

THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 02-Sep-2026(+ve:import,+ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	September 1, 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	187.63	400kV THP - Siliguri Line - I	205.28	All Units and Feeders are in Service.
		Unit-II	187.78	400kV THP - Siliguri Line - II	203.98	
		Unit-III	187.08	400kV THP - Norbugang Line - IV	247.96	
		Unit-IV	186.40	400kV THP - Malbase Line - III	455.83	
		Unit-V	186.88	400kV Malbase - Siliguri Line	133.14	
		Unit-VI	187.20	400kV Norbugang-Siliguri Line	80.10	
		Total	1,122.97	Auxiliary Consumption & Transformation Losses at Generator end	0.88%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.66	400kV MHP - Jigmeling Line - I	264.65	400kV MHP-JLG Line -III on Standby.
		Unit-II	197.74	400kV MHP - Jigmeling Line - II	263.90	
		Unit-III	194.01	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.24	400kV MHP - Jigmeling Line - IV	257.55	
		-	-	220kV Jigmeling - BitDeer Line - I	184.39	
		-	-	220kV Jigmeling - BitDeer Line - II	166.64	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	420.73	
		-	-	400kV Jigmeling - Alipurdur Line - I	277.82	
		-	-	400kV Jigmeling - Alipurdur Line - II	276.36	
		-	-	80MVA, 220/132kV ICT - I (HV)	35.55	
		-	-	80MVA, 220/132kV ICT - II (HV)	35.19	
		-	-	132kV MHP - Yumo Line - II	59.81	
		-	-	132kV MHP - Tintibi Line	67.45	
		-	-	132kV Gelephu - Salakati Line	-21.85	
		Total	787.65	Auxiliary Consumption & Transformation Losses at Generator end	0.42%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	185.00	400kV PHP II - Jigmeling -I	99.95	Unit VI under Shutdown.
		Unit-II	182.11	400kV PHP II - Jigmeling -II	99.10	
		Unit-III	183.33	400kV PHP II - Alipurdur -I	333.46	
		Unit-IV	185.19	400kV PHP II - Alipurdur -II	333.00	
		Unit-V	128.41	-	-	
		Unit-VI	0.00	-	-	
		Total	864.04	Auxiliary Consumption & Transformation Losses at Generator end	-0.17%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.45	220kV CHP - Birpara Line - I	3.09	Unit-III Tripped on 19:36hrs (27.08.2026) on operation of PRV of GT-09 of R-Phase
		Unit-II	91.34	220kV CHP - Birpara Line - II	2.72	
		Unit-III	0.00	220kV CHP - Gedu	45.20	
		Unit-IV	91.37	220kV CHP - Jamjee - I	73.04	
		-	-	220kV CHP - Jamjee - II	72.19	
		-	-	220kV CHP - Jamjee - III	69.52	
		-	-	220kV Malbase - Birpara Line	9.02	
		-	-	66kV CHP - Gedu Line	6.72	
		Total	274.16	Auxiliary Consumption & Transformation Losses at Generator end	0.61%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	12.02	220kV BHP - Semtokha Line	92.60	All Units & Feeders are in Service.
		Unit-II	9.81	66kV BHP - Lobeysa Line	28.94	
		Total	21.83	220kV BHP - Tsirang Line	-59.42	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	20.41	5MVA, 66/11kV TFR	0.65	
		Unit-II	20.54	30MVA ICT, 220/66kV (HV)	5.99	
		Total	40.95	Auxiliary Consumption & Transformation Losses at Generator end	0.02%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	63.68	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	50.07	220kV DHP - Dagapela Line	112.90	
		-	-	220kV BitDeer - Dagapela Line	-71.20	
		-	-	5MVA, 220/33kV TFR	0.30	
		Total	113.75	Auxiliary Consumption & Transformation Losses at Generator end	0.48%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.51	132kV KHP - Nangkor Line	54.41	All Units & Feeders are in Service.
		Unit-II	16.48	132kV KHP - Kilikhar Line	10.58	
		Unit-III	16.26	5MVA, 132/11kV TFR	0.43	
		Unit-IV	16.47	132kV Motanga - Rangla Line	32.82	
		Total	65.72	Auxiliary Consumption & Transformation Losses at Generator end	0.46%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.92	132kV NHP-MHP-I	64.49	All Units & Feeders are in Service.
		Unit-II	64.89	132kV NHP-MHP-II	64.51	
		Total	129.81	Auxiliary Consumption & Transformation Losses at Generator end	0.62%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	9.00	66kV SHP-Damdhum (Samtse)	8.87	SHP Unit-II under Shutdown.
		Unit-II	0.00	-	-	
		Total	9.00	Auxiliary Consumption & Transformation Losses at Generator end	1.44%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	16.19	132kV YHP-Kilikhar	29.91	All Units and Feeders are in Service.
		Unit-II	15.99	5MVA, 132/33kV TFR	1.84	
		Total	32.18	Auxiliary Consumption & Transformation Losses at Generator end	1.34%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	27.26	132kV BSHP-Panbang	38.12	BSHP Unit-II under Shutdown.
		Unit-II	0.00	132kV BSHP-Tintibi	-11.13	
		Total	27.26	Auxiliary Consumption & Transformation Losses at Generator end	0.99%	

Note: Generation-Load Summary (MW) for 01-Sep-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)	3,489.32	1,620.38	1,868.94

Note: Generation-Load Summary (MW) for 01-Sep-2025, at 19:00 hrs

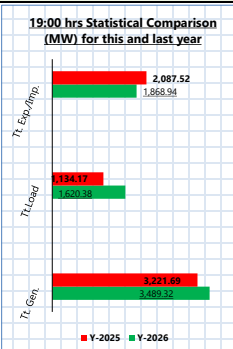
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,221.69	1,134.17	2,087.52

Note: Daily Energy (MUS) and Power(MW) Statistics for 01-Sep-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	86.24	37.43	0.00	48.80	2,126.30

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.





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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 02-Sep-2026(-ve:import, +ve:export)						
Report	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	September 2, 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	187.57	400kV THP - Siliguri Line - I	216.84	All Units and Feeders are in Service.
		Unit-II	187.69	400kV THP - Siliguri Line - II	215.16	
		Unit-III	187.00	400kV THP - Norbugang - IV	247.41	
		Unit-IV	186.25	400kV THP - Malbase Line - III	433.23	
		Unit-V	186.98	400kV Malbase - Siliguri Line	150.76	
		Unit-VI	187.11	400kV Norbugang-Siliguri Line	88.00	
		Total	1,122.60	Auxiliary Consumption & Transformation Losses at Generator end	0.89%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.66	400kV MHP - Jigmeling Line - I	264.42	400kV MHP-JLG Line -III on Standby.
		Unit-II	197.73	400kV MHP - Jigmeling Line - II	263.81	
		Unit-III	193.21	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.12	400kV MHP - Jigmeling Line - IV	257.51	
		-	-	220kV Jigmeling - BitDeer Line - I	185.46	
		-	-	220kV Jigmeling - BitDeer Line - II	166.48	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	387.27	
		-	-	400kV Jigmeling - Alipurduar Line - I	285.82	
		-	-	400kV Jigmeling - Alipurduar Line - II	284.36	
		-	-	80MVA, 220/132kV ICT - I (HV)	18.07	
		-	-	80MVA, 220/132kV ICT - II (HV)	17.84	
		-	-	132kV MHP - Yurmo Line - II	54.96	
		-	-	132kV MHP - Tintibi Line	71.97	
		-	-	132kV Gelephu - Salakati Line	-22.93	
		Total	786.72	Auxiliary Consumption & Transformation Losses at Generator end	0.38%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	187.00	400kV PHP II - Jigmeling -I	90.70	Unit VI under Shutdown.
		Unit-II	175.33	400kV PHP II - Jigmeling -II	90.24	
		Unit-III	185.38	400kV PHP II - Alipurduar-I	337.28	
		Unit-IV	185.40	400kV PHP II - Alipurduar-II	336.64	
		Unit-V	119.84	-	-	
		Unit-VI	0.00	-	-	
		Total	852.95	Auxiliary Consumption & Transformation Losses at Generator end	-0.22%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.54	220kV CHP - Birpara Line - I	-0.27	Unit-III Tripped on 19:36hrs (27.08.2026) on operationof PRV of GT-09 of R-Phase
		Unit-II	91.33	220kV CHP - Birpara Line - II	-0.60	
		Unit-III	0.00	220kV CHP - Gedu	75.16	
		Unit-IV	91.42	220kV CHP - Jamjee - I	64.78	
		-	-	220kV CHP - Jamjee - II	64.24	
		-	-	220kV CHP - Jamjee - III	62.16	
		-	-	220kV Malbase - Birpara Line	-16.27	
		-	-	66kV CHP - Gedu Line	6.82	
		Total	274.29	Auxiliary Consumption & Transformation Losses at Generator end	0.73%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	12.02	220kV BHP - Semtokha Line	91.30	All Units & Feeders are in Service.
		Unit-II	9.83	66kV BHP - Lobeysa Line	23.20	
		Total	21.85	220kV BHP - Tsirang Line	-52.48	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	20.41	5MVA, 66/11kV TFR	0.38	All Units & Feeders are in Service.
		Unit-II	20.55	30MVA ICT, 220/66kV (HV)	1.34	
		Total	40.96	Auxiliary Consumption & Transformation Losses at Generator end	0.65%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	62.68	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	53.04	220kV DHP - Dagapela Line	115.20	
		-	-	220kV BitDeer - Dagapela Line	-71.16	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	115.72	Auxiliary Consumption & Transformation Losses at Generator end	0.28%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.54	132kV KHP - Nangkhor Line	56.32	All Units & Feeders are in Service.
		Unit-II	16.52	132kV KHP - Kilikhar Line	7.32	
		Unit-III	15.28	5MVA, 132/11kV TFR	0.33	
		Unit-IV	15.99	132kV Motanga - Rangja Line	29.12	
		Total	64.33	Auxiliary Consumption & Transformation Losses at Generator end	0.56%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.90	132kV NHP-MHP-I	64.50	All Units & Feeders are in Service.
		Unit-II	64.94	132kV NHP-MHP-II	64.46	
		Total	129.84	Auxiliary Consumption & Transformation Losses at Generator end	0.68%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	9.00	66kV SHP-Damdhum (Samtse)	8.88	Unit-II under Shutdown.
		Unit-II	0.00	-	-	
		Total	9.00	Auxiliary Consumption & Transformation Losses at Generator end	1.33%	
11	22.38 MWp SSP (Sephu Solar Plant)	Inverter-1	0.59	33kV SSP-Wangdue	2.83	All Inverters and Feeders in Service
		Inverter-2	1.13	33kV SSP-Trongsa	2.50	
		Inverter-3	1.13	-	-	
		Inverter-4	1.31	-	-	
		Inverter-5	1.21	-	-	
		Total	5.37	Auxiliary Consumption & Transformation Losses at Generator end	0.65%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	16.08	132kV YHP-Kilikhar	30.74	All Units and Feeders are in Service.
		Unit-II	15.99	5MVA, 132/33kV TFR	0.93	
		Total	32.07	Auxiliary Consumption & Transformation Losses at Generator end	1.25%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	27.21	132kV BSHP-Panbang	26.16	BSHP Unit 2 Shutdown.
		Unit-II	0.00	132kV BSHP-Tintibi	0.81	
		Total	27.21	Auxiliary Consumption & Transformation Losses at Generator end	0.88%	

Note: Generation-Load Summary (MW) for 02-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)	3,482.91	1,579.00	1,903.91

Note: Generation-Load Summary (MW) for 02-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

