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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 08-Jul-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	July 7, 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	114.17	400kV THP - Siliguri Line - I	170.74	All Units & Feeders are in Service.
		Unit-II	172.78	400kV THP - Siliguri Line - II	169.14	
		Unit-III	176.06	400kV THP - Norbugang - IV	223.28	
		Unit-IV	153.84	400kV THP - Malbase Line - III	377.57	
		Unit-V	166.97	400kV Malbase - Siliguri Line	111.88	
		Unit-VI	160.16	400kV Norbugang-Siliguri Line	57.38	
		Total	948.98	Auxiliary Consumption & Transformation Losses at Generator end	0.87%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	86.10	400kV MHP - Jigmeling Line - I	215.14	400kV MHP-JLG line- II under Shutdown.
		Unit-II	186.80	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	190.81	400kV MHP - Jigmeling Line - III	222.63	
		Unit-IV	196.87	400kV MHP - Jigmeling Line - IV	222.83	
		-	-	220kV Jigmeling - BitDeer Line - I	176.39	
		-	-	220kV Jigmeling - BitDeer Line - II	160.36	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	422.91	
		-	-	400kV Jigmeling - Alipurdhar Line - I	244.36	
		-	-	400kV Jigmeling - Alipurdhar Line - II	243.64	
		-	-	80MVA, 220/132kV ICT - I (HV)	43.50	
		-	-	80MVA, 220/132kV ICT - II (HV)	43.10	
		-	-	132kV MHP - Yurmo Line - II	54.23	
		-	-	132kV MHP - Tintibi Line	33.95	
		-	-	132kV Gelephu - Salakati Line	-23.34	
		Total	660.58	Auxiliary Consumption & Transformation Losses at Generator end	0.19%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	152.00	400kV PHP II - Jigmeling - I	130.47	All Units & Feeders are in Service.
		Unit-II	150.46	400kV PHP II - Jigmeling - II	129.83	
		Unit-III	149.14	400kV PHP II - Alipurdhar - I	315.46	
		Unit-IV	149.91	400kV PHP II - Alipurdhar - II	315.09	
		Unit-V	149.52	-	-	
		Unit-VI	137.03	-	-	
		Total	888.06	Auxiliary Consumption & Transformation Losses at Generator end	-0.31%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.36	220kV CHP - Birpara Line - I	13.44	All Units & Feeders are in Service. .
		Unit-II	91.19	220kV CHP - Birpara Line - II	13.15	
		Unit-III	90.15	220kV CHP - Gedu	85.68	
		Unit-IV	91.40	220kV CHP - Jamjee - I	81.79	
		-	-	220kV CHP - Jamjee - II	79.80	
		-	-	220kV CHP - Jamjee - III	78.15	
		-	-	220kV Malbase - Birpara Line	-1.58	
		-	-	66kV CHP - Gedu Line	9.71	
		Total	364.10	Auxiliary Consumption & Transformation Losses at Generator end	0.65%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	7.03	220kV BHP - Semtokha Line	47.20	All Units & Feeders are in Service.
		Unit-II	6.37	66kV BHP - Lobeysa Line	18.90	
		Total	13.40	220kV BHP - Tsirang Line	-26.19	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	14.85	5MVA, 66/11kV TFR	0.31	All Units & Feeders are in Service.
		Unit-II	12.01	30MVA ICT, 220/66kV (HV)	6.13	
		Total	26.86	Auxiliary Consumption & Transformation Losses at Generator end	0.10%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	50.61	220kV DHP - Tsirang Line	5.10	Unit-II on Standby.
		Unit-II	0.00	220kV DHP - Dagapela Line	45.10	
		-	-	220kV BitDeer - Dagapela Line	7.20	
		-	-	5MVA, 220/33kV TFR	0.30	
		Total	50.61	Auxiliary Consumption & Transformation Losses at Generator end	0.22%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.45	132kV KHP - Nangkhor Line	47.96	All Units and Feeders are in Service.
		Unit-II	16.58	132kV KHP - Kilikhar Line	17.19	
		Unit-III	16.52	5MVA, 132/11kV TFR	0.33	
		Unit-IV	16.55	132kV Motanga - Rangja Line	32.16	
		Total	66.10	Auxiliary Consumption & Transformation Losses at Generator end	0.94%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	50.06	132kV NHP-MHP-I	49.63	All Units & Feeders are in Service.
		Unit-II	40.02	132kV NHP-MHP-II	39.85	
		Total	90.08	Auxiliary Consumption & Transformation Losses at Generator end	0.67%	
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	0.77	33kV SSP-Wangdue	3.39	All inverters and Feeder in service
		Inverter-2	1.36	33kV SSP-Trongsa	3.06	
		Inverter-3	1.27	-	-	
		Inverter-4	1.71	-	-	
		Inverter-5	1.34	-	-	
		Total	6.45	Auxiliary Consumption & Transformation Losses at Generator end	0.02%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	15.04	Unit-I under Shutdown.
		Unit-II	15.90	5MVA, 132/33kV TFR	0.74	
		Total	15.90	Auxiliary Consumption & Transformation Losses at Generator end	0.75%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	36.93	Unit I under Shutdown.
		Unit-II	27.25	132kV BSHP-Tintibi	-9.81	
		Total	27.25	Auxiliary Consumption & Transformation Losses at Generator end	0.48%	

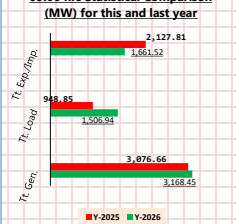
Note: Generation-Load Summary (MW) for 07-Jul-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,168.45	1,506.94	1,661.52

Note: Generation-Load Summary (MW) for 07-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)	3,076.66	948.85	2,127.81

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 08-Jul-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	July 7, 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	177.05	400kV THP - Siliguri Line - I	140.78	All Feeders & Units are in Service.
		Unit-II	142.90	400kV THP - Siliguri Line - II	139.76	
		Unit-III	176.11	400kV THP - Norbugang Line - IV	170.98	
		Unit-IV	69.40	400kV THP - Malbase Line - III	383.69	
		Unit-V	137.13	400kV Malbase - Siliguri Line	76.04	
		Unit-VI	140.20	400kV Norbugang-Siliguri Line	54.41	
		Total	842.79	Auxiliary Consumption & Transformation Losses at Generator end	0.90%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	191.94	400kV MHP - Jigmeling Line - I	126.05	Unit-III under shutdown & Unit-IV tripped at 18:56hrs. 400kV MHP-JLG line- II under Shutdown.
		Unit-II	194.31	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	0.00	400kV MHP - Jigmeling Line - III	130.51	
		Unit-IV	0.00	400kV MHP - Jigmeling Line - IV	130.49	
		-	-	220kV Jigmeling - BitDeer Line - I	158.93	
		-	-	220kV Jigmeling - BitDeer Line - II	145.10	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	407.64	
		-	-	400kV Jigmeling - Aliparduar Line - I	140.36	
		-	-	400kV Jigmeling - Aliparduar Line - II	140.36	
		-	-	80MVA, 220/132kV ICT - I (HV)	52.40	
		-	-	80MVA, 220/132kV ICT - II (HV)	51.90	
		-	-	132kV MHP - Yumo Line - II	58.15	
		-	-	132kV MHP - Tintibi Line	33.95	
		-	-	132kV Gelephu - Salakati Line	-21.49	
		Total	386.25	Auxiliary Consumption & Transformation Losses at Generator end	-0.94%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	150.00	400kV PHP II - Jigmeling -I	156.29	All Feeders & Units are in Service.
		Unit-II	126.78	400kV PHP II - Jigmeling -II	155.04	
		Unit-III	123.72	400kV PHP II - Aliparduar -I	222.16	
		Unit-IV	126.07	400kV PHP II - Aliparduar -II	222.24	
		Unit-V	124.62	-	-	
		Unit-VI	126.06	-	-	
		Total	777.25	Auxiliary Consumption & Transformation Losses at Generator end	2.77%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.28	220kV CHP - Birpara Line - I	8.57	All Units & Feeder are in Service.
		Unit-II	91.19	220kV CHP - Birpara Line - II	8.47	
		Unit-III	90.01	220kV CHP - Gedu	56.70	
		Unit-IV	91.36	220kV CHP - Jamjee - I	95.20	
		-	-	220kV CHP - Jamjee - II	94.28	
		-	-	220kV CHP - Jamjee - III	90.98	
		-	-	220kV Malbase - Birpara Line	12.39	
		-	-	66kV CHP - Gedu Line	7.95	
		Total	363.84	Auxiliary Consumption & Transformation Losses at Generator end	0.46%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	8.71	220kV BHP - Semtokha Line	28.07	All Units and Feeders are in Service.
		Unit-II	7.80	66kV BHP - Lobeysa Line	22.84	
		Total	16.51	220kV BHP - Tsirang Line	-5.49	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	15.19	5MVA, 66/11kV TFR	0.61	
		Unit-II	14.60	30MVA ICT, 220/66kV (HV)	7.15	
		Total	29.79	Auxiliary Consumption & Transformation Losses at Generator end	0.58%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	49.57	220kV DHP - Tsirang Line	19.10	Unit II on Standby.
		Unit-II	0.00	220kV DHP - Dagapela Line	29.91	
		-	-	220kV BitDeer - Dagapela Line	3.64	
		-	-	5MVA, 220/33kV TFR	0.30	
		Total	49.57	Auxiliary Consumption & Transformation Losses at Generator end	0.52%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.46	132kV KHP - Nangkor Line	45.09	All Units & Feeders are in Service.
		Unit-II	16.52	132kV KHP - Kilikhar Line	19.92	
		Unit-III	16.44	5MVA, 132/11kV TFR	0.39	
		Unit-IV	16.66	132kV Motanga - Rangla Line	32.88	
		Total	66.08	Auxiliary Consumption & Transformation Losses at Generator end	1.03%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	50.13	132kV NHP-MHP-I	49.65	All Units & Feeders are in Service.
		Unit-II	40.01	132kV NHP-MHP-II	39.60	
		Total	90.14	Auxiliary Consumption & Transformation Losses at Generator end	0.99%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.00	66kV SHP-Damdum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.
		Unit-II	5.04	-	-	
		Total	10.04	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	14.31	Unit-I under Shutdown.
		Unit-II	16.07	5MVA, 132/33kV TFR	1.51	
		Total	16.07	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	34.33	Unit-I under shutdown.
		Unit-II	27.27	132kV BSHP-Tintibi	-7.40	
		Total	27.27	Auxiliary Consumption & Transformation Losses at Generator end	1.25%	

Note: Generation-Load Summary (MW) for 07-Jul-2026 at 18:00 hrs

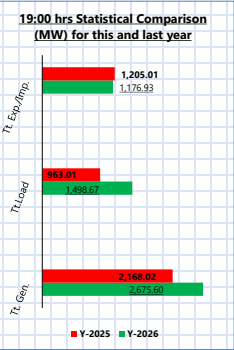
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,675.60	1,498.67	1,176.93

Note: Generation-Load Summary (MW) for 07-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)	2,168.02	963.01	1,205.01

Note: Daily Energy (MUS) and Power(MW) Statistics for 07-Jul-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	70.26	35.07	0.00	35.21	1,679.38



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.