



ལྷན་ཁག་དང་ལོ་ལོ་མཉམ་ནས་འཕུལ་བའི་རྒྱལ་ཁབ་ཤུལ་གསུམ་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 22-Aug-2026(-ve:import, +ve:export)						
Report	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	August 22, 2026	9:00 AM			06-Aug-26	19:11:47
						1,615.00
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	6 x 170 MW THP (Tala)	Unit-I	187.51	400kV THP - Siliguri Line - I	232.65	All Units and Feeders are in Service.
		Unit-II	187.71	400kV THP - Siliguri Line - II	231.18	
		Unit-III	187.03	400kV THP - Norbugang - IV	240.22	
		Unit-IV	186.97	400kV THP - Malbase Line - III	409.91	
		Unit-V	186.93	400kV Malbase - Siliguri Line	174.86	
		Unit-VI	187.14	400kV Norbugang-Siliguri Line	92.52	
		Total	1,123.29	Auxiliary Consumption & Transformation Losses at Generator end	0.83%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.83	400kV MHP - Jigmeling Line - I	264.75	400kV MHP-JLG Line -III on Standby.
		Unit-II	198.00	400kV MHP - Jigmeling Line - II	264.27	
		Unit-III	194.57	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	197.10	400kV MHP - Jigmeling Line - IV	257.75	
		-	-	220kV Jigmeling - BitDeer Line - I	178.97	
		-	-	220kV Jigmeling - BitDeer Line - II	161.94	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	414.55	
		-	-	400kV Jigmeling - Alipurduar Line - I	316.36	
		-	-	400kV Jigmeling - Alipurduar Line - II	314.91	
		-	-	80MVA, 220/132kV ICT - I (HV)	37.47	
		-	-	80MVA, 220/132kV ICT - II (HV)	37.17	
		-	-	132kV MHP - Yurmo Line - II	49.38	
		-	-	132kV MHP - Tintibi Line	74.00	
		-	-	132kV Gelephu - Salakati Line	-23.30	
		Total	787.50	Auxiliary Consumption & Transformation Losses at Generator end	-1.72%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	182.00	400kV PHP II - Jigmeling -I	134.98	All Units and Feeders are in Service.
		Unit-II	175.38	400kV PHP II - Jigmeling -II	134.42	
		Unit-III	184.42	400kV PHP II - Alipurduar-I	391.12	
		Unit-IV	180.19	400kV PHP II - Alipurduar-II	390.80	
		Unit-V	145.52	-	-	
		Unit-VI	180.39	-	-	
		Total	1,047.90	Auxiliary Consumption & Transformation Losses at Generator end	-0.33%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.39	220kV CHP - Birpara Line - I	24.69	All Units and Feeders are in Service.
		Unit-II	91.45	220kV CHP - Birpara Line - II	24.13	
		Unit-III	91.48	220kV CHP - Gedu	107.70	
		Unit-IV	91.50	220kV CHP - Jamjee - I	67.99	
		-	-	220kV CHP - Jamjee - II	67.49	
		-	-	220kV CHP - Jamjee - III	65.07	
		-	-	220kV Malbase - Birpara Line	-3.99	
		-	-	66kV CHP - Gedu Line	6.71	
		Total	365.82	Auxiliary Consumption & Transformation Losses at Generator end	0.56%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	12.03	220kV BHP - Semtokha Line	75.80	All Units & Feeders are in Service.
		Unit-II	10.92	66kV BHP - Lobeysa Line	21.90	
		Total	22.95	220kV BHP - Tsirang Line	-33.15	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	20.49	5MVA, 66/11kV TFR	0.29	All Units & Feeders are in Service.
		Unit-II	20.64	30MVA ICT, 220/66kV (HV)	-1.43	
		Total	41.13	Auxiliary Consumption & Transformation Losses at Generator end	-1.19%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	45.53	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	45.02	220kV DHP - Dagapela Line	-89.41	
		-	-	220kV BitDeer - Dagapela Line	-47.45	
		-	-	5MVA, 220/33kV TFR	0.25	
		Total	90.55	Auxiliary Consumption & Transformation Losses at Generator end	198.46%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.52	132kV KHP - Nangkor Line	50.69	All Units & Feeders are in Service.
		Unit-II	16.50	132kV KHP - Kilikhar Line	14.40	
		Unit-III	16.55	5MVA, 132/11kV TFR	0.37	
		Unit-IV	16.46	132kV Motanga - Rangja Line	40.11	
		Total	66.03	Auxiliary Consumption & Transformation Losses at Generator end	0.86%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	45.08	132kV NHP-MHP-I	44.63	All Units & Feeders are in Service.
		Unit-II	64.87	132kV NHP-MHP-II	64.45	
		Total	109.95	Auxiliary Consumption & Transformation Losses at Generator end	0.79%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	7.59	66kV SHP-Damdhum (Samtse)	15.07	All Units & Feeders are in Service.
		Unit-II	7.64	-	-	
		Total	15.23	Auxiliary Consumption & Transformation Losses at Generator end	1.05%	
11	22.38 MWp SSP (Sephu Solar Plant)	Inverter-1	1.96	33kV SSP-Wangdue	8.49	All Inverters and Feeders in Service
		Inverter-2	3.31	33kV SSP-Trongsa	7.74	
		Inverter-3	3.23	-	-	
		Inverter-4	4.23	-	-	
		Inverter-5	3.51	-	-	
		Total	16.24	Auxiliary Consumption & Transformation Losses at Generator end	0.07%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	15.10	Unit-I under Shutdown.
		Unit-II	15.80	5MVA, 132/33kV TFR	0.68	
		Total	15.80	Auxiliary Consumption & Transformation Losses at Generator end	0.13%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	26.80	132kV BSHP-Panbang	61.78	All Units & Feeders are in Service.
		Unit-II	27.05	132kV BSHP-Tintibi	-8.35	
		Total	53.85	Auxiliary Consumption & Transformation Losses at Generator end	0.78%	

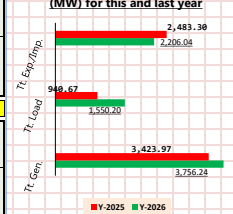
Note: Generation-Load Summary (MW) for 22-Aug-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,756.24	1,550.20	2,206.04

Note: Generation-Load Summary (MW) for 22-Aug-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)	3,423.97	940.67	2,483.30

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 22-Aug-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	August 21, 2026	19:00:00			06-Aug-26	19:11:47
						1,615.00
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	6 x 170 MW THP (Tala)	Unit-I	185.55	400kV THP - Siliguri Line - I	215.51	All Units & Feeders are in Service.
		Unit-II	185.71	400kV THP - Siliguri Line - II	214.33	
		Unit-III	185.11	400kV THP - Norbugang Line - IV	245.72	
		Unit-IV	185.01	400kV THP - Malbase Line - III	438.43	
		Unit-V	185.88	400kV Malbase - Siliguri Line	149.31	
		Unit-VI	186.15	400kV Norbugang-Siliguri Line	92.52	
		Total	1,113.41	Auxiliary Consumption & Transformation Losses at Generator end	-0.05%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.76	400kV MHP - Jigmeling Line - I	264.85	400kV MHP-JLG Line -III on Standby.
		Unit-II	197.66	400kV MHP - Jigmeling Line - II	264.23	
		Unit-III	194.51	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.29	400kV MHP - Jigmeling Line - IV	257.94	
		-	-	220kV Jigmeling - BitDeer Line - I	165.95	
		-	-	220kV Jigmeling - BitDeer Line - II	151.50	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	427.27	
		-	-	400kV Jigmeling - Alipurdwar Line - I	313.46	
		-	-	400kV Jigmeling - Alipurdwar Line - II	312.00	
		-	-	80MVA, 220/132kV ICT - I (HV)	55.34	
		-	-	80MVA, 220/132kV ICT - II (HV)	54.79	
		-	-	132kV MHP - Yumto Line - II	57.46	
		-	-	132kV MHP - Tintibi Line	49.96	
		-	-	132kV Gelephu - Salakati Line	-9.35	
		Total	788.22	Auxiliary Consumption & Transformation Losses at Generator end	0.38%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	185.10	400kV PHP II - Jigmeling -I	137.00	All Units & Feeders are in Service.
		Unit-II	176.10	400kV PHP II - Jigmeling -II	136.00	
		Unit-III	183.90	400kV PHP II - Alipurdwar -I	389.99	
		Unit-IV	183.00	400kV PHP II - Alipurdwar -II	389.63	
		Unit-V	145.30	-	-	
		Unit-VI	180.20	-	-	
		Total	1,053.60	Auxiliary Consumption & Transformation Losses at Generator end	0.09%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.37	220kV CHP - Birpara Line - I	26.12	All Units & Feeders are in Service.
		Unit-II	91.33	220kV CHP - Birpara Line - II	25.84	
		Unit-III	91.16	220kV CHP - Gedu	77.56	
		Unit-IV	91.51	220kV CHP - Jamjee - I	77.25	
		-	-	220kV CHP - Jamjee - II	76.71	
		-	-	220kV CHP - Jamjee - III	73.79	
		-	-	220kV Malbase - Birpara Line	23.12	
		-	-	66kV CHP - Gedu Line	6.74	
		Total	365.37	Auxiliary Consumption & Transformation Losses at Generator end	0.37%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	12.04	220kV BHP - Sertokha Line	78.78	All Units & Feeders are in Service.
		Unit-II	9.78	66kV BHP - Lobeysa Line	27.87	
		Total	21.82	220kV BHP - Tsirang Line	-42.53	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	20.48	5MVA, 66/11kV TFR	0.63	
		Unit-II	20.65	30MVA ICT, 220/66kV (HV)	4.88	
		Total	41.13	Auxiliary Consumption & Transformation Losses at Generator end	-2.86%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	45.54	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	43.02	220kV DHP - Dagapela Line	88.00	
		-	-	220kV BitDeer - Dagapela Line	-44.06	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	88.56	Auxiliary Consumption & Transformation Losses at Generator end	0.41%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.49	132kV KHP - Nangkor Line	47.71	All Units & Feeders are in Service.
		Unit-II	16.57	132kV KHP - Kilikhar Line	17.39	
		Unit-III	16.47	5MVA, 132/11kV TFR	0.46	
		Unit-IV	16.55	132kV Motanga - Rangla Line	54.12	
		Total	66.08	Auxiliary Consumption & Transformation Losses at Generator end	0.79%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	44.90	132kV NHP-MHP-I	44.70	All feeders and Units are in Service.
		Unit-II	64.83	132kV NHP-MHP-II	64.51	
		Total	109.73	Auxiliary Consumption & Transformation Losses at Generator end	0.47%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	7.65	66kV SHP-Damdhum (Samtse)	15.07	All Units and Feeders are in Service.
		Unit-II	7.59	-	-	
		Total	15.24	Auxiliary Consumption & Transformation Losses at Generator end	1.12%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	14.04	Unit-I under Shutdown.
		Unit-II	16.02	5MVA, 132/33kV TFR	1.72	
		Total	16.02	Auxiliary Consumption & Transformation Losses at Generator end	1.62%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	26.91	132kV BSHP-Panbang	69.85	All Units & Feeders are in Service.
		Unit-II	25.14	132kV BSHP-Tintibi	-18.40	
		Total	52.05	Auxiliary Consumption & Transformation Losses at Generator end	1.15%	

Note: Generation-Load Summary (MW) for 21-Aug-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)	3,731.23	1,534.63	2,196.60

Note: Generation-Load Summary (MW) for 21-Aug-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)	3,416.35	1,127.53	2,288.82

Note: Daily Energy (MUS) and Power(MW) Statistics for 21-Aug-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	86.447	36.03	0.00	50.41	2,260.00

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.

