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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 01-Aug-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	July 31, 2026	9:00 AM			27-Jul-26	19:11:12
						1,602.02
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	6 x 170 MW THP (Tala)	Unit-I	187.04	400kV THP - Siliguri Line - I	223.22	All Units & Feeders are in Service.
		Unit-II	187.74	400kV THP - Siliguri Line - II	223.69	
		Unit-III	187.05	400kV THP - Norbugang - IV	244.06	
		Unit-IV	187.19	400kV THP - Malbase Line - III	420.16	
		Unit-V	186.96	400kV Malbase - Siliguri Line	163.72	
		Unit-VI	187.23	400kV Norbugang-Siliguri Line	103.00	
		Total	1,123.21	Auxiliary Consumption & Transformation Losses at Generator end	0.90%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.88	400kV MHP - Jigmeling Line - I	263.85	400kV MHP-JLG Line -III on Standby.
		Unit-II	197.72	400kV MHP - Jigmeling Line - II	263.20	
		Unit-III	191.92	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.25	400kV MHP - Jigmeling Line - IV	256.82	
		-	-	220kV Jigmeling - BitDeer Line - I	184.78	
		-	-	220kV Jigmeling - BitDeer Line - II	167.16	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	423.27	
		-	-	400kV Jigmeling - Alipurdhar Line - I	312.73	
		-	-	400kV Jigmeling - Alipurdhar Line - II	311.27	
		-	-	80MVA, 220/132kV ICT - I (HV)	36.06	
		-	-	80MVA, 220/132kV ICT - II (HV)	35.68	
		-	-	132kV MHP - Yurmo Line - II	51.25	
		-	-	132kV MHP - Tintibi Line	74.00	
		-	-	132kV Gelephu - Salakati Line	-10.99	
		Total	785.77	Auxiliary Consumption & Transformation Losses at Generator end	0.71%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	180.00	400kV PHP-II - Jigmeling - I	137.29	All units and feeders are in service.
		Unit-II	171.53	400kV PHP-II - Jigmeling - II	136.66	
		Unit-III	180.26	400kV PHP-II - Alipurdhar - I	389.00	
		Unit-IV	174.52	400kV PHP-II - Alipurdhar - II	388.70	
		Unit-V	170.18	-	-	
		Unit-VI	174.71	-	-	
		Total	1,051.20	Auxiliary Consumption & Transformation Losses at Generator end	-0.04%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.51	220kV CHP - Birpara Line - I	0.00	220kV CHP-BIR Line I under shutdown.
		Unit-II	91.34	220kV CHP - Birpara Line - II	26.14	
		Unit-III	88.10	220kV CHP - Gedu	110.57	
		Unit-IV	91.69	220kV CHP - Jamjee - I	73.65	
		-	-	220kV CHP - Jamjee - II	73.23	
		-	-	220kV CHP - Jamjee - III	70.66	
		-	-	220kV Malbase - Birpara Line	-0.67	
		-	-	66kV CHP - Gedu Line	7.09	
		Total	362.64	Auxiliary Consumption & Transformation Losses at Generator end	0.36%	
5	2 x 12 MW BHP (U/S) (Basochu)	Unit-I	11.99	220kV BHP - Semtokha Line	65.94	All Units & Feeders are in Service.
		Unit-II	9.78	66kV BHP - Lobeysa Line	22.02	
		Total	21.77	220kV BHP - Tsirang Line	-24.94	
6	2 x 20 MW BHP (L/S) (Basochu)	Unit-I	20.47	5MVA, 66/11kV TFR	0.36	All Units & Feeders are in Service.
		Unit-II	20.73	30MVA ICT, 220/66kV (HV)	-0.80	
		Total	41.20	Auxiliary Consumption & Transformation Losses at Generator end	-0.65%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	42.49	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	42.02	220kV DHP - Dagapela Line	84.50	
		-	-	220kV BitDeer - Dagapela Line	-28.10	
		-	-	5MVA, 220/33kV TFR	0.30	
		Total	84.51	Auxiliary Consumption & Transformation Losses at Generator end	-0.34%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.53	132kV KHP - Nangkor Line	45.21	All Units & Feeders are in Service.
		Unit-II	16.55	132kV KHP - Kilikhar Line	20.27	
		Unit-III	16.61	5MVA, 132/11kV TFR	0.35	
		Unit-IV	16.58	132kV Motanga - Rangja Line	38.00	
		Total	66.27	Auxiliary Consumption & Transformation Losses at Generator end	0.66%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.94	132kV NHP-MHP-I	64.42	All Units & Feeders are in Service.
		Unit-II	64.96	132kV NHP-MHP-II	64.47	
		Total	129.90	Auxiliary Consumption & Transformation Losses at Generator end	0.78%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	8.10	66kV SHP-Damdhum (Samtse)	16.01	All Units & Feeders are in Service.
		Unit-II	8.09	-	-	
		Total	16.19	Auxiliary Consumption & Transformation Losses at Generator end	1.11%	
11	22.38 MWp SSP (Sephu Solar Plant)	Inverter-1	1.57	33kV SSP-Wangdue	5.80	All inverters and Feeders in service
		Inverter-2	1.74	33kV SSP-Trongsa	5.29	
		Inverter-3	2.50	-	-	
		Inverter-4	2.83	-	-	
		Inverter-5	2.47	-	1000.00%	
		Total	11.11	Auxiliary Consumption & Transformation Losses at Generator end	0.21%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	15.19	Unit-I under Shutdown
		Unit-II	16.05	5MVA, 132/33kV TFR	0.72	
		Total	16.05	Auxiliary Consumption & Transformation Losses at Generator end	0.87%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	37.93	Unit I under Shutdown.
		Unit-II	27.19	132kV BSHP-Tintibi	-11.01	
		Total	27.19	Auxiliary Consumption & Transformation Losses at Generator end	0.99%	

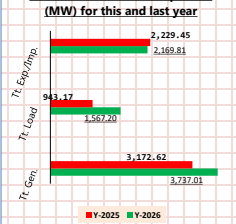
Note: Generation-Load Summary (MW) for 31-Jul-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,737.01	1,567.20	2,169.81

Note: Generation-Load Summary (MW) for 31-Jul-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)	3,172.62	943.17	2,229.45

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 01-Aug-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	July 31, 2026	19:00:00			27-Jul-26	19:11:12
						1,682.02
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	6 x 170 MW THP (Tala)	Unit-I	187.05	400kV THP - Siliguri Line - I	219.14	All Units & Feeders are in Service.
		Unit-II	187.74	400kV THP - Siliguri Line - II	218.01	
		Unit-III	187.12	400kV THP - Norbugang Line - IV	245.24	
		Unit-IV	187.27	400kV THP - Malbase Line - III	430.83	
		Unit-V	186.94	400kV Malbase - Siliguri Line	156.00	
		Unit-VI	187.11	400kV Norbugang-Siliguri Line	97.58	
		Total	1,123.23	Auxiliary Consumption & Transformation Losses at Generator end	0.89%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.76	400kV MHP - Jigmeling Line - I	263.82	400kV MHP-JLG Line -III on Standby.
		Unit-II	197.74	400kV MHP - Jigmeling Line - II	263.26	
		Unit-III	191.57	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.44	400kV MHP - Jigmeling Line - IV	256.67	
		-	-	220kV Jigmeling - BitDeer Line - I	165.15	
		-	-	220kV Jigmeling - BitDeer Line - II	150.56	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	410.91	
		-	-	400kV Jigmeling - Alipurdur Line - I	317.82	
		-	-	400kV Jigmeling - Alipurdur Line - II	318.55	
		-	-	80MVA, 220/132kV ICT - I (HV)	48.58	
		-	-	80MVA, 220/132kV ICT - II (HV)	48.14	
		-	-	132kV MHP - Yurmo Line - II	57.44	
		-	-	132kV MHP - Tintibi Line	69.31	
		-	-	132kV Gelephu - Salakati Line	-5.64	
		Total	785.51	Auxiliary Consumption & Transformation Losses at Generator end	0.50%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	180.00	400kV PHP II - Jigmeling -I	137.14	All Units & Feeders are in Service.
		Unit-II	172.84	400kV PHP II - Jigmeling -II	136.21	
		Unit-III	182.09	400kV PHP II - Alipurdur -I	394.64	
		Unit-IV	178.10	400kV PHP II - Alipurdur -II	394.14	
		Unit-V	170.20	-	-	
		Unit-VI	177.58	-	-	
		Total	1,060.81	Auxiliary Consumption & Transformation Losses at Generator end	-0.12%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.45	220kV CHP - Birpara Line - I	20.66	
		Unit-II	91.21	220kV CHP - Birpara Line - II	20.59	
		Unit-III	89.01	220kV CHP - Gedu	85.72	
		Unit-IV	91.72	220kV CHP - Jamjee - I	77.62	
		-	-	220kV CHP - Jamjee - II	76.96	
		-	-	220kV CHP - Jamjee - III	74.06	
		-	-	220kV Malbase - Birpara Line	9.90	
		-	-	66kV CHP - Gedu Line	6.49	
		Total	363.39	Auxiliary Consumption & Transformation Losses at Generator end	0.35%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	12.00	220kV BHP - Sertokha Line	78.15	All Units and Feeders are in Service.
		Unit-II	12.10	66kV BHP - Lobeysa Line	27.55	
		Total	24.10	220kV BHP - Tsirang Line	-41.47	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	20.49	5MVA, 66/11kV TFR	0.65	
		Unit-II	20.64	30MVA ICT, 220/66kV (HV)	4.55	
		Total	41.13	Auxiliary Consumption & Transformation Losses at Generator end	0.54%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	44.52	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	43.00	220kV DHP - Dagapela Line	87.01	
		-	-	220kV BitDeer - Dagapela Line	-43.84	
		-	-	5MVA, 220/33kV TFR	0.25	
		Total	87.52	Auxiliary Consumption & Transformation Losses at Generator end	0.30%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.54	132kV KHP - Nangkor Line	42.55	All Units & Feeders are in Service.
		Unit-II	16.58	132kV KHP - Kilikhar Line	22.73	
		Unit-III	16.75	5MVA, 132/11kV TFR	0.41	
		Unit-IV	16.60	132kV Motanga - Rangla Line	35.67	
		Total	66.47	Auxiliary Consumption & Transformation Losses at Generator end	1.17%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.89	132kV NHP-MHP-I	64.42	All Units & Feeders are in Service.
		Unit-II	64.96	132kV NHP-MHP-II	64.47	
		Total	129.85	Auxiliary Consumption & Transformation Losses at Generator end	0.74%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	8.38	66kV SHP-Damdhum (Samtse)	16.64	All Units & Feeders are in Service.
		Unit-II	8.44	-	-	
		Total	16.82	Auxiliary Consumption & Transformation Losses at Generator end	1.07%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	14.25	Unit-I under Shutdown.
		Unit-II	16.06	5MVA, 132/33kV TFR	1.56	
		Total	16.06	Auxiliary Consumption & Transformation Losses at Generator end	1.56%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	48.19	Unit-I under Shutdown.
		Unit-II	27.31	132kV BSHP-Tintibi	-21.35	
		Total	27.31	Auxiliary Consumption & Transformation Losses at Generator end	1.72%	

Note: Generation-Load Summary (MW) for 31-Jul-2026 at 18:00 hrs

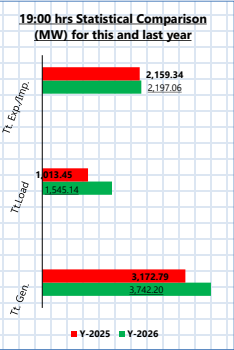
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,742.20	1,545.14	2,197.06

Note: Generation-Load Summary (MW) for 31-Jul-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)	3,172.79	1,013.45	2,159.34

Note: Daily Energy (MUS) and Power(MW) Statistics for 31-Jul-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	89.43	35.80	0.00	53.63	2,425.00



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.