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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 22-Jul-2026(=ve:import, +ve:export)						
Report	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	July 21, 2026	9:00 AM			10-Jul-26	8:02:13
						1,584.59
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	223.32	All Units & Feeders are in Service.
		Unit-II	187.79	400kV THP - Siliguri Line - II	223.84	
		Unit-III	187.16	400kV THP - Norbugang - IV	261.26	
		Unit-IV	186.44	400kV THP - Malbase Line - III	482.70	
		Unit-V	187.06	400kV Malbase - Siliguri Line	168.15	
		Unit-VI	187.11	400kV Norbugang-Siliguri Line	92.69	
		Total	1,123.01	Auxiliary Consumption & Transformation Losses at Generator end	0.88%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.96	400kV MHP - Jigmeling Line - I	264.27	400kV MHP-JLG Line -III on Standby.
		Unit-II	197.84	400kV MHP - Jigmeling Line - II	263.50	
		Unit-III	192.82	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.43	400kV MHP - Jigmeling Line - IV	257.18	
		-	-	220kV Jigmeling - BitDeer Line - I	175.27	
		-	-	220kV Jigmeling - BitDeer Line - II	157.85	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	374.55	
		-	-	400kV Jigmeling - Alipurduar Line - I	328.00	
		-	-	400kV Jigmeling - Alipurduar Line - II	326.55	
		-	-	80MVA, 220/132kV ICT - I (HV)	21.31	
		-	-	80MVA, 220/132kV ICT - II (HV)	21.08	
		-	-	132kV MHP - Yurmo Line - II	50.74	
		-	-	132kV MHP - Tintibi Line	77.98	
		-	-	132kV Gelephu - Salakati Line	-4.64	
		Total	787.05	Auxiliary Consumption & Transformation Losses at Generator end	0.29%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	179.62	400kV PHP II - Jigmeling -I	128.15	All Units & Feeders are in Service.
		Unit-II	178.28	400kV PHP II - Jigmeling -II	127.55	
		Unit-III	179.16	400kV PHP II - Alipurduar-I	400.81	
		Unit-IV	175.25	400kV PHP II - Alipurduar-II	400.33	
		Unit-V	175.23	-	-	
		Unit-VI	176.40	-	-	
		Total	1,056.04	Auxiliary Consumption & Transformation Losses at Generator end	-0.08%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.45	220kV CHP - Birpara Line - I	22.48	All Units & Feeders are in Service.
		Unit-II	91.17	220kV CHP - Birpara Line - II	22.48	
		Unit-III	86.92	220kV CHP - Gedu	109.81	
		Unit-IV	91.51	220kV CHP - Jamjee - I	66.77	
		-	-	220kV CHP - Jamjee - II	66.13	
		-	-	220kV CHP - Jamjee - III	63.86	
		-	-	220kV Malbase - Birpara Line	-6.16	
		-	-	66kV CHP - Gedu Line	7.81	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	12.05	220kV BHP - Semtokha Line	78.29	All Units & Feeders are in Service.
		Unit-II	12.00	66kV BHP - Lobeysa Line	20.26	
		Total	24.05	220kV BHP - Tsirang Line	-33.77	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	20.41	5MVA, 66/11kV TFR	0.38	All Units & Feeders are in Service.
		Unit-II	20.67	30MVA ICT, 220/66kV (HV)	-3.12	
		Total	41.08	Auxiliary Consumption & Transformation Losses at Generator end	-0.05%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	60.60	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	53.00	220kV DHP - Dagapela Line	112.56	
		-	-	220kV BitDeer - Dagapela Line	-65.10	
		-	-	5MVA, 220/33kV TFR	0.30	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	0.00	132kV KHP - Nangkor Line	0.00	All units are Under Shutdown for Dam Scouring, 132kV KHP-Kilikhar & Nangkor Line under Shutdown.
		Unit-II	0.00	132kV KHP - Kilikhar Line	0.00	
		Unit-III	0.00	5MVA, 132/11kV TFR	0.00	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.90	132kV NHP-MHP-I	64.45	All Units & Feeders are in Service.
		Unit-II	64.90	132kV NHP-MHP-II	64.47	
		Total	129.80	Auxiliary Consumption & Transformation Losses at Generator end	0.68%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	0.00	66kV SHP-Damdhum (Samtse)	0.00	Both units are under Shutdown since 18:30 hrs (15.07.26) due to heavy tunnel leakage (penstock issue).
		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	1.52	33kV SSP-Wangdue	6.70	All Inverters & Feeders are in Service.
		Inverter-2	2.60	33kV SSP-Trongsa	3.50	
		Inverter-3	2.62	-	-	
		Inverter-4	3.20	-	-	
		Inverter-5	0.42	-	-	
		Total	10.36	Auxiliary Consumption & Transformation Losses at Generator end	1.54%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	15.23	Unit-I under Shutdown
		Unit-II	16.05	5MVA, 132/33kV TFR	0.60	
		Total	16.05	Auxiliary Consumption & Transformation Losses at Generator end	1.37%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	0.00	Unit I under Shutdown.
		Unit-II	27.15	132kV BSHP-Tintibi	26.83	
		Total	27.15	Auxiliary Consumption & Transformation Losses at Generator end	1.18%	

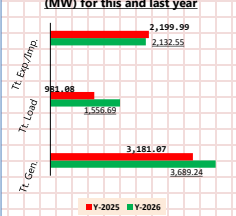
Note: Generation-Load Summary (MW) for 21-Jul-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,689.24	1,556.69	2,132.55

Note: Generation-Load Summary (MW) for 21-Jul-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)	3,181.07	981.08	2,199.99

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 22-Jul-2026(-ve:import, +ve:export)						
Report Details		Time		National Coincidental Peak Load (MW)		
Date		19:00:00		10-Jul-26		
Load		8:02:13		1,584.59		
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	6 x 170 MW THP (Tala)	Unit-I	185.56	400kV THP - Siliguri Line - I	213.18	All Units & Feeders are in Service.
		Unit-II	185.70	400kV THP - Siliguri Line - II	212.04	
		Unit-III	185.22	400kV THP - Norbugang Line - IV	250.26	
		Unit-IV	185.29	400kV THP - Malbase Line - III	437.85	
		Unit-V	186.93	400kV Malbase - Siliguri Line	145.59	
		Unit-VI	185.14	400kV Norbugang-Siliguri Line	86.97	
		Total	1,113.84	Auxiliary Consumption & Transformation Losses at Generator end	0.05%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.67	400kV MHP - Jigmeling Line - I	263.98	400kV MHP-JLG Line -III on Standby.
		Unit-II	197.86	400kV MHP - Jigmeling Line - II	263.46	
		Unit-III	192.51	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.24	400kV MHP - Jigmeling Line - IV	257.04	
		-	-	220kV Jigmeling - BitDeer Line - I	156.36	
		-	-	220kV Jigmeling - BitDeer Line - II	143.49	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	433.82	
		-	-	400kV Jigmeling - Alipurdur Line - I	310.55	
		-	-	400kV Jigmeling - Alipurdur Line - II	308.36	
		-	-	80MVA, 220/132kV ICT - I (HV)	66.55	
		-	-	80MVA, 220/132kV ICT - II (HV)	65.98	
		-	-	132kV MHP - Yumo Line - II	57.16	
		-	-	132kV MHP - Tintibi Line	48.48	
		-	-	132kV Gelephu - Salakati Line	-21.54	
		Total	786.28	Auxiliary Consumption & Transformation Losses at Generator end	0.39%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	175.15	400kV PHP II - Jigmeling -I	140.33	All Units & Feeders are in Service.
		Unit-II	173.75	400kV PHP II - Jigmeling -II	139.42	
		Unit-III	179.18	400kV PHP II - Alipurdur -I	388.50	
		Unit-IV	175.90	400kV PHP II - Alipurdur -II	388.02	
		Unit-V	175.28	-	-	
		Unit-VI	176.40	-	-	
		Total	1,055.66	Auxiliary Consumption & Transformation Losses at Generator end	-0.06%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.27	220kV CHP - Birpara Line - I	16.91	All Units & Feeders are in Service.
		Unit-II	91.35	220kV CHP - Birpara Line - II	16.66	
		Unit-III	87.02	220kV CHP - Gedu	78.88	
		Unit-IV	91.35	220kV CHP - Jamjee - I	81.60	
		-	-	220kV CHP - Jamjee - II	80.68	
		-	-	220kV CHP - Jamjee - III	77.82	
		-	-	220kV Malbase - Birpara Line	10.15	
		-	-	66kV CHP - Gedu Line	7.13	
		Total	360.99	Auxiliary Consumption & Transformation Losses at Generator end	0.36%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	12.08	220kV BHP - Semtokha Line	71.49	All Units and Feeders are in Service.
		Unit-II	11.95	66kV BHP - Lobeyssa Line	26.88	
		Total	24.03	220kV BHP - Tsirang Line	-34.20	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	20.39	5MVA, 66/11kV TFR	0.60	
		Unit-II	20.65	30MVA ICT, 220/66kV (HV)	3.75	
		Total	41.04	Auxiliary Consumption & Transformation Losses at Generator end	0.46%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	60.59	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	53.02	220kV DHP - Dagapela Line	113.00	
		-	-	220kV BitDeer - Dagapela Line	-65.41	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	113.61	Auxiliary Consumption & Transformation Losses at Generator end	0.36%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	0.00	132kV KHP - Nangkhor Line	-0.13	All units are under Shutdown for Dam Scouring. 132kV KHP_Kilikhar line under Shutdown.
		Unit-II	0.00	132kV KHP - Kilikhar Line	0.00	
		Unit-III	0.00	5MVA, 132/11kV TFR	0.12	
		Unit-IV	0.00	132kV Motanga - Rangla Line	-10.11	
		Total	0.00	Auxiliary Consumption & Transformation Losses at Generator end	0.00%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	53.09	132kV NHP-MHP-I	52.78	All Units & Feeders are in Service.
		Unit-II	54.35	132kV NHP-MHP-II	54.10	
		Total	107.44	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	Both units under Shutdown since 18:30 hrs (15.07.26) due to heavy tunnel leakage (penstock issue).
		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	0.00	132kV YHP-Kilikhar	14.25	Unit-I under Shutdown.
		Unit-II	16.04	5MVA, 132/33kV TFR	1.54	
		Total	16.04	Auxiliary Consumption & Transformation Losses at Generator end	1.56%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	61.95	Unit-I under Shutdown.
		Unit-II	7.48	132kV BSHP-Tintibi	-54.61	
		Total	7.48	Auxiliary Consumption & Transformation Losses at Generator end	1.87%	

Note: Generation-Load Summary (MW) for 21-Jul-2026 at 18:00 hrs

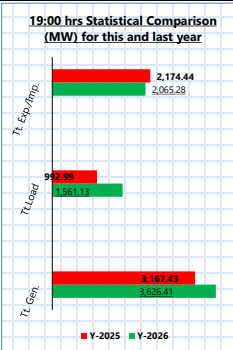
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,626.41	1,561.13	2,065.28

Note: Generation-Load Summary (MW) for 21-Jul-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)	3,167.43	992.99	2,174.44

Note: Daily Energy (MUS) and Power(MW) Statistics for 21-Jul-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	88.08	36.63	0.00	51.45	2,229.57



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.