Unit-III	0.00	400kV PHP-II - Alipurduar - I	210.89	
		Unit-IV	149.23	400kV PHP-II - Alipurduar - II	210.83	
		Unit-V	149.96	-	-	
		Unit-VI	150.77	-	-	
		Total	600.28	Auxiliary Consumption & Transformation Losses at Generator end	-1.12%	
4	4 x 84 MW CHP (Chukha)	Unit-I	67.46	220kV CHP - Birpara Line - I	-20.41	All Units & Feeders are in Service.
		Unit-II	67.38	220kV CHP - Birpara Line - II	-20.28	
		Unit-III	67.56	220kV CHP - Gedu	55.53	
		Unit-IV	66.68	220kV CHP - Jamjee - I	85.44	
		-	-	220kV CHP - Jamjee - II	82.00	
		-	-	220kV CHP - Jamjee - III	84.44	
		-	-	220kV Malbase - Birpara Line	-33.61	
		-	-	66kV CHP - Gedu Line	2.10	
5	2 x 12 MW BHP (U/S) (Basochu)	Unit-I	5.50	220kV BHP - Semtokha Line	47.03	All Units and Feeders are in Service.
		Unit-II	5.80	66kV BHP - Lobeysa Line	19.76	
		Total	11.30	220kV BHP - Tsirang Line	-36.55	
6	2 x 20 MW BHP (L/S) (Basochu)	Unit-I	9.50	5MVA, 66/11kV TFR	0.41	All Units and Feeders are in Service.
		Unit-II	9.70	30MVA ICT, 220/66kV (HV)	8.92	
		Total	19.20	Auxiliary Consumption & Transformation Losses at Generator end	-0.49%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	0.00	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line under Shutdown for relay configuration. Unit-I on Standby.
		Unit-II	44.02	220kV DHP - Dagapela Line	43.50	
		-	-	220kV BitDeer - Dagapela Line	4.50	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	44.02	Auxiliary Consumption & Transformation Losses at Generator end	0.73%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.57	132kV KHP - Nangkhor Line	37.57	All Units and Feeders are in Service.
		Unit-II	16.57	132kV KHP - Kilikhar Line	27.67	
		Unit-III	16.55	5MVA, 132/11kV TFR	0.40	
		Unit-IV	16.52	132kV Motanga - Rangja Line	19.80	
		Total	66.21	Auxiliary Consumption & Transformation Losses at Generator end	0.86%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	45.06	132kV NHP-MHP-I	44.71	All Units and Feeders are in Service.
		Unit-II	45.04	132kV NHP-MHP-II	44.70	
		Total	90.10	Auxiliary Consumption & Transformation Losses at Generator end	0.77%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.02	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.
		Unit-II	5.06	-	-	
		Total	10.08	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	17.38 MWp SSP (Sephu Solar Plant)	Inverter-1	1.12	33kV SSP-Wangdue	4.02	All Inverters & Feeders are in Service.
		Inverter-2	1.17	33kV SSP-Trongsa	4.29	
		Inverter-3	1.74	-	-	
		Inverter-4	2.23	-	-	
		Inverter-5	1.98	-	-	
		Total	8.24	Auxiliary Consumption & Transformation Losses at Generator end	-0.80%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	-0.63	Unit-I under Shutdown. Unit II opened at 03:06 Hrs (18.06.2026) due to abnormal sound and vibration.
		Unit-II	0.00	5MVA, 132/33kV TFR	0.62	
		Total	0.00	Auxiliary Consumption & Transformation Losses at Generator end	0.00%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	15.04	132kV BSHP-Panbang	33.77	All Units & Feeders are in Service.
		Unit-II	26.90	132kV BSHP-Tintibi	7.82	
		Total	41.94	Auxiliary Consumption & Transformation Losses at Generator end	0.83%	

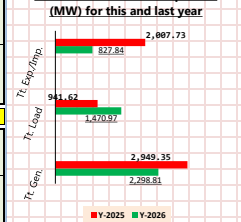
Note: Generation-Load Summary (MW) for 19-Jun-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,298.81	1,470.97	827.84

Note: Generation-Load Summary (MW) for 19-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)	2,949.35	941.62	2,007.73

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-Jun-2026(-ve:import,+ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	June 19, 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	0.00	400kV THP - Siliguri Line - I	53.93	Unit-I Under Runner inspection & Unit-III on Standby. All Feeders are in Service.
		Unit-II	149.61	400kV THP - Siliguri Line - II	52.90	
		Unit-III	0.00	400kV THP - Norbugang Line - IV	137.26	
		Unit-IV	130.43	400kV THP - Malbase Line - III	286.16	
		Unit-V	124.20	400kV Malbase - Siliguri Line	-1.87	
		Unit-VI	131.26	400kV Norbugang-Siliguri Line	-21.12	
		Total	535.50	Auxiliary Consumption & Transformation Losses at Generator end	0.98%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	60.13	400kV MHP - Jigmeling Line - I	150.34	400kV MHP-JLG line- II under shutdown.
		Unit-II	80.72	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	162.59	400kV MHP - Jigmeling Line - III	155.80	
		Unit-IV	158.23	400kV MHP - Jigmeling Line - IV	155.67	
		-	-	220kV Jigmeling - BitDeer Line - I	177.00	
		-	-	220kV Jigmeling - BitDeer Line - II	161.81	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	450.91	
		-	-	400kV Jigmeling - Alipurdwar Line - I	111.27	
		-	-	400kV Jigmeling - Alipurdwar Line - II	110.55	
		-	-	80MVA, 220/132kV ICT - I (HV)	56.75	
		-	-	80MVA, 220/132kV ICT - II (HV)	56.29	
		-	-	132kV MHP - Yurmo Line - II	59.11	
		-	-	132kV MHP - Tintibi Line	9.56	
		-	-	132kV Gelephu - Salakati Line	-35.65	
		Total	461.67	Auxiliary Consumption & Transformation Losses at Generator end	0.14%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	140.76	400kV PHP II - Jigmeling -I	109.44	Unit-II under Shutdown. Unit-III under AMP.
		Unit-II	0.00	400kV PHP II - Jigmeling -II	108.86	
		Unit-III	0.00	400kV PHP II - Alipurdwar -I	169.72	
		Unit-IV	139.98	400kV PHP II - Alipurdwar -II	169.61	
		Unit-V	140.81	-	-	
		Unit-VI	129.34	-	-	
		Total	550.89	Auxiliary Consumption & Transformation Losses at Generator end	-1.22%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	65.58	220kV CHP - Birpara Line - I	-23.59	All Units & Feeders are in Service..
		Unit-II	62.47	220kV CHP - Birpara Line - II	-23.34	
		Unit-III	61.68	220kV CHP - Gedu	17.50	
		Unit-IV	62.65	220kV CHP - Jamjee - I	92.36	
		-	-	220kV CHP - Jamjee - II	91.39	
		-	-	220kV CHP - Jamjee - III	88.36	
		-	-	220kV Malbase - Birpara Line	-10.33	
		-	-	66kV CHP - Gedu Line	5.84	
		Total	252.38	Auxiliary Consumption & Transformation Losses at Generator end	1.53%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	7.30	220kV BHP - Sertokha Line	49.71	All Units and Feeders are in Service.
		Unit-II	8.00	66kV BHP - Lobeysa Line	24.63	
		Total	15.30	220kV BHP - Tsirang Line	-31.69	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	14.00	5MVA, 66/11kV TFR	0.63	
		Unit-II	14.10	30MVA ICT, 220/66kV (HV)	10.06	
		Total	28.10	Auxiliary Consumption & Transformation Losses at Generator end	0.28%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	0.00	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Shutdown for relay configuration. Unit-I on Standby.
		Unit-II	33.31	220kV DHP - Dagapela Line	32.78	
		-	-	220kV BitDeer - Dagapela Line	-13.95	
		-	-	5MVA, 220/33kV TFR	-	
		Total	33.31	Auxiliary Consumption & Transformation Losses at Generator end	1.59%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.49	132kV KHP - Nangkor Line	35.96	All Units & Feeders are in Service.
		Unit-II	16.52	132kV KHP - Kilikhar Line	29.00	
		Unit-III	16.45	5MVA, 132/11kV TFR	0.46	
		Unit-IV	16.38	132kV Motanga - Rangla Line	18.87	
		Total	65.84	Auxiliary Consumption & Transformation Losses at Generator end	0.64%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	45.04	132kV NHP-MHP-I	34.76	All Units & Feeders are in Service.
		Unit-II	24.90	132kV NHP-MHP-II	34.69	
		Total	69.94	Auxiliary Consumption & Transformation Losses at Generator end	0.70%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.09	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.
		Unit-II	5.00	-	-	
		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	-1.37	Unit-I & II Under Shutdown.
		Unit-II	0.00	5MVA, 132/33kV TFR	1.36	
		Total	0.00	Auxiliary Consumption & Transformation Losses at Generator end	0.00%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	36.36	Unit I Uner Shutdown. All Feeders are in Service.
		Unit-II	26.97	132kV BSHP-Tintibi	-9.75	
		Total	26.97	Auxiliary Consumption & Transformation Losses at Generator end	1.33%	

Note: Generation-Load Summary (MW) for 19-Jun-2026 at 18:00 hrs

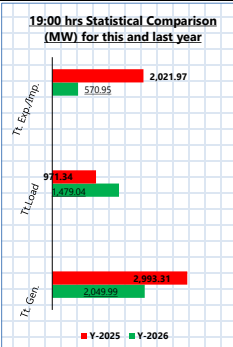
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,049.99	1,479.04	570.95

Note: Generation-Load Summary (MW) for 19-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)	2,993.31	971.34	2,021.97

Note: Daily Energy (MUS) and Power(MW) Statistics for 19-Jun-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	50.75	34.65	0.00	16.11	853.51



1. 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. ii) 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.