

THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 25-Aug-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	August 24, 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	187.56	400kV THP - Siliguri Line - I	216.24	All Units & Feeders are in Service.
		Unit-II	187.70	400kV THP - Siliguri Line - II	214.80	
		Unit-III	187.08	400kV THP - Norbugang Line - IV	245.99	
		Unit-IV	186.90	400kV THP - Malbase Line - III	436.63	
		Unit-V	186.85	400kV Malbase - Siliguri Line	149.88	
		Unit-VI	187.01	400kV Norbugang-Siliguri Line	96.00	
		Total	1,123.10	Auxiliary Consumption & Transformation Losses at Generator end	0.84%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.70	400kV MHP - Jigmeling Line - I	264.87	400kV MHP-JLG Line -III on Standby.
		Unit-II	197.78	400kV MHP - Jigmeling Line - II	264.23	
		Unit-III	194.43	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.27	400kV MHP - Jigmeling Line - IV	257.97	
		-	-	220kV Jigmeling - BitDeer Line - I	163.33	
		-	-	220kV Jigmeling - BitDeer Line - II	149.27	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	429.46	
		-	-	400kV Jigmeling - Alipurdur Line - I	312.00	
		-	-	400kV Jigmeling - Alipurdur Line - II	310.55	
		-	-	80MVA, 220/132kV ICT - I (HV)	59.06	
		-	-	80MVA, 220/132kV ICT - II (HV)	58.52	
		-	-	132kV MHP - Yumo Line - II	58.76	
		-	-	132kV MHP - Tintibi Line	56.25	
		-	-	132kV Gelephu - Salakati Line	-11.16	
		Total	788.18	Auxiliary Consumption & Transformation Losses at Generator end	-0.59%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	185.00	400kV PHP II - Jigmeling -I	137.76	All Units & Feeders are in Service.
		Unit-II	174.19	400kV PHP II - Jigmeling -II	137.17	
		Unit-III	184.34	400kV PHP II - Alipurdur -I	388.09	
		Unit-IV	180.94	400kV PHP II - Alipurdur -II	387.90	
		Unit-V	144.13	-	-	
		Unit-VI	181.17	-	-	
		Total	1,049.77	Auxiliary Consumption & Transformation Losses at Generator end	-0.11%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.42	220kV CHP - Birpara Line - I	23.65	All Units & Feeders are in Service.
		Unit-II	91.36	220kV CHP - Birpara Line - II	23.18	
		Unit-III	91.24	220kV CHP - Gedu	79.53	
		Unit-IV	91.54	220kV CHP - Jamjee - I	78.00	
		-	-	220kV CHP - Jamjee - II	77.29	
		-	-	220kV CHP - Jamjee - III	74.56	
		-	-	220kV Malbase - Birpara Line	17.32	
		-	-	66kV CHP - Gedu Line	7.36	
		Total	365.56	Auxiliary Consumption & Transformation Losses at Generator end	0.54%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	12.01	220kV BHP - Semtokha Line	77.14	All Units & Feeders are in Service.
		Unit-II	11.70	66kV BHP - Lobeyssa Line	27.75	
		Total	23.71	220kV BHP - Tsirang Line	-40.60	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	20.48	5MVA, 66/11kV TFR	0.72	
		Unit-II	20.59	30MVA ICT, 220/66kV (HV)	4.87	
		Total	41.07	Auxiliary Consumption & Transformation Losses at Generator end	-0.36%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	44.53	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	31.02	220kV DHP - Dagapela Line	75.01	
		-	-	220kV BitDeer - Dagapela Line	-31.74	
		-	-	5MVA, 220/33kV TFR	0.30	
		Total	75.55	Auxiliary Consumption & Transformation Losses at Generator end	0.32%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.49	132kV KHP - Nangkor Line	47.09	All Units & Feeders are in Service.
		Unit-II	16.55	132kV KHP - Kilikhar Line	17.83	
		Unit-III	16.55	5MVA, 132/11kV TFR	0.44	
		Unit-IV	16.52	132kV Motanga - Rangla Line	55.98	
		Total	66.11	Auxiliary Consumption & Transformation Losses at Generator end	1.13%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	45.04	132kV NHP-MHP-I	44.79	All feeders and Units are in Service.
		Unit-II	64.91	132kV NHP-MHP-II	64.44	
		Total	109.95	Auxiliary Consumption & Transformation Losses at Generator end	0.65%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	7.49	66kV SHP-Damdhum (Samtse)	14.72	All Units and Feeders are in Service.
		Unit-II	7.39	-	-	
		Total	14.88	Auxiliary Consumption & Transformation Losses at Generator end	1.08%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	16.03	132kV YHP-Kilikhar	13.99	Unit-II under Shutdown (Preventive Maintenance).
		Unit-II	0.00	5MVA, 132/33kV TFR	1.79	
		Total	16.03	Auxiliary Consumption & Transformation Losses at Generator end	1.56%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	25.06	132kV BSHP-Panbang	76.44	All Units & Feeders are in Service.
		Unit-II	25.49	132kV BSHP-Tintibi	-26.49	
		Total	50.55	Auxiliary Consumption & Transformation Losses at Generator end	1.19%	

Note: Generation-Load Summary (MW) for 24-Aug-2026 at 18:00 hrs

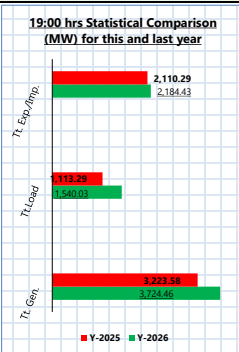
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,724.46	1,540.03	2,184.43

Note: Generation-Load Summary (MW) for 24-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)	3,223.58	1,113.29	2,110.29

Note: Daily Energy (MUS) and Power(MW) Statistics for 24-Aug-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	89.372	36.33	0.00	53.05	2,248.97



- 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.



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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 25-Aug-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	August 25, 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	187.49	400kV THP - Siliguri Line - I	226.67	All Units and Feeders are in Service.
		Unit-II	187.62	400kV THP - Siliguri Line - II	225.31	
		Unit-III	186.99	400kV THP - Norbugang - IV	244.48	
		Unit-IV	186.47	400kV THP - Malbase Line - III	416.50	
		Unit-V	186.98	400kV Malbase - Siliguri Line	166.53	
		Unit-VI	187.11	400kV Norbugang-Siliguri Line	96.00	
		Total	1,122.66	Auxiliary Consumption & Transformation Losses at Generator end	0.86%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.82	400kV MHP - Jigmeling Line - I	264.63	400kV MHP-JLG Line -III on Standby.
		Unit-II	197.77	400kV MHP - Jigmeling Line - II	263.89	
		Unit-III	193.61	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.29	400kV MHP - Jigmeling Line - IV	257.58	
		-	-	220kV Jigmeling - BitDeer Line - I	192.82	
		-	-	220kV Jigmeling - BitDeer Line - II	173.83	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	424.36	
		-	-	400kV Jigmeling - Alipurduar Line - I	312.00	
		-	-	400kV Jigmeling - Alipurduar Line - II	311.27	
		-	-	80MVA, 220/132kV ICT - I (HV)	29.50	
		-	-	80MVA, 220/132kV ICT - II (HV)	29.22	
		-	-	132kV MHP - Yurmo Line - II	54.44	
		-	-	132kV MHP - Tintibi Line	56.25	
		-	-	132kV Gelephu - Salakati Line	-15.42	
		Total	787.49	Auxiliary Consumption & Transformation Losses at Generator end	-0.02%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	185.00	400kV PHP II - Jigmeling -I	136.23	All Units and Feeders are in Service.
		Unit-II	172.89	400kV PHP II - Jigmeling -II	135.75	
		Unit-III	183.34	400kV PHP II - Alipurduar -I	387.39	
		Unit-IV	179.36	400kV PHP II - Alipurduar -II	387.27	
		Unit-V	144.46	-	-	
		Unit-VI	181.23	-	-	
		Total	1,046.28	Auxiliary Consumption & Transformation Losses at Generator end	-0.03%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.41	220kV CHP - Birpara Line - I	19.65	All Units and Feeders are in Service.
		Unit-II	91.21	220kV CHP - Birpara Line - II	19.27	
		Unit-III	91.32	220kV CHP - Gedu	110.68	
		Unit-IV	91.36	220kV CHP - Jamjee - I	70.13	
		-	-	220kV CHP - Jamjee - II	69.42	
		-	-	220kV CHP - Jamjee - III	67.16	
		-	-	220kV Malbase - Birpara Line	-12.27	
		-	-	66kV CHP - Gedu Line	7.97	
		Total	365.30	Auxiliary Consumption & Transformation Losses at Generator end	0.28%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	12.03	220kV BHP - Semtokha Line	72.90	All Units & Feeders are in Service.
		Unit-II	9.76	66kV BHP - Lobeysa Line	22.90	
		Total	21.79	220kV BHP - Tsirang Line	-33.05	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	20.46	5MVA, 66/11kV TFR	0.40	All Units & Feeders are in Service.
		Unit-II	20.70	30MVA ICT, 220/66kV (HV)	0.67	
		Total	41.16	Auxiliary Consumption & Transformation Losses at Generator end	-0.32%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	41.01	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	35.02	220kV DHP - Dagapela Line	75.90	
		-	-	220kV BitDeer - Dagapela Line	-31.75	
		-	-	5MVA, 220/33kV TFR	0.10	
		Total	76.03	Auxiliary Consumption & Transformation Losses at Generator end	0.04%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.54	132kV KHP - Nangkhor Line	51.83	All Units & Feeders are in Service.
		Unit-II	16.50	132kV KHP - Kilikhar Line	13.57	
		Unit-III	16.55	5MVA, 132/11kV TFR	0.38	
		Unit-IV	16.53	132kV Motanga - Rangja Line	38.42	
		Total	66.12	Auxiliary Consumption & Transformation Losses at Generator end	0.51%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	45.25	132kV NHP-MHP-I	44.60	All Units & Feeders are in Service.
		Unit-II	64.91	132kV NHP-MHP-II	64.51	
		Total	110.16	Auxiliary Consumption & Transformation Losses at Generator end	0.95%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	7.18	66kV SHP-Damdhum (Samtse)	14.23	All Units & Feeders are in Service.
		Unit-II	7.19	-	-	
		Total	14.37	Auxiliary Consumption & Transformation Losses at Generator end	0.97%	
11	22.38 MWp SSP (Sephu Solar Plant)	Inverter-1	0.61	33kV SSP-Wangdue	2.75	All Inverters and Feeders in Service
		Inverter-2	1.07	33kV SSP-Trongsa	2.47	
		Inverter-3	1.06	-	-	
		Inverter-4	1.33	-	-	
		Inverter-5	1.15	-	-	
		Total	5.23	Auxiliary Consumption & Transformation Losses at Generator end	0.10%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	16.04	132kV YHP-Kilikhar	15.01	Unit-II under Shutdown (Preventive Maintenance).
		Unit-II	0.00	5MVA, 132/33kV TFR	0.80	
		Total	16.04	Auxiliary Consumption & Transformation Losses at Generator end	1.43%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	27.35	132kV BSHP-Panbang	47.99	All Units & Feeders are in Service.
		Unit-II	27.09	132kV BSHP-Tintibi	5.97	
		Total	54.44	Auxiliary Consumption & Transformation Losses at Generator end	0.88%	

Note: Generation-Load Summary (MW) for 25-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)	3,727.07	1,564.98	2,162.09

Note: Generation-Load Summary (MW) for 25-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)	2,996.75	1,055.14	1,911.61

09:00 hrs Statistical Comparison (MW) for this and last year

