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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 06-Jul-2026(-ve:import, +ve:export)						
Report	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	July 5, 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	187.47	400kV THP - Siliguri Line - I	226.18	All Units & Feeders are in Service.
		Unit-II	187.72	400kV THP - Siliguri Line - II	224.36	
		Unit-III	187.10	400kV THP - Norbugang - IV	249.20	
		Unit-IV	187.06	400kV THP - Malbase Line - III	413.98	
		Unit-V	186.91	400kV Malbase - Siliguri Line	165.64	
		Unit-VI	187.18	400kV Norbugang-Siliguri Line	93.17	
		Total	1,123.44	Auxiliary Consumption & Transformation Losses at Generator end	0.87%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.82	400kV MHP - Jigmeling Line - I	255.95	400kV MHP-JLG line- II under Shutdown.
		Unit-II	197.80	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	192.43	400kV MHP - Jigmeling Line - III	264.84	
		Unit-IV	198.24	400kV MHP - Jigmeling Line - IV	265.10	
		-	-	220kV Jigmeling - BitDeer Line - I	181.06	
		-	-	220kV Jigmeling - BitDeer Line - II	163.87	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	413.82	
		-	-	400kV Jigmeling - Alipurduar Line - I	306.91	
		-	-	400kV Jigmeling - Alipurduar Line - II	306.18	
		-	-	80MVA, 220/132kV ICT - I (HV)	35.15	
		-	-	80MVA, 220/132kV ICT - II (HV)	34.83	
		-	-	132kV MHP - Yurmo Line - II	50.96	
		-	-	132kV MHP - Tintibi Line	76.22	
		-	-	132kV Gelephu - Salakati Line	-11.04	
		Total	786.29	Auxiliary Consumption & Transformation Losses at Generator end	0.27%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	167.75	400kV PHP II - Jigmeling -I	125.81	All Units & Feeders are in Service.
		Unit-II	165.83	400kV PHP II - Jigmeling -II	125.17	
		Unit-III	167.24	400kV PHP II - Alipurduar -I	376.32	
		Unit-IV	168.59	400kV PHP II - Alipurduar -II	376.04	
		Unit-V	166.65	-	-	
		Unit-VI	167.05	-	-	
		Total	1,003.11	Auxiliary Consumption & Transformation Losses at Generator end	-0.02%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.37	220kV CHP - Birpara Line - I	21.40	All Units & Feeders are in Service. .
		Unit-II	91.31	220kV CHP - Birpara Line - II	21.26	
		Unit-III	88.30	220kV CHP - Gedu	86.82	
		Unit-IV	91.43	220kV CHP - Jamjee - I	75.30	
		-	-	220kV CHP - Jamjee - II	75.30	
		-	-	220kV CHP - Jamjee - III	72.15	
		-	-	220kV Malbase - Birpara Line	8.87	
		-	-	66kV CHP - Gedu Line	8.80	
		Total	362.41	Auxiliary Consumption & Transformation Losses at Generator end	0.38%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	8.80	220kV BHP - Semtokha Line	60.17	All Units & Feeders are in Service.
		Unit-II	7.32	66kV BHP - Lobeysa Line	19.80	
		Total	16.12	220kV BHP - Tsirang Line	-26.60	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	17.93	5MVA, 66/11kV TFR	0.28	All Units & Feeders are in Service.
		Unit-II	17.84	30MVA ICT, 220/66kV (HV)	2.57	
		Total	35.77	Auxiliary Consumption & Transformation Losses at Generator end	-3.39%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	49.60	220kV DHP - Tsirang Line	71.09	220kV Biddeer-Dagapela line under Line-Patrolling. Unit-II on Standby.
		Unit-II	21.98	220kV DHP - Dagapela Line	0.00	
		-	-	220kV Biddeer - Dagapela Line	-46.10	
		-	-	5MVA, 220/33kV TFR	0.30	
		Total	71.58	Auxiliary Consumption & Transformation Losses at Generator end	0.27%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.48	132kV KHP - Nangkhor Line	48.23	All Units and Feeders are in Service.
		Unit-II	16.50	132kV KHP - Kilikhar Line	17.30	
		Unit-III	16.55	5MVA, 132/11kV TFR	0.30	
		Unit-IV	16.59	132kV Motanga - Rangja Line	42.66	
		Total	66.12	Auxiliary Consumption & Transformation Losses at Generator end	0.44%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.91	132kV NHP-MHP-I	64.46	All Units & Feeders are in Service.
		Unit-II	64.90	132kV NHP-MHP-II	64.42	
		Total	129.81	Auxiliary Consumption & Transformation Losses at Generator end	0.72%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	0.00	66kV SHP-Damdhum (Samtse)	0.00	Power Evacuation is through 33kV feeder. Both units taken under shutdown due to 33kV line emergenu 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	1.68	33kV SSP-Wangdue	7.34	All inverters and Feeder in service
		Inverter-2	2.88	33kV SSP-Trongsa	6.84	
		Inverter-3	2.79	-	-	
		Inverter-4	3.71	-	-	
		Inverter-5	3.14	-	-	
		Total	14.19	Auxiliary Consumption & Transformation Losses at Generator end	0.10%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	15.04	Unit-I under Shutdown.
		Unit-II	16.02	5MVA, 132/33kV TFR	0.75	
		Total	16.02	Auxiliary Consumption & Transformation Losses at Generator end	1.44%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	34.21	All Units and Feeders are in Service.
		Unit-II	26.91	132kV BSHP-Tintibi	-7.65	
		Total	26.91	Auxiliary Consumption & Transformation Losses at Generator end	1.30%	

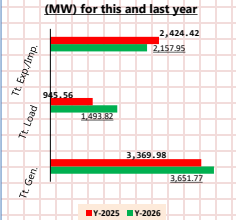
Note: Generation-Load Summary (MW) for 05-Jul-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,651.77	1,493.82	2,157.95

Note: Generation-Load Summary (MW) for 05-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)	3,369.98	945.56	2,424.42

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 06-Jul-2026(+ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	July 5, 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	187.00	400kV THP - Siliguri Line - I	212.17	All Feeders & Units are in Service.
		Unit-II	187.00	400kV THP - Siliguri Line - II	210.40	
		Unit-III	187.00	400kV THP - Norbugang Line - IV	247.82	
		Unit-IV	187.00	400kV THP - Malbase Line - III	443.24	
		Unit-V	187.00	400kV Malbase - Siliguri Line	149.00	
		Unit-VI	187.00	400kV Norbugang-Siliguri Line	86.80	
		Total	1,122.00	Auxiliary Consumption & Transformation Losses at Generator end	0.75%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.76	400kV MHP - Jigmeling Line - I	254.28	400kV MHP-JLG line- II under Shutdown.
		Unit-II	197.08	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	190.07	400kV MHP - Jigmeling Line - III	263.10	
		Unit-IV	196.92	400kV MHP - Jigmeling Line - IV	263.23	
		-	-	220kV Jigmeling - BitDeer Line - I	173.90	
		-	-	220kV Jigmeling - BitDeer Line - II	158.52	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	437.82	
		-	-	400kV Jigmeling - Alipurdur Line - I	253.82	
		-	-	400kV Jigmeling - Alipurdur Line - II	253.82	
		-	-	80MVA, 220/132kV ICT - I (HV)	53.85	
		-	-	80MVA, 220/132kV ICT - II (HV)	53.43	
		-	-	132kV MHP - Yumo Line - II	58.07	
		-	-	132kV MHP - Tintibi Line	39.96	
		-	-	132kV Gelephu - Salakati Line	-11.88	
		Total	781.83	Auxiliary Consumption & Transformation Losses at Generator end	0.32%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	130.00	400kV PHP II - Jigmeling -I	88.00	All Feeders & Units are in Service.
		Unit-II	130.00	400kV PHP II - Jigmeling -II	87.27	
		Unit-III	129.15	400kV PHP II - Alipurdur -I	303.09	
		Unit-IV	130.68	400kV PHP II - Alipurdur -II	303.00	
		Unit-V	130.00	-	-	
		Unit-VI	130.25	-	-	
		Total	780.08	Auxiliary Consumption & Transformation Losses at Generator end	-0.16%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.40	220kV CHP - Birpara Line - I	13.51	All Units & Feeder are in Service.
		Unit-II	91.39	220kV CHP - Birpara Line - II	13.28	
		Unit-III	88.28	220kV CHP - Gedu	59.59	
		Unit-IV	91.39	220kV CHP - Jamjee - I	90.01	
		-	-	220kV CHP - Jamjee - II	89.30	
		-	-	220kV CHP - Jamjee - III	86.23	
		-	-	220kV Malbase - Birpara Line	22.00	
		-	-	66kV CHP - Gedu Line	8.42	
		Total	362.46	Auxiliary Consumption & Transformation Losses at Generator end	0.58%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	7.60	220kV BHP - Sertokha Line	40.01	All Units and Feeders are in Service.
		Unit-II	7.00	66kV BHP - Lobeysa Line	23.24	
		Total	14.60	220kV BHP - Tsirang Line	-17.21	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	16.18	5MVA, 66/11kV TFR	0.58	
		Unit-II	16.19	30MVA ICT, 220/66kV (HV)	7.93	
		Total	32.37	Auxiliary Consumption & Transformation Losses at Generator end	0.75%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	50.91	220kV DHP - Tsirang Line	5.61	Unit II on Standby.
		Unit-II	0.00	220kV DHP - Dagapela Line	45.00	
		-	-	220kV BitDeer - Dagapela Line	6.05	
		-	-	5MVA, 220/33kV TFR	0.22	
		Total	50.91	Auxiliary Consumption & Transformation Losses at Generator end	0.16%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.54	132kV KHP - Nangkhor Line	45.70	All Units & Feeders are in Service.
		Unit-II	16.51	132kV KHP - Kilikhar Line	19.37	
		Unit-III	16.54	5MVA, 132/11kV TFR	0.38	
		Unit-IV	16.51	132kV Motanga - Rangla Line	43.00	
		Total	66.10	Auxiliary Consumption & Transformation Losses at Generator end	0.98%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	39.95	132kV NHP-MHP-I	39.82	All Units & Feeders are in Service.
		Unit-II	60.02	132kV NHP-MHP-II	59.53	
		Total	99.97	Auxiliary Consumption & Transformation Losses at Generator end	0.62%	
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	14.43	Unit-I under Shutdown.
		Unit-II	16.03	5MVA, 132/33kV TFR	1.36	
		Total	16.03	Auxiliary Consumption & Transformation Losses at Generator end	1.50%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	36.63	Unit-I under shutdown.
		Unit-II	27.26	132kV BSHP-Tintibi	-9.46	
		Total	27.26	Auxiliary Consumption & Transformation Losses at Generator end	0.33%	

Note: Generation-Load Summary (MW) for 05-Jul-2026 at 18:00 hrs

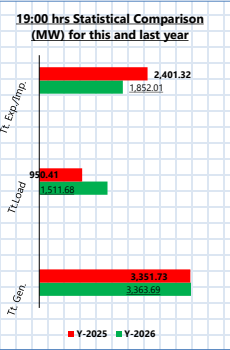
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,363.69	1,511.68	1,852.01

Note: Generation-Load Summary (MW) for 05-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)	3,351.73	950.41	2,401.32

Note: Daily Energy (MUS) and Power(MW) Statistics for 05-Jul-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	83.28	35.29	0.00	47.99	2,235.22



- 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.