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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 02-Jul-2026 (-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	July 1, 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	187.44	400kV THP - Siliguri Line - I	222.68	All Units & Feeders are in Service.
		Unit-II	187.71	400kV THP - Siliguri Line - II	226.31	
		Unit-III	187.07	400kV THP - Norbugang - IV	235.23	
		Unit-IV	186.80	400kV THP - Malbase Line - III	435.68	
		Unit-V	186.89	400kV Malbase - Siliguri Line	157.43	
		Unit-VI	187.13	400kV Norbugang-Siliguri Line	103.71	
		Total	1,123.04	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	256.00	400kV MHP-JLG line- II under Shutdown.
		Unit-II	197.97	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	193.02	400kV MHP - Jigmeling Line - III	264.85	
		Unit-IV	198.55	400kV MHP - Jigmeling Line - IV	265.10	
		-	-	220kV Jigmeling - BitDeer Line - I	157.14	
		-	-	220kV Jigmeling - BitDeer Line - II	144.35	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	438.18	
		-	-	400kV Jigmeling - Alipurdhar Line - I	282.91	
		-	-	400kV Jigmeling - Alipurdhar Line - II	282.18	
		-	-	80MVA, 220/132kV ICT - I (HV)	68.73	
		-	-	80MVA, 220/132kV ICT - II (HV)	68.17	
		-	-	132kV MHP - Yurmo Line - II	51.43	
		-	-	132kV MHP - Tintibi Line	-53.19	
		-	-	132kV Gelephu - Salakati Line	-31.02	
		Total	787.36	Auxiliary Consumption & Transformation Losses at Generator end	0.40%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	187.00	400kV PHP-II - Jigmeling-I	109.23	Unit-II under Shutdown.
		Unit-II	0.00	400kV PHP-II - Jigmeling-II	107.79	
		Unit-III	182.81	400kV PHP-II - Alipurdhar-I	352.08	
		Unit-IV	183.60	400kV PHP-II - Alipurdhar-II	351.54	
		Unit-V	183.01		-	
		Unit-VI	182.33		-	
		Total	918.75	Auxiliary Consumption & Transformation Losses at Generator end	-0.21%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.44	220kV CHP - Birpara Line - I	0.00	220kV CHP Birpara Line I under Shutdown
		Unit-II	91.22	220kV CHP - Birpara Line - II	21.33	
		Unit-III	87.67	220kV CHP - Gedu	90.84	
		Unit-IV	91.62	220kV CHP - Jamjee - I	80.97	
		-	-	220kV CHP - Jamjee - II	79.10	
		-	-	220kV CHP - Jamjee - III	77.39	
		-	-	220kV Malbase - Birpara Line	7.31	
		-	-	66kV CHP - Gedu Line	9.19	
		Total	361.95	Auxiliary Consumption & Transformation Losses at Generator end	0.86%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	12.08	220kV BHP - Semtokha Line	48.90	All Units and Feeders are in Service.
		Unit-II	10.10	66kV BHP - Lobeysa Line	22.55	
		Total	22.18	220kV BHP - Tsirang Line	-8.66	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	20.48	5MVA, 66/11kV TFR	0.30	All Units and Feeders are in Service.
		Unit-II	20.50	30MVA ICT, 220/66kV (HV)	-0.81	
		Total	40.98	Auxiliary Consumption & Transformation Losses at Generator end	0.11%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	40.46	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	40.00	220kV DHP - Dagapela Line	80.20	
		-	-	220kV BitDeer - Dagapela Line	-33.21	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	80.46	Auxiliary Consumption & Transformation Losses at Generator end	0.07%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.51	132kV KHP - Nangkhor Line	51.58	All Units and Feeders are in Service.
		Unit-II	16.63	132kV KHP - Kilikhar Line	13.70	
		Unit-III	16.38	5MVA, 132/11kV TFR	0.30	
		Unit-IV	16.65	132kV Motanga - Rangia Line	24.24	
		Total	66.17	Auxiliary Consumption & Transformation Losses at Generator end	0.89%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	0.00	132kV NHP-MHP-I	0.00	NHP both Units tripped at 08:21hr
		Unit-II	0.00	132kV NHP-MHP-II	0.00	
		Total	0.00	Auxiliary Consumption & Transformation Losses at Generator end	0.00%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.06	66kV SHP-Damdhum (Samtse)	0.00	All inverters and Feeder in service
		Unit-II	5.03		-	
		Total	10.09	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	22.38 MWp SSP (Sephu Solar Plant)	Inverter-1	1.41	33kV SSP-Wangdue	6.15	All inverters and Feeder in service
		Inverter-2	2.36	33kV SSP-Trongsa	5.90	
		Inverter-3	2.42		-	
		Inverter-4	3.06		-	
		Inverter-5	2.84		-	
		Total	12.08	Auxiliary Consumption & Transformation Losses at Generator end	0.26%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	14.94	Unit-I under Shutdown.
		Unit-II	16.02	5MVA, 132/33kV TFR	0.85	
		Total	16.02	Auxiliary Consumption & Transformation Losses at Generator end	1.44%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	15.05	132kV BSHP-Panbang	10.40	All Units and Feeders are in Service.
		Unit-II	27.30	132kV BSHP-Tintibi	31.44	
		Total	42.35	Auxiliary Consumption & Transformation Losses at Generator end	1.20%	

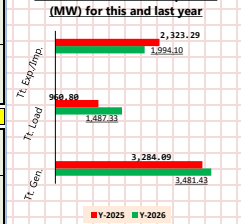
Note: Generation-Load Summary (MW) for 01-Jul-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,481.43	1,487.33	1,994.10

Note: Generation-Load Summary (MW) for 01-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)	3,284.09	960.80	2,323.29

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 02-Jul-2026(+ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	July 1, 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	187.51	400kV THP - Siliguri Line - I	212.25	All Feeders & Units are in Service.
		Unit-II	187.67	400kV THP - Siliguri Line - II	211.06	
		Unit-III	187.09	400kV THP - Norbugang Line - IV	239.36	
		Unit-IV	187.22	400kV THP - Malbase Line - III	450.73	
		Unit-V	186.87	400kV Malbase - Siliguri Line	143.03	
		Unit-VI	187.14	400kV Norbugang-Siliguri Line	92.21	
		Total	1,123.50	Auxiliary Consumption & Transformation Losses at Generator end	0.90%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.83	400kV MHP - Jigmeling Line - I	255.52	400kV MHP-JLG line- II under Shutdown.
		Unit-II	197.85	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	192.45	400kV MHP - Jigmeling Line - III	264.45	
		Unit-IV	198.18	400kV MHP - Jigmeling Line - IV	264.87	
		-	-	220kV Jigmeling - BitDeer Line - I	176.81	
		-	-	220kV Jigmeling - BitDeer Line - II	160.68	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	424.00	
		-	-	400kV Jigmeling - Alipurdwar Line - I	286.55	
		-	-	400kV Jigmeling - Alipurdwar Line - II	285.82	
		-	-	80MVA, 220/132kV ICT - I (HV)	43.72	
		-	-	80MVA, 220/132kV ICT - II (HV)	43.35	
		-	-	132kV MHP - Yumo Line - II	58.49	
		-	-	132kV MHP - Tintibi Line	68.49	
		-	-	132kV Gelephu - Salakati Line	7.74	
		Total	786.31	Auxiliary Consumption & Transformation Losses at Generator end	0.43%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	153.52	400kV PHP II - Jigmeling -I	111.52	All Units and Feeders are in Service.
		Unit-II	153.12	400kV PHP II - Jigmeling -II	110.61	
		Unit-III	152.15	400kV PHP II - Alipurdwar -I	348.78	
		Unit-IV	152.68	400kV PHP II - Alipurdwar -II	348.13	
		Unit-V	156.76	-	-	
		Unit-VI	151.00	-	-	
		Total	919.23	Auxiliary Consumption & Transformation Losses at Generator end	0.02%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.50	220kV CHP - Birpara Line - I	0.00	220 kV CHP_Birpara-I under shutdown.
		Unit-II	91.22	220kV CHP - Birpara Line - II	23.80	
		Unit-III	87.04	220kV CHP - Gedu	66.30	
		Unit-IV	91.62	220kV CHP - Jamjee - I	88.66	
		-	-	220kV CHP - Jamjee - II	87.89	
		-	-	220kV CHP - Jamjee - III	84.74	
		-	-	220kV Malbase - Birpara Line	29.39	
		-	-	66kV CHP - Gedu Line	8.34	
		Total	361.38	Auxiliary Consumption & Transformation Losses at Generator end	0.46%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	12.08	220kV BHP - Sertokha Line	52.78	All Units and Feeders are in Service.
		Unit-II	9.77	66kV BHP - Lobeyssa Line	26.79	
		Total	21.85	220kV BHP - Tsirang Line	-15.43	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	20.47	5MVA, 66/11kV TFR	0.63	
		Unit-II	20.56	30MVA ICT, 220/66kV (HV)	3.80	
		Total	41.03	Auxiliary Consumption & Transformation Losses at Generator end	-3.01%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	33.41	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	31.97	220kV DHP - Dagapela Line	65.00	
		-	-	220kV BitDeer - Dagapela Line	-17.67	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	65.38	Auxiliary Consumption & Transformation Losses at Generator end	0.28%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.52	132kV KHP - Nangkhor Line	42.91	All Units & Feeders are in Service.
		Unit-II	16.52	132kV KHP - Kilikhar Line	22.25	
		Unit-III	16.57	5MVA, 132/11kV TFR	0.35	
		Unit-IV	16.53	132kV Motanga - Rangla Line	63.43	
		Total	66.14	Auxiliary Consumption & Transformation Losses at Generator end	0.95%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.89	132kV NHP-MHP-I	64.41	All Units & Feeders are in Service.
		Unit-II	64.97	132kV NHP-MHP-II	64.51	
		Total	129.86	Auxiliary Consumption & Transformation Losses at Generator end	0.72%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.00	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.
		Unit-II	5.02	-	-	
		Total	10.02	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	14.29	Unit-I under Shutdown.
		Unit-II	16.01	5MVA, 132/33kV TFR	1.49	
		Total	16.01	Auxiliary Consumption & Transformation Losses at Generator end	1.44%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	25.06	132kV BSHP-Panbang	48.70	All Units and Feeders are in Service.
		Unit-II	26.99	132kV BSHP-Tintibi	2.84	
		Total	52.05	Auxiliary Consumption & Transformation Losses at Generator end	0.98%	

Note: Generation-Load Summary (MW) for 01-Jul-2026 at 18:00 hrs

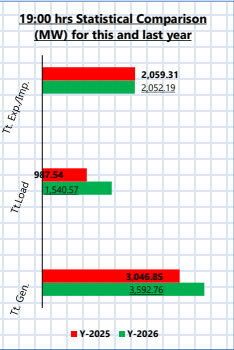
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,592.76	1,540.57	2,052.19

Note: Generation-Load Summary (MW) for 01-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)	3,046.85	987.54	2,059.31

Note: Daily Energy (MUS) and Power(MW) Statistics for 01-Jul-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	84.41	35.35	0.00	49.06	2,223.07



- 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.