

THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 01-Sep-2026(+ve:import,+ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	August 31, 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	187.55	400kV THP - Siliguri Line - I	204.02	All Units and Feeders are in Service.
		Unit-II	187.61	400kV THP - Siliguri Line - II	202.57	
		Unit-III	187.08	400kV THP - Norbugang Line - IV	247.77	
		Unit-IV	186.40	400kV THP - Malbase Line - III	458.66	
		Unit-V	186.78	400kV Malbase - Siliguri Line	131.21	
		Unit-VI	187.11	400kV Norbugang-Siliguri Line	78.64	
		Total	1,122.53	Auxiliary Consumption & Transformation Losses at Generator end	0.85%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.85	400kV MHP - Jigmeling Line - I	264.20	400kV MHP-JLG Line -III on Standby.
		Unit-II	197.64	400kV MHP - Jigmeling Line - II	263.90	
		Unit-III	193.82	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.15	400kV MHP - Jigmeling Line - IV	257.54	
		-	-	220kV Jigmeling - BitDeer Line - I	174.15	
		-	-	220kV Jigmeling - BitDeer Line - II	158.25	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	424.00	
		-	-	400kV Jigmeling - Alipurdur Line - I	311.27	
		-	-	400kV Jigmeling - Alipurdur Line - II	310.55	
		-	-	80MVA, 220/132kV ICT - I (HV)	46.51	
		-	-	80MVA, 220/132kV ICT - II (HV)	45.99	
		-	-	132kV MHP - Yumo Line - II	57.93	
		-	-	132kV MHP - Tintibi Line	68.97	
		-	-	132kV Gelephu - Salakati Line	-8.75	
		Total	787.46	Auxiliary Consumption & Transformation Losses at Generator end	0.48%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	185.00	400kV PHP II - Jigmeling -I	135.09	All Units & Feeders are in Service.
		Unit-II	175.30	400kV PHP II - Jigmeling -II	134.41	
		Unit-III	185.35	400kV PHP II - Alipurdur -I	385.82	
		Unit-IV	181.07	400kV PHP II - Alipurdur -II	384.93	
		Unit-V	131.46	-	-	
		Unit-VI	180.43	-	-	
		Total	1,038.61	Auxiliary Consumption & Transformation Losses at Generator end	-0.16%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.33	220kV CHP - Birpara Line - I	5.72	Unit-III Tripped on 19:36hrs (27.08.2026) on operation of PRV of GT-09 of R-Phase
		Unit-II	91.28	220kV CHP - Birpara Line - II	5.43	
		Unit-III	0.00	220kV CHP - Gedu	46.24	
		Unit-IV	91.42	220kV CHP - Jamjee - I	70.92	
		-	-	220kV CHP - Jamjee - II	70.27	
		-	-	220kV CHP - Jamjee - III	67.93	
		-	-	220kV Malbase - Birpara Line	14.93	
		-	-	66kV CHP - Gedu Line	6.41	
		Total	274.03	Auxiliary Consumption & Transformation Losses at Generator end	0.41%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	12.00	220kV BHP - Semtokha Line	95.61	All Units & Feeders are in Service.
		Unit-II	12.00	66kV BHP - Lobeysa Line	28.83	
6	2 x 20 MW BHP (L/S) (Basochhu)	Total	24.00	220kV BHP - Tsirang Line	-60.14	
		Unit-I	28.48	5MVA, 66/11kV TFR	0.73	
		Unit-II	20.69	30MVA ICT, 220/66kV (HV)	5.94	
		Total	41.17	Auxiliary Consumption & Transformation Losses at Generator end	0.21%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	35.99	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	36.03	220kV DHP - Dagapela Line	71.70	
		-	-	220kV BitDeer - Dagapela Line	-27.46	
		-	-	5MVA, 220/33kV TFR	0.30	
		Total	72.02	Auxiliary Consumption & Transformation Losses at Generator end	0.03%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.52	132kV KHP - Nangkor Line	53.25	All Units & Feeders are in Service.
		Unit-II	16.51	132kV KHP - Kilikhar Line	11.74	
		Unit-III	16.14	5MVA, 132/11kV TFR	0.46	
		Unit-IV	16.58	132kV Motanga - Rangla Line	41.97	
		Total	65.75	Auxiliary Consumption & Transformation Losses at Generator end	0.46%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.91	132kV NHP-MHP-I	64.43	All Units & Feeders are in Service.
		Unit-II	64.92	132kV NHP-MHP-II	64.42	
		Total	129.83	Auxiliary Consumption & Transformation Losses at Generator end	0.75%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	8.82	66kV SHP-Damdhum (Samtse)	8.70	SHP Unit-II under Shutdown.
		Unit-II	0.00	-	-	
		Total	8.82	Auxiliary Consumption & Transformation Losses at Generator end	1.36%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	16.25	132kV YHP-Kilikhar	29.96	All Units and Feeders are in Service.
		Unit-II	16.06	5MVA, 132/33kV TFR	1.84	
		Total	32.31	Auxiliary Consumption & Transformation Losses at Generator end	1.58%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	27.27	132kV BSHP-Panbang	46.81	BSHP Unit-II under Shutdown.
		Unit-II	0.00	132kV BSHP-Tintibi	-19.87	
		Total	27.27	Auxiliary Consumption & Transformation Losses at Generator end	1.21%	

Note: Generation-Load Summary (MW) for 31-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)	3,623.80	1,555.49	2,068.31

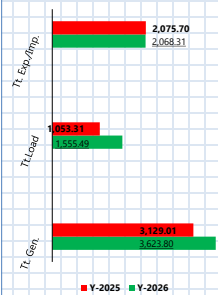
Note: Generation-Load Summary (MW) for 31-Aug-2025, at 19:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,129.01	1,053.31	2,075.70

Note: Daily Energy (MUs) and Power(MW) Statistics for 31-Aug-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	86.72	36.76	0.00	49.96	2,120.30

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



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.



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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-Sep-2026(+ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	September 1, 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	187.58	400kV THP - Siliguri Line - I	217.90	All Units and Feeders are in Service.
		Unit-II	187.60	400kV THP - Siliguri Line - II	215.81	
		Unit-III	187.01	400kV THP - Norbugang - IV	248.88	
		Unit-IV	186.23	400kV THP - Malbase Line - III	430.41	
		Unit-V	186.94	400kV Malbase - Siliguri Line	153.28	
		Unit-VI	187.10	400kV Norbugang-Siliguri Line	80.00	
		Total	1,122.46	Auxiliary Consumption & Transformation Losses at Generator end	0.84%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.77	400kV MHP - Jigmeling Line - I	264.69	400kV MHP-JLG Line -III on Standby.
		Unit-II	197.93	400kV MHP - Jigmeling Line - II	263.94	
		Unit-III	193.87	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.45	400kV MHP - Jigmeling Line - IV	257.72	
		-	-	220kV Jigmeling - BitDeer Line - I	187.52	
		-	-	220kV Jigmeling - BitDeer Line - II	168.72	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	406.55	
		-	-	400kV Jigmeling - Alipurduar Line - I	314.91	
		-	-	400kV Jigmeling - Alipurduar Line - II	314.18	
		-	-	80MVA, 220/132kV ICT - I (HV)	25.72	
		-	-	80MVA, 220/132kV ICT - II (HV)	25.43	
		-	-	132kV MHP - Yurmo Line - II	52.66	
		-	-	132kV MHP - Tintibi Line	68.97	
		-	-	132kV Gelephu - Salakati Line	-25.44	
		Total	788.02	Auxiliary Consumption & Transformation Losses at Generator end	1.13%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	185.00	400kV PHP-II - Jigmeling - I	130.20	All Units and Feeders are in Service.
		Unit-II	175.31	400kV PHP-II - Jigmeling - II	131.06	
		Unit-III	184.51	400kV PHP-II - Alipurduar - I	388.02	
		Unit-IV	180.55	400kV PHP-II - Alipurduar - II	387.54	
		Unit-V	130.72	-	-	
		Unit-VI	180.18	-	-	
		Total	1,036.27	Auxiliary Consumption & Transformation Losses at Generator end	-0.05%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.38	220kV CHP - Birpara Line - I	1.20	Unit-III Tripped on 19:36hrs (27.08.2026) on operation of PRV of GT-09 of R-Phase
		Unit-II	91.32	220kV CHP - Birpara Line - II	1.11	
		Unit-III	0.00	220kV CHP - Gedu	79.73	
		Unit-IV	91.47	220kV CHP - Jamjee - I	62.59	
		-	-	220kV CHP - Jamjee - II	61.81	
		-	-	220kV CHP - Jamjee - III	59.64	
		-	-	220kV Malbase - Birpara Line	-18.29	
		-	-	66kV CHP - Gedu Line	7.18	
		Total	274.17	Auxiliary Consumption & Transformation Losses at Generator end	0.33%	
5	2 x 12 MW BHP (U/S) (Basochu)	Unit-I	12.00	220kV BHP - Semtokha Line	91.20	All Units & Feeders are in Service.
		Unit-II	9.82	66kV BHP - Lobeysa Line	22.80	
		Total	21.82	220kV BHP - Tsirang Line	-52.49	
6	2 x 20 MW BHP (L/S) (Basochu)	Unit-I	20.41	5MVA, 66/11kV TFR	0.40	All Units & Feeders are in Service.
		Unit-II	20.65	30MVA ICT, 220/66kV (HV)	-0.03	
		Total	41.06	Auxiliary Consumption & Transformation Losses at Generator end	1.54%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	55.60	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	53.02	220kV DHP - Dagapela Line	108.20	
		-	-	220kV BitDeer - Dagapela Line	-63.64	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	108.62	Auxiliary Consumption & Transformation Losses at Generator end	0.20%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	0.00	132kV KHP - Nangkor Line	33.63	All Units & Feeders are in Service.
		Unit-II	0.00	132kV KHP - Kilikhar Line	-3.60	
		Unit-III	15.26	5MVA, 132/11kV TFR	0.40	
		Unit-IV	15.29	132kV Motanga - Rangja Line	2.74	
		Total	30.55	Auxiliary Consumption & Transformation Losses at Generator end	0.39%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.91	132kV NHP-MHP-I	64.46	All Units & Feeders are in Service.
		Unit-II	64.91	132kV NHP-MHP-II	64.44	
		Total	129.82	Auxiliary Consumption & Transformation Losses at Generator end	0.71%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	0.00	66kV SHP-Damdhum (Samtse)	0.00	SHP Unit I tripped at 08:49:53hrs Unit-II under Shutdown. 66kV SHP-Damdhum Line under Shutdown.
		Unit-II	0.00	-	-	
		Total	0.00	Auxiliary Consumption & Transformation Losses at Generator end	0.00%	
11	22.38 MWp SSP (Sephu Solar Plant)	Inverter-1	1.70	33kV SSP-Wangdue	5.81	All Inverters and Feeders in Service
		Inverter-2	2.04	33kV SSP-Trongsa	4.86	
		Inverter-3	2.17	-	-	
		Inverter-4	2.41	-	-	
		Inverter-5	2.45	-	-	
		Total	10.76	Auxiliary Consumption & Transformation Losses at Generator end	0.86%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	16.07	132kV YHP-Kilikhar	30.53	All Units and Feeders are in Service.
		Unit-II	16.03	5MVA, 132/33kV TFR	1.13	
		Total	32.10	Auxiliary Consumption & Transformation Losses at Generator end	1.37%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	27.24	132kV BSHP-Panbang	31.48	BSHP Unit 2 Shutdown.
		Unit-II	0.00	132kV BSHP-Tintibi	-4.47	
		Total	27.24	Auxiliary Consumption & Transformation Losses at Generator end	0.84%	

Note: Generation-Load Summary (MW) for 01-Sep-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)	3,622.89	1,589.93	2,032.96

Note: Generation-Load Summary (MW) for 01-Sep-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)	3,154.72	1,061.69	2,093.03

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

