

THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 11-Sep-2026(+ve:import,+ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	September 10, 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	187.55	400kV THP - Siliguri Line - I	206.73	All Units and Feeders are in Service.
		Unit-II	187.75	400kV THP - Siliguri Line - II	205.91	
		Unit-III	187.05	400kV THP - Norbugang Line - IV	248.21	
		Unit-IV	186.85	400kV THP - Malbase Line - III	452.71	
		Unit-V	186.82	400kV Malbase - Siliguri Line	135.94	
		Unit-VI	187.07	400kV Norbugang-Siliguri Line	81.65	
		Total	1,123.09	Auxiliary Consumption & Transformation Losses at Generator end	0.85%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.96	400kV MHP - Jigmeling Line - I	264.47	400kV MHP-JLG Line -III on Standby.
		Unit-II	197.80	400kV MHP - Jigmeling Line - II	264.05	
		Unit-III	194.28	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.23	400kV MHP - Jigmeling Line - IV	257.65	
		-	-	220kV Jigmeling - BitDeer Line - I	181.55	
		-	-	220kV Jigmeling - BitDeer Line - II	164.48	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	434.18	
		-	-	400kV Jigmeling - Alipurdwar Line - I	284.36	
		-	-	400kV Jigmeling - Alipurdwar Line - II	284.36	
		-	-	80MVA, 220/132kV ICT - I (HV)	44.43	
		-	-	80MVA, 220/132kV ICT - II (HV)	43.98	
		-	-	132kV MHP - Yumo Line - II	60.96	
		-	-	132kV MHP - Tintibi Line	66.10	
		-	-	132kV Gelephu - Salakati Line	-13.11	
		Total	788.27	Auxiliary Consumption & Transformation Losses at Generator end	0.51%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	185.87	400kV PHP II - Jigmeling -I	113.25	Unit-V under Shutdown.
		Unit-II	181.05	400kV PHP II - Jigmeling -II	112.51	
		Unit-III	185.90	400kV PHP II - Alipurdwar -I	348.62	
		Unit-IV	185.02	400kV PHP II - Alipurdwar -II	347.98	
		Unit-V	0.00	-	-	
		Unit-VI	186.00	-	-	
		Total	923.84	Auxiliary Consumption & Transformation Losses at Generator end	0.16%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.27	220kV CHP - Birpara Line - I	22.76	All Units and Feeders are in Service.
		Unit-II	90.89	220kV CHP - Birpara Line - II	22.26	
		Unit-III	91.67	220kV CHP - Gedu	67.60	
		Unit-IV	91.61	220kV CHP - Jamjee - I	82.86	
		-	-	220kV CHP - Jamjee - II	82.61	
		-	-	220kV CHP - Jamjee - III	79.68	
		-	-	220kV Malbase - Birpara Line	27.99	
		-	-	66kV CHP - Gedu Line	6.13	
		Total	365.44	Auxiliary Consumption & Transformation Losses at Generator end	0.42%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	12.03	220kV BHP - Sertokha Line	71.01	All Units & Feeders are in Service.
		Unit-II	12.00	66kV BHP - Lobeyssa Line	28.18	
		Total	24.03	220kV BHP - Tsirang Line	-35.07	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	28.46	5MVA, 66/11kV TFR	0.72	
		Unit-II	20.57	30MVA ICT, 220/66kV (HV)	5.25	
		Total	41.03	Auxiliary Consumption & Transformation Losses at Generator end	0.34%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	49.57	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	49.04	220kV DHP - Dagapela Line	98.10	
		-	-	220kV BitDeer - Dagapela Line	65.20	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	98.61	Auxiliary Consumption & Transformation Losses at Generator end	0.31%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	0.00	132kV KHP - Nangkor Line	47.34	Unit-I under Shutdown.
		Unit-II	16.48	132kV KHP - Kilikhar Line	0.76	
		Unit-III	16.63	5MVA, 132/11kV TFR	1.08	
		Unit-IV	16.49	132kV Motanga - Rangla Line	59.02	
		Total	49.60	Auxiliary Consumption & Transformation Losses at Generator end	0.85%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.99	132kV NHP-MHP-I	64.47	All Units & Feeders are in Service.
		Unit-II	64.95	132kV NHP-MHP-II	64.50	
		Total	129.94	Auxiliary Consumption & Transformation Losses at Generator end	0.75%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	9.02	66kV SHP-Damdhum (Samtse)	8.87	Unit II under Shutdown
		Unit-II	0.00	-	-	
		Total	9.02	Auxiliary Consumption & Transformation Losses at Generator end	1.66%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	16.07	132kV YHP-Kilikhar	29.90	All Units and Feeders are in Service.
		Unit-II	16.02	5MVA, 132/33kV TFR	1.76	
		Total	32.09	Auxiliary Consumption & Transformation Losses at Generator end	1.34%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	27.25	132kV BSHP-Panbang	67.27	All Units and feeders are in Service.
		Unit-II	27.10	132kV BSHP-Tintibi	-13.49	
		Total	54.35	Auxiliary Consumption & Transformation Losses at Generator end	1.05%	

Note: Generation-Load Summary (MW) for 10-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)	3,639.31	1,624.84	2,014.47

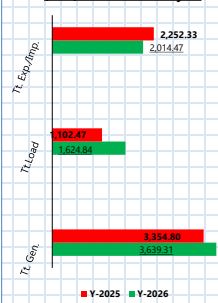
Note: Generation-Load Summary (MW) for 10-Sep-2025, at 19:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,354.80	1,102.47	2,252.33

Note: Daily Energy (MUs) and Power(MW) Statistics for 10-Sep-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	85.35	36.34	0.00	49.01	2,395.40

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 11-Sep-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	September 11, 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	187.53	400kV THP - Siliguri Line - I	287.68	400kV THP-Norbugang-IV & 400kV Norbugang-Siliguri Line tripped at 00:29 hrs (11.09.2026). (Both the Lines are currently under Inspection)
		Unit-II	187.56	400kV THP - Siliguri Line - II	285.61	
		Unit-III	186.98	400kV THP - Norbugang - IV	0.00	
		Unit-IV	186.46	400kV THP - Malbase Line - III	540.11	
		Unit-V	186.86	400kV Malbase - Siliguri Line	207.96	
		Unit-VI	186.96	400kV Norbugang-Siliguri Line	0.00	
		Total	1,122.35	Auxiliary Consumption & Transformation Losses at Generator end	0.85%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.82	400kV MHP - Jigmeling Line - I	264.70	400kV MHP-JLG Line -III on Standby.
		Unit-II	197.82	400kV MHP - Jigmeling Line - II	264.17	
		Unit-III	194.23	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.35	400kV MHP - Jigmeling Line - IV	257.76	
		-	-	220kV Jigmeling - BitDeer Line - I	179.97	
		-	-	220kV Jigmeling - BitDeer Line - II	162.01	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	386.18	
		-	-	400kV Jigmeling - Alipurduar Line - I	300.36	
		-	-	400kV Jigmeling - Alipurduar Line - II	299.64	
		-	-	80MVA, 220/132kV ICT - I (HV)	22.65	
		-	-	80MVA, 220/132kV ICT - II (HV)	22.33	
		-	-	132kV MHP - Yurmo Line - II	57.24	
		-	-	132kV MHP - Tintibi Line	73.50	
		-	-	132kV Gelephu - Salakati Line	-16.67	
		Total	788.22	Auxiliary Consumption & Transformation Losses at Generator end	-0.03%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	185.87	400kV PHP II - Jigmeling -I	104.95	Unit V under Shutdown.
		Unit-II	181.19	400kV PHP II - Jigmeling -II	103.80	
		Unit-III	187.13	400kV PHP II - Alipurduar -I	359.43	
		Unit-IV	185.28	400kV PHP II - Alipurduar -II	358.60	
		Unit-V	0.00	-	-	
		Unit-VI	186.23	-	-	
		Total	925.70	Auxiliary Consumption & Transformation Losses at Generator end	-0.12%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.38	220kV CHP - Birpara Line - I	11.88	All Units and Feeders are in Service.
		Unit-II	91.08	220kV CHP - Birpara Line - II	11.57	
		Unit-III	91.20	220kV CHP - Gedu	122.16	
		Unit-IV	91.51	220kV CHP - Jamjee - I	70.97	
		-	-	220kV CHP - Jamjee - II	70.14	
		-	-	220kV CHP - Jamjee - III	67.94	
		-	-	220kV Malbase - Birpara Line	-33.72	
		-	-	66kV CHP - Gedu Line	9.17	
		Total	365.17	Auxiliary Consumption & Transformation Losses at Generator end	0.37%	
5	2 x 12 MW BHP (U/S) (Basochu)	Unit-I	12.01	220kV BHP - Semtokha Line	77.06	All Units & Feeders are in Service.
		Unit-II	12.00	66kV BHP - Lobeysa Line	25.13	
		Total	24.01	220kV BHP - Tsirang Line	-37.76	
6	2 x 20 MW BHP (L/S) (Basochu)	Unit-I	20.31	5MVA, 66/11kV TFR	0.27	All Units & Feeders are in Service.
		Unit-II	20.54	30MVA ICT, 220/66kV (HV)	1.76	
		Total	40.85	Auxiliary Consumption & Transformation Losses at Generator end	0.25%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	54.58	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	52.02	220kV DHP - Dagapela Line	106.34	
		-	-	220kV BitDeer - Dagapela Line	-63.49	
		-	-	5MVA, 220/33kV TFR	0.21	
		Total	106.60	Auxiliary Consumption & Transformation Losses at Generator end	0.05%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.58	132kV KHP - Nangkhor Line	57.83	All Units & Feeders are in Service.
		Unit-II	16.55	132kV KHP - Kilikhar Line	7.29	
		Unit-III	16.58	5MVA, 132/11kV TFR	0.50	
		Unit-IV	16.60	132kV Motanga - Rangja Line	42.20	
		Total	66.31	Auxiliary Consumption & Transformation Losses at Generator end	1.04%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.87	132kV NHP-MHP-I	64.45	All Units & Feeders are in Service.
		Unit-II	64.91	132kV NHP-MHP-II	64.49	
		Total	129.78	Auxiliary Consumption & Transformation Losses at Generator end	0.65%	
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	0.00	33kV SSP-Wangdue	0.00	Inverter 1,2 &3 under Shutdown. 33kV SSP-Wangdue Line under Shutdown. (Shutdown taken by BPC at 8:41 to carryout relay testing of 33kV feeder 2 at Lobesa Substation)
		Inverter-2	0.00	33kV SSP-Trongsa	3.32	
		Inverter-3	0.00	-	-	
		Inverter-4	1.67	-	-	
		Inverter-5	1.66	-	-	
		Total	3.33	Auxiliary Consumption & Transformation Losses at Generator end	0.33%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	16.19	132kV YHP-Kilikhar	31.07	All Units and Feeders are in Service.
		Unit-II	15.98	5MVA, 132/33kV TFR	0.67	
		Total	32.17	Auxiliary Consumption & Transformation Losses at Generator end	1.34%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	27.06	132kV BSHP-Panbang	37.47	All Units and Feeders are in Service.
		Unit-II	27.10	132kV BSHP-Tintibi	16.14	
		Total	54.16	Auxiliary Consumption & Transformation Losses at Generator end	1.02%	

Note: Generation-Load Summary (MW) for 11-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)	3,667.66	1,553.72	2,113.94

Note: Generation-Load Summary (MW) for 11-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)	3,137.88	1,128.72	2,009.16

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

