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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 17-Sep-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	September 17, 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	187.44	400kV THP - Siliguri Line - I	300.99	400kV THP-Norbugang-IV tripped at 00:29 hrs (11.09.2026).
		Unit-II	187.60	400kV THP - Siliguri Line - II	299.19	
		Unit-III	186.93	400kV THP - Norbugang - IV	0.00	
		Unit-IV	187.22	400kV THP - Malbase Line - III	513.36	
		Unit-V	186.85	400kV Malbase - Siliguri Line	230.30	
		Unit-VI	187.12	400kV Norbugang-Siliguri Line	-96.83	
		Total	1,123.16	Auxiliary Consumption & Transformation Losses at Generator end	0.86%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.93	400kV MHP - Jigmeling Line - I	265.04	400kV MHP-JLG Line -III on Standby.
		Unit-II	198.04	400kV MHP - Jigmeling Line - II	264.37	
		Unit-III	194.85	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.46	400kV MHP - Jigmeling Line - IV	258.06	
		-	-	220kV Jigmeling - BitDeer Line - I	187.88	
		-	-	220kV Jigmeling - BitDeer Line - II	169.60	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	419.64	
		-	-	400kV Jigmeling - Alipurduar Line - I	296.00	
		-	-	400kV Jigmeling - Alipurduar Line - II	295.00	
		-	-	80MVA, 220/132kV ICT - I (HV)	31.73	
		-	-	80MVA, 220/132kV ICT - II (HV)	31.45	
		-	-	132kV MHP - Yurmo Line - II	60.06	
		-	-	132kV MHP - Tintibi Line	57.16	
		-	-	132kV Gelephu - Salakati Line	-22.93	
		Total	789.28	Auxiliary Consumption & Transformation Losses at Generator end	0.49%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	186.00	400kV PHP II - Jigmeling -I	106.59	All Units and Feeders are in Service.
		Unit-II	151.95	400kV PHP II - Jigmeling -II	106.09	
		Unit-III	151.93	400kV PHP II - Alipurduar -I	358.45	
		Unit-IV	149.35	400kV PHP II - Alipurduar -II	358.21	
		Unit-V	170.45	-	-	
		Unit-VI	149.10	-	-	
		Total	958.78	Auxiliary Consumption & Transformation Losses at Generator end	3.07%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.55	220kV CHP - Birpara Line - I	13.08	All Units and Feeders are in Service.
		Unit-II	91.12	220kV CHP - Birpara Line - II	12.60	
		Unit-III	91.26	220kV CHP - Gedu	118.58	
		Unit-IV	91.44	220kV CHP - Jamjee - I	71.89	
		-	-	220kV CHP - Jamjee - II	71.59	
		-	-	220kV CHP - Jamjee - III	68.93	
		-	-	220kV Malbase - Birpara Line	-27.47	
		-	-	66kV CHP - Gedu Line	7.84	
		Total	365.37	Auxiliary Consumption & Transformation Losses at Generator end	0.24%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	11.98	220kV BHP - Semtokha Line	78.52	All Units & Feeders are in Service.
		Unit-II	12.00	66kV BHP - Lobeysa Line	24.62	
		Total	23.98	220kV BHP - Tsirang Line	-38.45	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	20.41	5MVA, 66/11kV TFR	0.31	All Units & Feeders are in Service.
		Unit-II	20.72	30MVA ICT, 220/66kV (HV)	1.33	
		Total	41.13	Auxiliary Consumption & Transformation Losses at Generator end	0.17%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	46.03	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	46.03	220kV DHP - Dagapela Line	91.66	
		-	-	220kV BitDeer - Dagapela Line	-47.64	
		-	-	5MVA, 220/33kV TFR	0.18	
		Total	92.06	Auxiliary Consumption & Transformation Losses at Generator end	0.24%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.48	132kV KHP - Nangkor Line	58.00	All Units & Feeders are in Service.
		Unit-II	16.55	132kV KHP - Kilikhar Line	6.19	
		Unit-III	16.47	5MVA, 132/11kV TFR	0.86	
		Unit-IV	16.63	132kV Motanga - Rangja Line	34.45	
		Total	66.13	Auxiliary Consumption & Transformation Losses at Generator end	0.42%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	55.08	132kV NHP-MHP-I	54.70	All Units & Feeders are in Service.
		Unit-II	64.87	132kV NHP-MHP-II	64.54	
		Total	119.95	Auxiliary Consumption & Transformation Losses at Generator end	0.59%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	0.00	66kV SHP-Damdhum (Samtse)	0.00	Unit I & Unit II under Shutdown. 66kV SHP-Damdhum on Standby
		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	0.66	33kV SSP-Wangdue	2.79	Inverter-4 & 5 under Shutdown. 33kV SSP-Trongsa line under Shutdown.
		Inverter-2	1.10	33kV SSP-Trongsa	0.00	
		Inverter-3	1.04	-	-	
		Inverter-4	0.00	-	-	
		Inverter-5	0.00	-	-	
		Total	2.80	Auxiliary Consumption & Transformation Losses at Generator end	0.50%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	15.95	132kV YHP-Kilikhar	30.84	All Units & Feeders are in Service.
		Unit-II	16.06	5MVA, 132/33kV TFR	0.75	
		Total	32.01	Auxiliary Consumption & Transformation Losses at Generator end	1.31%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	27.22	132kV BSHP-Panbang	20.13	All Units & Feeders are in Service.
		Unit-II	14.73	132kV BSHP-Tintibi	21.38	
		Total	41.95	Auxiliary Consumption & Transformation Losses at Generator end	1.05%	

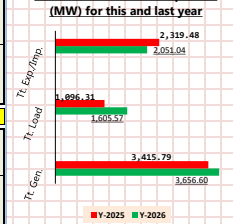
Note: Generation-Load Summary (MW) for 17-Sep-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,656.60	1,605.57	2,051.04

Note: Generation-Load Summary (MW) for 17-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)	3,415.79	1,096.31	2,319.48

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



THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 17-Sep-2026(+ve:import,+ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	September 16, 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	187.51	400kV THP - Siliguri Line - I	286.41	400kV THP-Norbugang-IV tripped at 00:29 hrs (11.09.2026).
		Unit-II	187.71	400kV THP - Siliguri Line - II	284.81	
		Unit-III	187.09	400kV THP - Norbugang Line - IV	0.00	
		Unit-IV	187.17	400kV THP - Malbase Line - III	542.40	
		Unit-V	186.81	400kV Malbase - Siliguri Line	207.46	
		Unit-VI	187.07	400kV Norbugang-Siliguri Line	-96.83	
		Total	1,123.36	Auxiliary Consumption & Transformation Losses at Generator end	0.87%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.74	400kV MHP - Jigmeling Line - I	264.83	400kV MHP-JLG Line -III on Standby.
		Unit-II	197.74	400kV MHP - Jigmeling Line - II	264.39	
		Unit-III	194.97	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.24	400kV MHP - Jigmeling Line - IV	257.88	
		-	-	220kV Jigmeling - BitDeer Line - I	186.40	
		-	-	220kV Jigmeling - BitDeer Line - II	168.46	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	423.64	
		-	-	400kV Jigmeling - Alipurdwar Line - I	289.46	
		-	-	400kV Jigmeling - Alipurdwar Line - II	288.00	
		-	-	80MVA, 220/132kV ICT - I (HV)	35.06	
		-	-	80MVA, 220/132kV ICT - II (HV)	34.61	
		-	-	132kV MHP - Yurmo Line - II	61.95	
		-	-	132kV MHP - Tintibi Line	65.13	
		-	-	132kV Gelephu - Salakati Line	-13.43	
		Total	788.69	Auxiliary Consumption & Transformation Losses at Generator end	0.44%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	186.00	400kV PHP II - Jigmeling -I	112.41	Unit-V under shutdown.
		Unit-II	180.95	400kV PHP II - Jigmeling -II	111.33	
		Unit-III	187.07	400kV PHP II - Alipurdwar -I	352.58	
		Unit-IV	185.85	400kV PHP II - Alipurdwar -II	351.72	
		Unit-V	0.00	-	-	
		Unit-VI	186.57	-	-	
		Total	926.44	Auxiliary Consumption & Transformation Losses at Generator end	-0.17%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.28	220kV CHP - Birpara Line - I	17.87	All Units & Feeders are in Service.
		Unit-II	91.18	220kV CHP - Birpara Line - II	17.36	
		Unit-III	91.30	220kV CHP - Gedu	88.98	
		Unit-IV	91.46	220kV CHP - Jamjee - I	78.64	
		-	-	220kV CHP - Jamjee - II	77.60	
		-	-	220kV CHP - Jamjee - III	74.93	
		-	-	220kV Malbase - Birpara Line	3.00	
		-	-	66kV CHP - Gedu Line	8.08	
		Total	365.22	Auxiliary Consumption & Transformation Losses at Generator end	0.48%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	11.99	220kV BHP - Sertokha Line	81.45	All Units and Feeders are in Service.
		Unit-II	12.00	66kV BHP - Lobeysa Line	28.92	
		Total	23.99	220kV BHP - Tsirang Line	-46.03	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	28.45	5MVA, 66/11kV TFR	0.66	
		Unit-II	28.73	30MVA ICT, 220/66kV (HV)	5.99	
		Total	41.18	Auxiliary Consumption & Transformation Losses at Generator end	0.26%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	45.68	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	47.71	220kV DHP - Dagapela Line	92.82	
		-	-	220kV BitDeer - Dagapela Line	-48.16	
		-	-	5MVA, 220/33kV TFR	0.21	
		Total	93.39	Auxiliary Consumption & Transformation Losses at Generator end	0.39%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.55	132kV KHP - Nangkor Line	52.43	All Units & Feeders are in Service.
		Unit-II	16.59	132kV KHP - Kilikhar Line	12.35	
		Unit-III	16.48	5MVA, 132/11kV TFR	1.05	
		Unit-IV	16.66	132kV Motanga - Rangla Line	46.44	
		Total	66.28	Auxiliary Consumption & Transformation Losses at Generator end	0.68%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.84	132kV NHP-MHP-I	64.46	All Units & Feeders are in Service.
		Unit-II	64.80	132kV NHP-MHP-II	64.51	
		Total	129.64	Auxiliary Consumption & Transformation Losses at Generator end	0.52%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	0.00	66kV SHP-Damdhum (Samtse)	0.00	Unit I & Unit II under Shutdown 66kV SHP-Damdhum on Standby
		Unit-II	0.00	-	-	
		Total	0.00	Auxiliary Consumption & Transformation Losses at Generator end	0.00%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	16.18	132kV YHP-Kilikhar	30.28	All Units & Feeders are in Service.
		Unit-II	16.06	5MVA, 132/33kV TFR	1.49	
		Total	32.24	Auxiliary Consumption & Transformation Losses at Generator end	1.46%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	27.15	132kV BSHP-Panbang	51.16	All Units and Feeders are in Service.
		Unit-II	27.05	132kV BSHP-Tintibi	2.39	
		Total	54.20	Auxiliary Consumption & Transformation Losses at Generator end	1.20%	

Note: Generation-Load Summary (MW) for 16-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)	3,644.63	1,609.78	2,034.85

Note: Generation-Load Summary (MW) for 16-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)	3,243.49	1,149.53	2,093.96

Note: Daily Energy (MUS) and Power(MW) Statistics for 16-Sep-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	85.43	37.12	0.00	48.28	2,125.82

- 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.