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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 10-Jul-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	July 9, 2026	9:00 AM			19-Jun-26	19:30:35
						1,513.55
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	6 x 170 MW THP (Tala)	Unit-I	187.50	400kV THP - Siliguri Line - I	222.25	All Units & Feeders are in Service.
		Unit-II	187.68	400kV THP - Siliguri Line - II	220.54	
		Unit-III	187.29	400kV THP - Norbugang - IV	257.56	
		Unit-IV	187.24	400kV THP - Malbase Line - III	414.00	
		Unit-V	186.76	400kV Malbase - Siliguri Line	160.73	
		Unit-VI	187.11	400kV Norbugang-Siliguri Line	69.39	
		Total	1,123.58	Auxiliary Consumption & Transformation Losses at Generator end	0.82%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.87	400kV MHP - Jigmeling Line - I	255.30	400kV MHP-JLG line- I & II under Shutdown.
		Unit-II	197.87	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	191.51	400kV MHP - Jigmeling Line - III	264.21	
		Unit-IV	197.96	400kV MHP - Jigmeling Line - IV	264.49	
		-	-	220kV Jigmeling - BitDeer Line - I	175.45	
		-	-	220kV Jigmeling - BitDeer Line - II	158.91	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	402.91	
		-	-	400kV Jigmeling - Alipurduar Line - I	319.27	
		-	-	400kV Jigmeling - Alipurduar Line - II	318.55	
		-	-	80MVA, 220/132kV ICT - I (HV)	34.96	
		-	-	80MVA, 220/132kV ICT - II (HV)	34.60	
		-	-	132kV MHP - Yurmo Line - II	45.50	
		-	-	132kV MHP - Tintibi Line	79.63	
		-	-	132kV Gelephu - Salakati Line	-10.21	
		Total	785.21	Auxiliary Consumption & Transformation Losses at Generator end	0.62%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	170.00	400kV PHP II - Jigmeling - I	134.03	All Units & Feeders are in Service.
		Unit-II	168.98	400kV PHP II - Jigmeling - II	133.47	
		Unit-III	180.02	400kV PHP II - Alipurduar - I	393.95	
		Unit-IV	174.77	400kV PHP II - Alipurduar - II	393.47	
		Unit-V	176.26	-	-	
		Unit-VI	174.78	-	-	
		Total	1,044.81	Auxiliary Consumption & Transformation Losses at Generator end	-0.97%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.47	220kV CHP - Birpara Line - I	18.59	All Units & Feeders are in Service.
		Unit-II	91.31	220kV CHP - Birpara Line - II	18.24	
		Unit-III	89.82	220kV CHP - Gedu	98.62	
		Unit-IV	91.46	220kV CHP - Jamjee - I	73.56	
		-	-	220kV CHP - Jamjee - II	73.10	
		-	-	220kV CHP - Jamjee - III	70.47	
		-	-	220kV Malbase - Birpara Line	-2.93	
		-	-	66kV CHP - Gedu Line	10.45	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	8.93	220kV BHP - Semtokha Line	77.90	66kV BHP-Lobeysa Line Under Shutdown
		Unit-II	7.27	66kV BHP - Lobeysa Line	0.00	
		Total	16.20	220kV BHP - Tsirang Line	-26.80	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	17.70	5MVA, 66/11kV TFR	0.38	220kV DHP-Tsirang on Standby
		Unit-II	17.66	30MVA ICT, 220/66kV (HV)	-17.30	
		Total	35.36	Auxiliary Consumption & Transformation Losses at Generator end	0.16%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	34.47	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang on Standby
		Unit-II	31.03	220kV DHP - Dagapela Line	64.90	
		-	-	220kV BitDeer - Dagapela Line	-16.24	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	65.50	Auxiliary Consumption & Transformation Losses at Generator end	0.61%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.40	132kV KHP - Nangkhor Line	46.40	All Units and Feeders are in Service.
		Unit-II	16.52	132kV KHP - Kilikhar Line	18.93	
		Unit-III	16.54	5MVA, 132/11kV TFR	0.33	
		Unit-IV	16.52	132kV Motanga - Rangja Line	43.07	
		Total	65.98	Auxiliary Consumption & Transformation Losses at Generator end	0.48%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.86	132kV NHP-MHP-I	64.36	All Units & Feeders are in Service.
		Unit-II	64.94	132kV NHP-MHP-II	64.43	
		Total	129.80	Auxiliary Consumption & Transformation Losses at Generator end	0.78%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.02	66kV SHP-Damdhum (Samtse)	0.00	Power Evacuation is through 33kV feeder.
		Unit-II	5.06	-	-	
		Total	10.08	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	22.38 MWp SSP (Sephu Solar Plant)	Inverter-1	1.96	33kV SSP-Wangdue	5.32	All inverters and Feeder in service
		Inverter-2	1.61	33kV SSP-Trongsa	5.45	
		Inverter-3	1.73	-	-	
		Inverter-4	3.56	-	-	
		Inverter-5	1.93	-	-	
		Total	10.78	Auxiliary Consumption & Transformation Losses at Generator end	0.13%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	15.04	Unit-I under Shutdown.
		Unit-II	16.05	5MVA, 132/33kV TFR	0.74	
		Total	16.05	Auxiliary Consumption & Transformation Losses at Generator end	1.68%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	34.98	Unit I under Shutdown.
		Unit-II	27.16	132kV BSHP-Tintibi	-8.05	
		Total	27.16	Auxiliary Consumption & Transformation Losses at Generator end	0.85%	

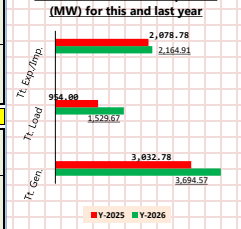
Note: Generation-Load Summary (MW) for 09-Jul-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,694.57	1,529.67	2,164.91

Note: Generation-Load Summary (MW) for 09-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)	3,032.78	954.00	2,078.78

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 10-Jul-2026(+ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	July 9, 2026	19:00:00			19-Jun-26	19:30:35
						1,513.55
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	209.66	All Feeders & Units are in Service.
		Unit-II	187.67	400kV THP - Siliguri Line - II	208.24	
		Unit-III	173.10	400kV THP - Norbugang Line - IV	246.91	
		Unit-IV	186.99	400kV THP - Malbase Line - III	434.94	
		Unit-V	186.84	400kV Malbase - Siliguri Line	143.12	
		Unit-VI	187.11	400kV Norbugang-Siliguri Line	84.94	
		Total	1,109.26	Auxiliary Consumption & Transformation Losses at Generator end	0.86%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	172.41	400kV MHP - Jigmeling Line - I	234.08	400kV MHP-JLG line- II under Shutdown.
		Unit-II	160.55	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	189.46	400kV MHP - Jigmeling Line - III	242.12	
		Unit-IV	197.30	400kV MHP - Jigmeling Line - IV	242.34	
		-	-	220kV Jigmeling - BitDeer Line - I	174.81	
		-	-	220kV Jigmeling - BitDeer Line - II	159.14	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	427.27	
		-	-	400kV Jigmeling - Alipurdwar Line - I	288.73	
		-	-	400kV Jigmeling - Alipurdwar Line - II	288.00	
		-	-	80MVA, 220/132kV ICT - I (HV)	47.59	
		-	-	80MVA, 220/132kV ICT - II (HV)	47.17	
		-	-	132kV MHP - Yumo Line - II	57.73	
		-	-	132kV MHP - Tintibi Line	69.75	
		-	-	132kV Gelephu - Salakati Line	-7.76	
		Total	719.72	Auxiliary Consumption & Transformation Losses at Generator end	0.35%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	172.82	400kV PHP II - Jigmeling -I	148.46	All Units & Feeders are in Service.
		Unit-II	166.77	400kV PHP II - Jigmeling -II	147.64	
		Unit-III	174.60	400kV PHP II - Alipurdwar -I	369.35	
		Unit-IV	171.85	400kV PHP II - Alipurdwar -II	368.78	
		Unit-V	175.73	-	-	
		Unit-VI	171.51	-	-	
		Total	1,033.28	Auxiliary Consumption & Transformation Losses at Generator end	-0.09%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.39	220kV CHP - Birpara Line - I	14.22	All Units & Feeder are in Service.
		Unit-II	90.93	220kV CHP - Birpara Line - II	13.62	
		Unit-III	89.22	220kV CHP - Gedu	64.41	
		Unit-IV	91.55	220kV CHP - Jamjee - I	88.15	
		-	-	220kV CHP - Jamjee - II	87.24	
		-	-	220kV CHP - Jamjee - III	84.34	
		-	-	220kV Malbase - Birpara Line	16.30	
		-	-	66kV CHP - Gedu Line	8.98	
		Total	363.09	Auxiliary Consumption & Transformation Losses at Generator end	0.59%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	8.97	220kV BHP - Sertokha Line	75.30	All Units and Feeders are in Service.
		Unit-II	7.65	66kV BHP - Lobeysa Line	0.00	
		Total	16.62	220kV BHP - Tsirang Line	-26.79	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	16.26	5MVA, 66/11kV TFR	0.77	
		Unit-II	16.20	30MVA ICT, 220/66kV (HV)	-17.38	
		Total	32.46	Auxiliary Consumption & Transformation Losses at Generator end	-0.41%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	27.41	220kV DHP - Tsirang Line	0.00	DHPC - TSI line opened to evacuate the DHP gen to DAG only.
		Unit-II	28.05	220kV DHP - Dagapela Line	55.60	
		-	-	220kV BitDeer - Dagapela Line	-3.44	
		-	-	5MVA, 220/33kV TFR	0.25	
		Total	55.46	Auxiliary Consumption & Transformation Losses at Generator end	-0.70%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.54	132kV KHP - Nangkor Line	43.67	All Units & Feeders are in Service.
		Unit-II	16.51	132kV KHP - Kilikhar Line	21.49	
		Unit-III	16.61	5MVA, 132/11kV TFR	0.40	
		Unit-IV	16.46	132kV Motanga - Rangla Line	41.25	
		Total	66.12	Auxiliary Consumption & Transformation Losses at Generator end	0.85%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.94	132kV NHP-MHP-I	64.42	All Units & Feeders are in Service.
		Unit-II	64.85	132kV NHP-MHP-II	64.40	
		Total	129.79	Auxiliary Consumption & Transformation Losses at Generator end	0.75%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.06	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.
		Unit-II	5.02	-	-	
		Total	10.08	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	14.34	Unit-I under Shutdown.
		Unit-II	16.03	5MVA, 132/33kV TFR	1.46	
		Total	16.03	Auxiliary Consumption & Transformation Losses at Generator end	1.43%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	49.60	Unit-I under shutdown.
		Unit-II	27.31	132kV BSHP-Tintibi	-22.60	
		Total	27.31	Auxiliary Consumption & Transformation Losses at Generator end	1.14%	

Note: Generation-Load Summary (MW) for 09-Jul-2026 at 18:00 hrs

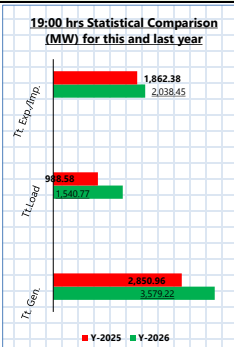
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,579.22	1,540.77	2,038.45

Note: Generation-Load Summary (MW) for 09-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)	2,850.96	988.58	1,862.38

Note: Daily Energy (MUS) and Power(MW) Statistics for 09-Jul-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	84.46	36.00	0.00	48.62	2,175.12



1. 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.