

THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 10-Sep-2026(+ve:import,+ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	September 9, 2026	19:00:00			08-Sep-26	19:01:50
						1,645.81
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	6 x 170 MW THP (Tala)	Unit-I	187.65	400kV THP - Siliguri Line - I	213.45	All Units and Feeders are in Service.
		Unit-II	187.61	400kV THP - Siliguri Line - II	212.07	
		Unit-III	187.06	400kV THP - Norbugang Line - IV	248.04	
		Unit-IV	186.65	400kV THP - Malbase Line - III	439.69	
		Unit-V	186.85	400kV Malbase - Siliguri Line	146.05	
		Unit-VI	187.13	400kV Norbugang-Siliguri Line	88.92	
		Total	1,122.95	Auxiliary Consumption & Transformation Losses at Generator end	0.86%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.78	400kV MHP - Jigmeling Line - I	264.59	400kV MHP-JLG Line -III on Standby.
		Unit-II	197.91	400kV MHP - Jigmeling Line - II	264.15	
		Unit-III	194.43	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.40	400kV MHP - Jigmeling Line - IV	257.81	
		-	-	220kV Jigmeling - BitDeer Line - I	176.42	
		-	-	220kV Jigmeling - BitDeer Line - II	159.86	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	425.09	
		-	-	400kV Jigmeling - Alipurdur Line - I	288.00	
		-	-	400kV Jigmeling - Alipurdur Line - II	288.00	
		-	-	80MVA, 220/132kV ICT - I (HV)	45.16	
		-	-	80MVA, 220/132kV ICT - II (HV)	44.71	
		-	-	132kV MHP - Yurmo Line - II	48.23	
		-	-	132kV MHP - Tintibi Line	77.21	
		-	-	132kV Gelephu - Salakati Line	-2.92	
		Total	788.52	Auxiliary Consumption & Transformation Losses at Generator end	0.68%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	185.87	400kV PHP II - Jigmeling -I	112.56	Unit-V under Shutdown.
		Unit-II	181.00	400kV PHP II - Jigmeling -II	111.92	
		Unit-III	187.59	400kV PHP II - Alipurdur -I	351.70	
		Unit-IV	185.24	400kV PHP II - Alipurdur -II	351.45	
		Unit-V	0.00	-	-	
		Unit-VI	185.77	-	-	
		Total	925.47	Auxiliary Consumption & Transformation Losses at Generator end	-0.23%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.28	220kV CHP - Birpara Line - I	17.51	All Units and Feeders are in Service.
		Unit-II	91.24	220kV CHP - Birpara Line - II	17.09	
		Unit-III	91.31	220kV CHP - Gedu	79.70	
		Unit-IV	91.42	220kV CHP - Jamjee - I	82.49	
		-	-	220kV CHP - Jamjee - II	81.44	
		-	-	220kV CHP - Jamjee - III	78.67	
		-	-	220kV Malbase - Birpara Line	7.32	
		-	-	66kV CHP - Gedu Line	6.89	
		Total	365.25	Auxiliary Consumption & Transformation Losses at Generator end	0.40%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	12.01	220kV BHP - Semtokha Line	69.40	All Units & Feeders are in Service.
		Unit-II	12.00	66kV BHP - Lobeyssa Line	27.28	
6	2 x 20 MW BHP (L/S) (Basochhu)	Total	24.01	220kV BHP - Tsirang Line	-32.70	
		Unit-I	28.43	5MVA, 66/11kV TFR	0.75	
		Unit-II	28.60	30MVA ICT, 220/66kV (HV)	4.42	
		Total	41.03	Auxiliary Consumption & Transformation Losses at Generator end	0.48%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	59.64	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	49.51	220kV DHP - Dagapela Line	109.00	
		-	-	220kV BitDeer - Dagapela Line	-63.55	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	109.15	Auxiliary Consumption & Transformation Losses at Generator end	-0.05%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	0.00	132kV KHP - Nangkor Line	26.93	Unit-I & Unit-IV under Shutdown.
		Unit-II	16.52	132kV KHP - Kilikhar Line	5.23	
		Unit-III	16.62	5MVA, 132/11kV TFR	0.52	
		Unit-IV	0.00	132kV Motanga - Rangla Line	30.16	
		Total	33.14	Auxiliary Consumption & Transformation Losses at Generator end	1.39%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.92	132kV NHP-MHP-I	64.44	All Units & Feeders are in Service.
		Unit-II	64.91	132kV NHP-MHP-II	64.36	
		Total	129.83	Auxiliary Consumption & Transformation Losses at Generator end	0.79%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	9.00	66kV SHP-Damdhum (Samtse)	8.86	Unit II under Shutdown
		Unit-II	0.00	-	-	
		Total	9.00	Auxiliary Consumption & Transformation Losses at Generator end	1.56%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	16.16	132kV YHP-Kilikhar	29.88	All Units and Feeders are in Service.
		Unit-II	15.97	5MVA, 132/33kV TFR	1.76	
		Total	32.13	Auxiliary Consumption & Transformation Losses at Generator end	1.53%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	27.24	132kV BSHP-Panbang	73.99	All Units and feeders are in Service.
		Unit-II	27.12	132kV BSHP-Tintibi	-20.14	
		Total	54.36	Auxiliary Consumption & Transformation Losses at Generator end	0.94%	

Note: Generation-Load Summary (MW) for 09-Sep-2026 at 18:00 hrs

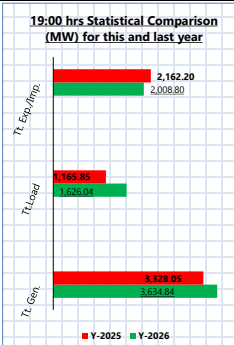
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,634.84	1,626.04	2,008.80

Note: Generation-Load Summary (MW) for 09-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)	3,328.05	1,165.85	2,162.20

Note: Daily Energy (MUs) and Power(MW) Statistics for 09-Sep-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	86.63	37.43	0.00	49.20	2,133.72



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 10-Sep-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	September 10, 2026	9:00 AM			08-Sep-26	19:01:50
						1,645.81
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	6 x 170 MW THP (Tala)	Unit-I	187.40	400kV THP - Siliguri Line - I	224.51	All Units and Feeders are in Service.
		Unit-II	187.63	400kV THP - Siliguri Line - II	223.25	
		Unit-III	186.99	400kV THP - Norbugang - IV	245.39	
		Unit-IV	186.64	400kV THP - Malbase Line - III	420.31	
		Unit-V	186.86	400kV Malbase - Siliguri Line	163.03	
		Unit-VI	187.08	400kV Norbugang-Siliguri Line	88.92	
		Total	1,122.60	Auxiliary Consumption & Transformation Losses at Generator end	0.81%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.61	400kV MHP - Jigmeling Line - I	264.76	400kV MHP-JLG Line -III on Standby.
		Unit-II	197.53	400kV MHP - Jigmeling Line - II	263.95	
		Unit-III	193.97	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.15	400kV MHP - Jigmeling Line - IV	257.75	
		-	-	220kV Jigmeling - BitDeer Line - I	199.90	
		-	-	220kV Jigmeling - BitDeer Line - II	179.64	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	412.73	
		-	-	400kV Jigmeling - Alipurduar Line - I	293.09	
		-	-	400kV Jigmeling - Alipurduar Line - II	292.36	
		-	-	80MVA, 220/132kV ICT - I (HV)	17.42	
		-	-	80MVA, 220/132kV ICT - II (HV)	17.18	
		-	-	132kV MHP - Yurmo Line - II	40.19	
		-	-	132kV MHP - Tintibi Line	77.21	
		-	-	132kV Gelephu - Salakati Line	-10.75	
		Total	787.26	Auxiliary Consumption & Transformation Losses at Generator end	1.56%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	185.87	400kV PHP II - Jigmeling -I	110.67	Unit V under Shutdown.
		Unit-II	181.13	400kV PHP II - Jigmeling -II	109.80	
		Unit-III	187.34	400kV PHP II - Alipurduar -I	354.89	
		Unit-IV	185.71	400kV PHP II - Alipurduar -II	354.38	
		Unit-V	0.00	-	-	
		Unit-VI	186.03	-	-	
		Total	926.08	Auxiliary Consumption & Transformation Losses at Generator end	-0.40%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.38	220kV CHP - Birpara Line - I	18.30	All Units and Feeders are in Service.
		Unit-II	91.22	220kV CHP - Birpara Line - II	17.96	
		Unit-III	91.34	220kV CHP - Gedu	97.90	
		Unit-IV	91.53	220kV CHP - Jamjee - I	75.33	
		-	-	220kV CHP - Jamjee - II	74.65	
		-	-	220kV CHP - Jamjee - III	72.41	
		-	-	220kV Malbase - Birpara Line	-6.63	
		-	-	66kV CHP - Gedu Line	6.97	
		Total	365.47	Auxiliary Consumption & Transformation Losses at Generator end	0.53%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	12.01	220kV BHP - Semtokha Line	59.53	All Units & Feeders are in Service.
		Unit-II	12.00	66kV BHP - Lobeysa Line	22.66	
		Total	24.01	220kV BHP - Tsirang Line	-17.95	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	20.42	5MVA, 66/11kV TFR	0.33	All Units & Feeders are in Service.
		Unit-II	20.55	30MVA ICT, 220/66kV (HV)	-0.69	
		Total	40.97	Auxiliary Consumption & Transformation Losses at Generator end	0.63%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	-0.46	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby. DHP Unit I not able generate to full capacity due governer issue.
		Unit-II	50.04	220kV DHP - Dagapela Line	49.20	
		-	-	220kV BitDeer - Dagapela Line	-6.72	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	49.58	Auxiliary Consumption & Transformation Losses at Generator end	0.36%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.54	132kV KHP - Nangkor Line	55.56	All Units taken for Shutdown at 5:16:55hrs for intake cleaning
		Unit-II	16.53	132kV KHP - Kilikhar Line	9.85	
		Unit-III	16.44	5MVA, 132/11kV TFR	0.39	
		Unit-IV	16.59	132kV Motanga - Rangja Line	50.28	
		Total	66.10	Auxiliary Consumption & Transformation Losses at Generator end	0.45%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.94	132kV NHP-MHP-I	64.45	All Units & Feeders are in Service.
		Unit-II	64.92	132kV NHP-MHP-II	64.46	
		Total	129.86	Auxiliary Consumption & Transformation Losses at Generator end	0.73%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	9.02	66kV SHP-Damdhum (Samtse)	8.88	Unit-II under Shutdown.
		Unit-II	0.00	-	-	
		Total	9.02	Auxiliary Consumption & Transformation Losses at Generator end	1.55%	
11	22.38 MWp SSP (Sephu Solar Plant)	Inverter-1	1.39	33kV SSP-Wangdue	5.69	Inverter 1 tripped at 9:00hrs
		Inverter-2	1.48	33kV SSP-Trongsa	6.14	
		Inverter-3	2.83	-	-	
		Inverter-4	3.46	-	-	
		Inverter-5	2.70	-	-	
		Total	11.85	Auxiliary Consumption & Transformation Losses at Generator end	0.20%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	15.92	132kV YHP-Kilikhar	30.75	All Units and Feeders are in Service.
		Unit-II	16.00	5MVA, 132/33kV TFR	0.72	
		Total	31.92	Auxiliary Consumption & Transformation Losses at Generator end	1.41%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	27.27	132kV BSHP-Panbang	39.18	All Units and Feeders are in Service.
		Unit-II	27.11	132kV BSHP-Tintibi	14.63	
		Total	54.38	Auxiliary Consumption & Transformation Losses at Generator end	1.05%	

Note: Generation-Load Summary (MW) for 10-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)	3,619.10	1,555.51	2,063.59

Note: Generation-Load Summary (MW) for 10-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)	3,335.60	1,112.89	2,222.71

09:00 hrs Statistical Comparison

(MW) for this and last year

