



ལྷན་ཁག་དང་ལས་ཁུངས་ཀྱི་འཛིན་སྐྱོང་གི་དཔལ་འབྱོར་ལྷན་ཁག་
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 21-Sep-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	September 21, 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	187.46	400kV THP - Siliguri Line - I	298.51	400kV THP-Norbugang-IV tripped at 00:29 hrs (11.09.2026).
		Unit-II	187.60	400kV THP - Siliguri Line - II	296.75	
		Unit-III	186.98	400kV THP - Norbugang - IV	0.00	
		Unit-IV	187.12	400kV THP - Malbase Line - III	518.24	
		Unit-V	186.84	400kV Malbase - Siliguri Line	227.17	
		Unit-VI	187.05	400kV Norbugang-Siliguri Line	-79.36	
		Total	1,123.05	Auxiliary Consumption & Transformation Losses at Generator end	0.85%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.95	400kV MHP - Jigmeling Line - I	264.25	400kV MHP-JLG Line -III on Standby.
		Unit-II	197.32	400kV MHP - Jigmeling Line - II	263.61	
		Unit-III	193.22	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.16	400kV MHP - Jigmeling Line - IV	257.30	
		-	-	220kV Jigmeling - BitDeer Line - I	192.81	
		-	-	220kV Jigmeling - BitDeer Line - II	173.43	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	405.46	
		-	-	400kV Jigmeling - Alipurduar Line - I	293.82	
		-	-	400kV Jigmeling - Alipurduar Line - II	293.09	
		-	-	80MVA, 220/132kV ICT - I (HV)	20.24	
		-	-	80MVA, 220/132kV ICT - II (HV)	19.98	
		-	-	132kV MHP - Yurmo Line - II	54.65	
		-	-	132kV MHP - Tintibi Line	72.32	
		-	-	132kV Gelephu - Salakati Line	-20.16	
		Total	786.65	Auxiliary Consumption & Transformation Losses at Generator end	0.44%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	183.17	400kV PHP II - Jigmeling -I	108.77	Unit-V under Shutdown.
		Unit-II	180.78	400kV PHP II - Jigmeling -II	108.05	
		Unit-III	185.62	400kV PHP II - Alipurduar -I	355.12	
		Unit-IV	185.63	400kV PHP II - Alipurduar -II	354.72	
		Unit-V	0.00	-	-	
		Unit-VI	186.01	-	-	
		Total	921.21	Auxiliary Consumption & Transformation Losses at Generator end	-0.59%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.32	220kV CHP - Birpara Line - I	14.39	All Units and Feeders are in Service.
		Unit-II	91.21	220kV CHP - Birpara Line - II	13.89	
		Unit-III	91.31	220kV CHP - Gedu	111.68	
		Unit-IV	91.43	220kV CHP - Jamjee - I	72.92	
		-	-	220kV CHP - Jamjee - II	72.45	
		-	-	220kV CHP - Jamjee - III	70.04	
		-	-	220kV Malbase - Birpara Line	-20.22	
		-	-	66kV CHP - Gedu Line	7.91	
		Total	365.27	Auxiliary Consumption & Transformation Losses at Generator end	0.54%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	11.84	220kV BHP - Semtokha Line	76.33	All Units & Feeders are in Service.
		Unit-II	12.00	66kV BHP - Lobeysa Line	24.53	
		Total	23.84	220kV BHP - Tsirang Line	-36.37	
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	20.71	30MVA ICT, 220/66kV (HV)	1.43	
		Total	41.13	Auxiliary Consumption & Transformation Losses at Generator end	0.18%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	41.00	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	40.01	220kV DHP - Dagapela Line	80.80	
		-	-	220kV BitDeer - Dagapela Line	-37.50	
		-	-	5MVA, 220/33kV TFR	0.30	
		Total	81.01	Auxiliary Consumption & Transformation Losses at Generator end	-0.11%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.71	132kV KHP - Nangkor Line	59.54	All Units & Feeders are in Service.
		Unit-II	16.56	132kV KHP - Kilikhar Line	5.90	
		Unit-III	16.49	5MVA, 132/11kV TFR	0.33	
		Unit-IV	16.43	132kV Motanga - Rangja Line	49.92	
		Total	66.19	Auxiliary Consumption & Transformation Losses at Generator end	0.63%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.91	132kV NHP-MHP-I	64.47	All Units & Feeders are in Service.
		Unit-II	64.95	132kV NHP-MHP-II	64.49	
		Total	129.86	Auxiliary Consumption & Transformation Losses at Generator end	0.69%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	0.00	66kV SHP-Damdhum (Samtse)	-0.03	Unit I & Unit II under Shutdown. 66kV SHP-Damdhum Line 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	0.86	33kV SSP-Wangdue	3.70	All Inverters & Feeders are in Service.
		Inverter-2	1.44	33kV SSP-Trongsa	3.35	
		Inverter-3	1.40	-	-	
		Inverter-4	1.82	-	-	
		Inverter-5	1.54	-	-	
		Total	7.06	Auxiliary Consumption & Transformation Losses at Generator end	0.17%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	16.03	132kV YHP-Kilikhar	26.78	All Units & Feeders are in Service.
		Unit-II	12.06	5MVA, 132/33kV TFR	0.92	
		Total	28.09	Auxiliary Consumption & Transformation Losses at Generator end	1.39%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	27.15	132kV BSHP-Panbang	39.81	All Units & Feeders are in Service.
		Unit-II	27.12	132kV BSHP-Tintibi	13.87	
		Total	54.27	Auxiliary Consumption & Transformation Losses at Generator end	1.09%	

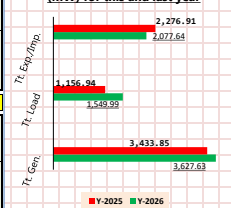
Note: Generation-Load Summary (MW) for 21-Sep-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,627.63	1,549.99	2,077.64

Note: Generation-Load Summary (MW) for 21-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)	3,433.85	1,156.94	2,276.91

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 21-Sep-2026(+ve:import,+ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	September 20, 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	187.56	400kV THP - Siliguri Line - I	287.88	400kV THP-Norbugang-IV tripped at 00:29 hrs (11.09.2026).
		Unit-II	187.61	400kV THP - Siliguri Line - II	286.24	
		Unit-III	187.02	400kV THP - Norbugang Line - IV	0.00	
		Unit-IV	187.10	400kV THP - Malbase Line - III	539.51	
		Unit-V	186.83	400kV Malbase - Siliguri Line	208.76	
		Unit-VI	187.02	400kV Norbugang-Siliguri Line	-93.63	
		Total	1,123.14	Auxiliary Consumption & Transformation Losses at Generator end	0.85%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.79	400kV MHP - Jigmeling Line - I	264.67	400kV MHP-JLG Line -III on Standby.
		Unit-II	197.81	400kV MHP - Jigmeling Line - II	264.28	
		Unit-III	194.22	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.39	400kV MHP - Jigmeling Line - IV	257.85	
		-	-	220kV Jigmeling - BitDeer Line - I	191.42	
		-	-	220kV Jigmeling - BitDeer Line - II	172.88	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	428.36	
		-	-	400kV Jigmeling - Aliparduar Line - I	287.27	
		-	-	400kV Jigmeling - Aliparduar Line - II	286.55	
		-	-	80MVA, 220/132kV ICT - I (HV)	32.66	
		-	-	80MVA, 220/132kV ICT - II (HV)	32.35	
		-	-	132kV MHP - Yurmo Line - II	58.89	
		-	-	132kV MHP - Tintibi Line	68.12	
		-	-	132kV Gelephu - Salakati Line	-19.12	
		Total	788.21	Auxiliary Consumption & Transformation Losses at Generator end	0.41%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	183.17	400kV PHP II - Jigmeling -I	112.52	Unit-V under Shutdown.
		Unit-II	180.41	400kV PHP II - Jigmeling -II	111.62	
		Unit-III	185.47	400kV PHP II - Aliparduar -I	349.82	
		Unit-IV	185.21	400kV PHP II - Aliparduar -II	349.52	
		Unit-V	0.00	-	-	
		Unit-VI	186.45	-	-	
		Total	920.71	Auxiliary Consumption & Transformation Losses at Generator end	-0.30%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.39	220kV CHP - Birpara Line - I	15.51	All Units & Feeders are in Service.
		Unit-II	91.23	220kV CHP - Birpara Line - II	14.94	
		Unit-III	91.24	220kV CHP - Gedu	92.95	
		Unit-IV	91.25	220kV CHP - Jamjee - I	78.19	
		-	-	220kV CHP - Jamjee - II	77.75	
		-	-	220kV CHP - Jamjee - III	74.89	
		-	-	220kV Malbase - Birpara Line	-4.45	
		-	-	66kV CHP - Gedu Line	8.06	
		Total	365.11	Auxiliary Consumption & Transformation Losses at Generator end	0.77%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	11.90	220kV BHP - Semtokha Line	81.09	All Units and Feeders are in Service.
		Unit-II	12.00	66kV BHP - Lobeysa Line	28.54	
		Total	23.90	220kV BHP - Tsirang Line	-45.52	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	20.39	5MVA, 66/11kV TFR	0.61	
		Unit-II	20.75	30MVA ICT, 220/66kV (HV)	5.75	
		Total	41.14	Auxiliary Consumption & Transformation Losses at Generator end	0.49%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	41.49	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	41.03	220kV DHP - Dagapela Line	82.30	
		-	-	220kV BitDeer - Dagapela Line	-37.17	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	82.52	Auxiliary Consumption & Transformation Losses at Generator end	0.02%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.54	132kV KHP - Nangkor Line	59.04	All Units & Feeders are in Service.
		Unit-II	16.51	132kV KHP - Kilikhar Line	6.27	
		Unit-III	16.48	5MVA, 132/11kV TFR	0.47	
		Unit-IV	16.51	132kV Motanga - Rangla Line	63.04	
		Total	66.04	Auxiliary Consumption & Transformation Losses at Generator end	0.39%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.83	132kV NHP-MHP-I	64.42	All Units & Feeders are in Service.
		Unit-II	64.89	132kV NHP-MHP-II	64.45	
		Total	129.72	Auxiliary Consumption & Transformation Losses at Generator end	0.66%	
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 Line 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	16.16	132kV YHP-Kilikhar	30.00	All Units & Feeders are in Service.
		Unit-II	16.05	5MVA, 132/33kV TFR	1.75	
		Total	32.21	Auxiliary Consumption & Transformation Losses at Generator end	1.43%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	27.16	132kV BSHP-Panbang	54.70	All Units and Feeders are in Service.
		Unit-II	27.11	132kV BSHP-Tintibi	-1.09	
		Total	54.27	Auxiliary Consumption & Transformation Losses at Generator end	1.22%	

Note: Generation-Load Summary (MW) for 20-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)	3,626.97	1,594.64	2,032.33

Note: Generation-Load Summary (MW) for 20-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)	3,412.84	1,203.67	2,209.17

Note: Daily Energy (MUS) and Power(MW) Statistics for 20-Sep-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	86.83	36.74	0.00	50.09	2,167.26

- 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.