

THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 04-Sep-2026(+ve:import,+ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	September 3, 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	187.59	400kV THP - Siliguri Line - I	209.11	All Units and Feeders are in Service.
		Unit-II	187.66	400kV THP - Siliguri Line - II	208.04	
		Unit-III	187.02	400kV THP - Norbugang Line - IV	248.00	
		Unit-IV	186.43	400kV THP - Malbase Line - III	447.96	
		Unit-V	186.80	400kV Malbase - Siliguri Line	139.84	
		Unit-VI	187.09	400kV Norbugang-Siliguri Line	87.00	
		Total	1,122.59	Auxiliary Consumption & Transformation Losses at Generator end	0.84%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.81	400kV MHP - Jigmeling Line - I	264.56	400kV MHP-JLG Line -III on Standby.
		Unit-II	197.88	400kV MHP - Jigmeling Line - II	263.94	
		Unit-III	194.16	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.51	400kV MHP - Jigmeling Line - IV	257.72	
		-	-	220kV Jigmeling - BitDeer Line - I	184.25	
		-	-	220kV Jigmeling - BitDeer Line - II	166.54	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	424.00	
		-	-	400kV Jigmeling - Alipurdur Line - I	286.55	
		-	-	400kV Jigmeling - Alipurdur Line - II	285.82	
		-	-	80MVA, 220/132kV ICT - I (HV)	37.30	
		-	-	80MVA, 220/132kV ICT - II (HV)	36.83	
		-	-	132kV MHP - Yumo Line - II	60.62	
		-	-	132kV MHP - Tintibi Line	66.42	
		-	-	132kV Gelephu - Salakati Line	-11.68	
		Total	788.36	Auxiliary Consumption & Transformation Losses at Generator end	0.49%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	185.93	400kV PHP II - Jigmeling -I	110.39	Unit V under Shutdown.
		Unit-II	178.09	400kV PHP II - Jigmeling -II	109.65	
		Unit-III	185.00	400kV PHP II - Alipurdur -I	349.20	
		Unit-IV	185.26	400kV PHP II - Alipurdur -II	348.57	
		Unit-V	0.00	-	-	
		Unit-VI	184.13	-	-	
		Total	918.41	Auxiliary Consumption & Transformation Losses at Generator end	0.07%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.42	220kV CHP - Birpara Line - I	2.11	Unit-III Tripped on 19:36hrs (27.08.2026) on operation of PRV of GT-09 of R-Phase
		Unit-II	91.14	220kV CHP - Birpara Line - II	1.92	
		Unit-III	0.00	220kV CHP - Gedu	41.31	
		Unit-IV	91.38	220kV CHP - Jamjee - I	75.25	
		-	-	220kV CHP - Jamjee - II	74.82	
		-	-	220kV CHP - Jamjee - III	71.94	
		-	-	220kV Malbase - Birpara Line	13.09	
		-	-	66kV CHP - Gedu Line	4.96	
		Total	273.94	Auxiliary Consumption & Transformation Losses at Generator end	0.60%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	12.02	220kV BHP - Semtokha Line	87.50	All Units & Feeders are in Service.
		Unit-II	9.83	66kV BHP - Lobeysa Line	27.90	
		Total	21.85	220kV BHP - Tsirang Line	-53.46	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	28.44	5MVA, 66/11kV TFR	0.69	
		Unit-II	20.57	30MVA ICT, 220/66kV (HV)	5.94	
		Total	41.01	Auxiliary Consumption & Transformation Losses at Generator end	0.37%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	62.66	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	53.05	220kV DHP - Dagapela Line	114.00	
		-	-	220kV BitDeer - Dagapela Line	-69.34	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	115.71	Auxiliary Consumption & Transformation Losses at Generator end	0.61%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.44	132kV KHP - Nangkhor Line	52.02	All Units & Feeders are in Service.
		Unit-II	16.54	132kV KHP - Kilikhar Line	13.08	
		Unit-III	16.39	5MVA, 132/11kV TFR	0.44	
		Unit-IV	16.54	132kV Motanga - Rangla Line	52.05	
		Total	65.91	Auxiliary Consumption & Transformation Losses at Generator end	0.56%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.85	132kV NHP-MHP-I	64.37	All Units & Feeders are in Service.
		Unit-II	64.90	132kV NHP-MHP-II	64.36	
		Total	129.75	Auxiliary Consumption & Transformation Losses at Generator end	0.79%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	9.01	66kV SHP-Damdhum (Samtse)	9.89	All Units & Feeders are in Service.
		Unit-II	1.00	-	-	
		Total	10.01	Auxiliary Consumption & Transformation Losses at Generator end	1.20%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	16.17	132kV YHP-Kilikhar	30.12	All Units and Feeders are in Service.
		Unit-II	16.01	5MVA, 132/33kV TFR	1.62	
		Total	32.18	Auxiliary Consumption & Transformation Losses at Generator end	1.37%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	27.16	132kV BSHP-Panbang	54.72	All Units and feeders are in Service.
		Unit-II	27.01	132kV BSHP-Tintibi	-1.11	
		Total	54.17	Auxiliary Consumption & Transformation Losses at Generator end	1.03%	

Note: Generation-Load Summary (MW) for 03-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)	3,573.89	1,602.27	1,971.62

Note: Generation-Load Summary (MW) for 03-Sep-2025, at 19:00 hrs

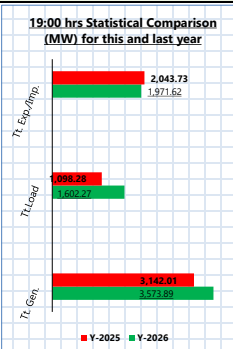
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,142.01	1,098.28	2,043.73

Note: Daily Energy (MUS) and Power(MW) Statistics for 03-Sep-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	84.692	37.13	0.00	47.56	2,128.33

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 04-Sep-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	September 4, 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	227.52	All Units and Feeders are in Service.
		Unit-II	187.66	400kV THP - Siliguri Line - II	226.26	
		Unit-III	187.85	400kV THP - Norbugang - IV	241.66	
		Unit-IV	186.71	400kV THP - Malbase Line - III	418.06	
		Unit-V	186.89	400kV Malbase - Siliguri Line	167.69	
		Unit-VI	187.07	400kV Norbugang-Siliguri Line	108.55	
		Total	1,122.87	Auxiliary Consumption & Transformation Losses at Generator end	0.83%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.85	400kV MHP - Jigmeling Line - I	264.53	400kV MHP-JLG Line -III on Standby.
		Unit-II	198.01	400kV MHP - Jigmeling Line - II	264.03	
		Unit-III	194.12	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.42	400kV MHP - Jigmeling Line - IV	257.74	
		-	-	220kV Jigmeling - BitDeer Line - I	182.77	
		-	-	220kV Jigmeling - BitDeer Line - II	164.15	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	388.73	
		-	-	400kV Jigmeling - Alipurduar Line - I	298.91	
		-	-	400kV Jigmeling - Alipurduar Line - II	296.00	
		-	-	80MVA, 220/132kV ICT - I (HV)	20.97	
		-	-	80MVA, 220/132kV ICT - II (HV)	20.64	
		-	-	132kV MHP - Yurmo Line - II	59.29	
		-	-	132kV MHP - Tintibi Line	66.96	
		-	-	132kV Gelephu - Salakati Line	-23.92	
		Total	788.40	Auxiliary Consumption & Transformation Losses at Generator end	0.62%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	185.93	400kV PHP II - Jigmeling -I	102.93	Unit V under Shutdown.
		Unit-II	178.47	400kV PHP II - Jigmeling -II	102.51	
		Unit-III	184.79	400kV PHP II - Alipurduar -I	356.50	
		Unit-IV	185.39	400kV PHP II - Alipurduar -II	355.98	
		Unit-V	0.00	-	-	
		Unit-VI	182.23	-	-	
		Total	916.72	Auxiliary Consumption & Transformation Losses at Generator end	-0.13%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.59	220kV CHP - Birpara Line - I	1.06	Unit-III Tripped on 19:36hrs (27.08.2026) on operation of PRV of GT-09 of R-Phase
		Unit-II	91.17	220kV CHP - Birpara Line - II	0.81	
		Unit-III	0.00	220kV CHP - Gedu	77.08	
		Unit-IV	91.43	220kV CHP - Jamjee - I	63.79	
		-	-	220kV CHP - Jamjee - II	63.11	
		-	-	220kV CHP - Jamjee - III	61.03	
		-	-	220kV Malbase - Birpara Line	-15.67	
		-	-	66kV CHP - Gedu Line	6.11	
		Total	274.19	Auxiliary Consumption & Transformation Losses at Generator end	0.44%	
5	2 x 12 MW BHP (U/S) (Basochu)	Unit-I	12.00	220kV BHP - Semtokha Line	92.07	All Units & Feeders are in Service.
		Unit-II	11.37	66kV BHP - Lobeysa Line	22.71	
		Total	23.37	220kV BHP - Tsirang Line	-50.15	
6	2 x 20 MW BHP (L/S) (Basochu)	Unit-I	20.44	5MVA, 66/11kV TFR	0.32	All Units & Feeders are in Service.
		Unit-II	20.53	30MVA ICT, 220/66kV (HV)	-0.62	
		Total	40.97	Auxiliary Consumption & Transformation Losses at Generator end	-0.95%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	61.64	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	53.05	220kV DHP - Dagapela Line	114.15	
		-	-	220kV BitDeer - Dagapela Line	-70.09	
		-	-	5MVA, 220/33kV TFR	0.21	
		Total	114.69	Auxiliary Consumption & Transformation Losses at Generator end	0.29%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.59	132kV KHP - Nangkhor Line	45.18	Unit-II under Shutdown.
		Unit-II	0.00	132kV KHP - Kilikhar Line	3.30	
		Unit-III	16.44	5MVA, 132/11kV TFR	0.53	
		Unit-IV	16.44	132kV Motanga - Rangja Line	33.35	
		Total	49.47	Auxiliary Consumption & Transformation Losses at Generator end	0.93%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.87	132kV NHP-MHP-I	64.52	All Units & Feeders are in Service.
		Unit-II	64.94	132kV NHP-MHP-II	64.55	
		Total	129.81	Auxiliary Consumption & Transformation Losses at Generator end	0.57%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	9.01	66kV SHP-Damdhum (Samtse)	8.88	Unit-II under Shutdown.
		Unit-II	0.00	-	-	
		Total	9.01	Auxiliary Consumption & Transformation Losses at Generator end	1.44%	
11	22.38 MWp SSP (Sephu Solar Plant)	Inverter-1	1.86	33kV SSP-Wangdue	8.01	33kV SSP-Trongsa under Shutdown.
		Inverter-2	2.91	33kV SSP-Trongsa	0.00	
		Inverter-3	3.26	-	-	
		Inverter-4	0.00	-	-	
		Inverter-5	0.00	-	-	
		Total	8.02	Auxiliary Consumption & Transformation Losses at Generator end	0.16%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	16.12	132kV YHP-Kilikhar	30.99	All Units and Feeders are in Service.
		Unit-II	16.00	5MVA, 132/33kV TFR	0.69	
		Total	32.12	Auxiliary Consumption & Transformation Losses at Generator end	1.37%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	27.17	132kV BSHP-Panbang	40.96	All Units and Feeders are in Service.
		Unit-II	27.05	132kV BSHP-Tintibi	12.64	
		Total	54.22	Auxiliary Consumption & Transformation Losses at Generator end	1.14%	

Note: Generation-Load Summary (MW) for 04-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)	3,563.86	1,530.82	2,033.04

Note: Generation-Load Summary (MW) for 04-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)	3,150.85	1,082.51	2,068.34

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

