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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 16-Sep-2026(+ve:import, -ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	September 16, 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	187.44	400kV THP - Siliguri Line - I	294.78	400kV THP-Norbugang-IV tripped at 00:29 hrs (11.09.2026).
		Unit-II	187.65	400kV THP - Siliguri Line - II	292.71	
		Unit-III	186.97	400kV THP - Norbugang - IV	0.00	
		Unit-IV	187.11	400kV THP - Malbase Line - III	526.23	
		Unit-V	186.84	400kV Malbase - Siliguri Line	228.22	
		Unit-VI	187.14	400kV Norbugang-Siliguri Line	-77.00	
		Total	1,123.15	Auxiliary Consumption & Transformation Losses at Generator end	0.85%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.86	400kV MHP - Jigmeling Line - I	264.95	400kV MHP-JLG Line -III on Standby.
		Unit-II	197.73	400kV MHP - Jigmeling Line - II	264.18	
		Unit-III	194.75	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.40	400kV MHP - Jigmeling Line - IV	257.98	
		-	-	220kV Jigmeling - BitDeer Line - I	184.33	
		-	-	220kV Jigmeling - BitDeer Line - II	165.60	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	383.27	
		-	-	400kV Jigmeling - Alipurdhar Line - I	266.18	
		-	-	400kV Jigmeling - Alipurdhar Line - II	265.46	
		-	-	80MVA, 220/132kV ICT - I (HV)	17.41	
		-	-	80MVA, 220/132kV ICT - II (HV)	17.27	
		-	-	132kV MHP - Yurmo Line - II	59.26	
		-	-	132kV MHP - Tintibi Line	67.78	
		-	-	132kV Gelephu - Salakati Line	-15.95	
		Total	788.74	Auxiliary Consumption & Transformation Losses at Generator end	0.44%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	187.00	400kV PHP II - Jigmeling -I	68.63	Unit-II & Unit-V under Shutdown.
		Unit-II	0.00	400kV PHP II - Jigmeling -II	68.10	
		Unit-III	187.19	400kV PHP II - Alipurdhar -I	306.55	
		Unit-IV	185.82	400kV PHP II - Alipurdhar -II	306.30	
		Unit-V	0.00	-	-	
		Unit-VI	186.39	-	-	
		Total	746.40	Auxiliary Consumption & Transformation Losses at Generator end	-0.43%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.32	220kV CHP - Birpara Line - I	19.68	All Units and Feeders are in Service.
		Unit-II	91.47	220kV CHP - Birpara Line - II	19.54	
		Unit-III	91.29	220kV CHP - Gedu	103.89	
		Unit-IV	91.29	220kV CHP - Jamjee - I	72.47	
		-	-	220kV CHP - Jamjee - II	71.84	
		-	-	220kV CHP - Jamjee - III	69.36	
		-	-	220kV Malbase - Birpara Line	-6.81	
		-	-	66kV CHP - Gedu Line	7.47	
		Total	365.37	Auxiliary Consumption & Transformation Losses at Generator end	0.31%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	11.98	220kV BHP - Semtokha Line	72.70	All Units & Feeders are in Service.
		Unit-II	12.00	66kV BHP - Lobeysa Line	24.76	
		Total	23.98	220kV BHP - Tsirang Line	-32.83	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	20.42	5MVA, 66/11kV TFR	0.36	All Units & Feeders are in Service.
		Unit-II	20.74	30MVA ICT, 220/66kV (HV)	1.49	
		Total	41.16	Auxiliary Consumption & Transformation Losses at Generator end	0.23%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	48.63	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	47.05	220kV DHP - Dagapela Line	95.00	
		-	-	220kV BitDeer - Dagapela Line	-52.12	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	95.68	Auxiliary Consumption & Transformation Losses at Generator end	0.50%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.51	132kV KHP - Nangkhor Line	56.68	All Units & Feeders are in Service.
		Unit-II	16.50	132kV KHP - Kilikhar Line	8.41	
		Unit-III	16.52	5MVA, 132/11kV TFR	0.61	
		Unit-IV	16.63	132kV Motanga - Rangja Line	43.98	
		Total	66.16	Auxiliary Consumption & Transformation Losses at Generator end	0.70%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.95	132kV NHP-MHP-I	64.42	All Units & Feeders are in Service.
		Unit-II	64.89	132kV NHP-MHP-II	64.47	
		Total	129.84	Auxiliary Consumption & Transformation Losses at Generator end	0.73%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	0.00	66kV SHP-Damdhum (Samtse)	-0.02	Unit I & Unit II under Shutdown.
		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	0.18	33kV SSP-Wangdue	1.63	33kV SSP-Trongsra line under Shutdown.
		Inverter-2	0.36	33kV SSP-Trongsra	0.00	
		Inverter-3	0.33	-	-	
		Inverter-4	0.39	-	-	
		Inverter-5	0.38	-	-	
		Total	1.64	Auxiliary Consumption & Transformation Losses at Generator end	0.61%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	16.08	132kV YHP-Kilikhar	30.86	All Units & Feeders are in Service.
		Unit-II	16.08	5MVA, 132/33kV TFR	0.87	
		Total	32.16	Auxiliary Consumption & Transformation Losses at Generator end	1.34%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	27.16	132kV BSHP-Panbang	32.25	All Units & Feeders are in Service.
		Unit-II	27.00	132kV BSHP-Tintibi	21.38	
		Total	54.16	Auxiliary Consumption & Transformation Losses at Generator end	0.98%	

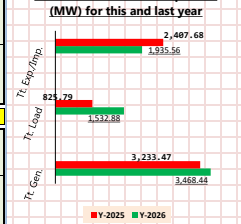
Note: Generation-Load Summary (MW) for 16-Sep-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,468.44	1,532.88	1,935.56

Note: Generation-Load Summary (MW) for 16-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)	3,233.47	825.79	2,407.68

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 16-Sep-2026(+ve:import,+ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	September 15, 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	187.54	400kV THP - Siliguri Line - I	291.39	400kV THP-Norbugang-IV tripped at 00:29 hrs (11.09.2026).
		Unit-II	187.64	400kV THP - Siliguri Line - II	290.37	
		Unit-III	186.97	400kV THP - Norbugang Line - IV	0.00	
		Unit-IV	185.82	400kV THP - Malbase Line - III	530.20	
		Unit-V	186.77	400kV Malbase - Siliguri Line	217.00	
		Unit-VI	187.12	400kV Norbugang-Siliguri Line	-68.26	
		Total	1,121.86	Auxiliary Consumption & Transformation Losses at Generator end	0.88%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.89	400kV MHP - Jigmeling Line - I	265.09	400kV MHP-JLG Line -III on Standby.
		Unit-II	197.80	400kV MHP - Jigmeling Line - II	264.60	
		Unit-III	195.35	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.43	400kV MHP - Jigmeling Line - IV	258.00	
		-	-	220kV Jigmeling - BitDeer Line - I	176.76	
		-	-	220kV Jigmeling - BitDeer Line - II	160.05	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	412.00	
		-	-	400kV Jigmeling - Aliparduar Line - I	293.09	
		-	-	400kV Jigmeling - Aliparduar Line - II	292.36	
		-	-	80MVA, 220/132kV ICT - I (HV)	38.11	
		-	-	80MVA, 220/132kV ICT - II (HV)	37.69	
		-	-	132kV MHP - Yurno Line - II	61.83	
		-	-	132kV MHP - Tintibi Line	65.40	
		-	-	132kV Gelephu - Salakati Line	-10.75	
		Total	789.47	Auxiliary Consumption & Transformation Losses at Generator end	0.43%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	186.28	400kV PHP II - Jigmeling -I	109.47	Unit-V under shutdown.
		Unit-II	179.88	400kV PHP II - Jigmeling -II	108.62	
		Unit-III	186.89	400kV PHP II - Aliparduar -I	354.63	
		Unit-IV	186.31	400kV PHP II - Aliparduar -II	353.96	
		Unit-V	0.00	-	-	
		Unit-VI	186.65	-	-	
		Total	926.01	Auxiliary Consumption & Transformation Losses at Generator end	-0.07%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.33	220kV CHP - Birpara Line - I	21.17	All Units & Feeders are in Service.
		Unit-II	91.19	220kV CHP - Birpara Line - II	20.58	
		Unit-III	91.48	220kV CHP - Gedu	76.94	
		Unit-IV	91.53	220kV CHP - Jamjee - I	80.82	
		-	-	220kV CHP - Jamjee - II	80.15	
		-	-	220kV CHP - Jamjee - III	77.37	
		-	-	220kV Malbase - Birpara Line	17.18	
		-	-	66kV CHP - Gedu Line	7.43	
		Total	365.53	Auxiliary Consumption & Transformation Losses at Generator end	0.29%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	12.00	220kV BHP - Semtokha Line	78.79	All Units and Feeders are in Service.
		Unit-II	12.00	66kV BHP - Lobeysa Line	28.94	
		Total	24.00	220kV BHP - Tsirang Line	-43.32	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	28.46	5MVA, 66/11kV TFR	0.69	
		Unit-II	28.76	30MVA ICT, 220/66kV (HV)	6.01	
		Total	41.22	Auxiliary Consumption & Transformation Losses at Generator end	0.18%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	50.16	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	50.14	220kV DHP - Dagapela Line	100.15	
		-	-	220kV BitDeer - Dagapela Line	-55.22	
		-	-	5MVA, 220/33kV TFR	0.21	
		Total	100.30	Auxiliary Consumption & Transformation Losses at Generator end	-0.06%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.54	132kV KHP - Nangkhor Line	51.41	All Units & Feeders are in Service.
		Unit-II	16.44	132kV KHP - Kilikhar Line	13.07	
		Unit-III	16.56	5MVA, 132/11kV TFR	1.01	
		Unit-IV	16.57	132kV Motanga - Rangla Line	50.49	
		Total	66.11	Auxiliary Consumption & Transformation Losses at Generator end	0.94%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.93	132kV NHP-MHP-I	64.42	All Units & Feeders are in Service.
		Unit-II	64.91	132kV NHP-MHP-II	64.44	
		Total	129.84	Auxiliary Consumption & Transformation Losses at Generator end	0.75%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	0.00	66kV SHP-Damdhum (Samtse)	-0.02	Unit I & Unit II under Shutdown
		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	16.22	132kV YHP-Kilikhar	30.07	All Units & Feeders are in Service.
		Unit-II	16.06	5MVA, 132/33kV TFR	1.74	
		Total	32.28	Auxiliary Consumption & Transformation Losses at Generator end	1.46%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	27.16	132kV BSHP-Panbang	54.41	All Units and Feeders are in Service.
		Unit-II	27.12	132kV BSHP-Tintibi	-0.72	
		Total	54.28	Auxiliary Consumption & Transformation Losses at Generator end	1.09%	

Note: Generation-Load Summary (MW) for 15-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)	3,650.90	1,527.69	2,123.21

Note: Generation-Load Summary (MW) for 15-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)	3,232.46	1,001.57	2,230.89

Note: Daily Energy (MUS) and Power(MW) Statistics for 15-Sep-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	86.20	37.25	0.00	48.87	2,155.39

- 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.