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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 05-Jul-2026(-ve:import, +ve:export)						
Report	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	July 4, 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	187.51	400kV THP - Siliguri Line - I	225.07	All Units & Feeders are in Service.
		Unit-II	187.75	400kV THP - Siliguri Line - II	223.21	
		Unit-III	187.10	400kV THP - Norbugang - IV	249.15	
		Unit-IV	186.90	400kV THP - Malbase Line - III	416.37	
		Unit-V	186.92	400kV Malbase - Siliguri Line	164.63	
		Unit-VI	187.14	400kV Norbugang-Siliguri Line	92.93	
		Total	1,123.32	Auxiliary Consumption & Transformation Losses at Generator end	0.85%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.78	400kV MHP - Jigmeling Line - I	255.67	400kV MHP-JLG line- II under Shutdown. .
		Unit-II	197.83	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	192.24	400kV MHP - Jigmeling Line - III	264.36	
		Unit-IV	198.11	400kV MHP - Jigmeling Line - IV	264.77	
		-	-	220kV Jigmeling - BitDeer Line - I	189.47	
		-	-	220kV Jigmeling - BitDeer Line - II	171.06	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	422.18	
		-	-	400kV Jigmeling - Alipurdhar Line - I	307.64	
		-	-	400kV Jigmeling - Alipurdhar Line - II	306.91	
		-	-	80MVA, 220/132kV ICT - I (HV)	31.49	
		-	-	80MVA, 220/132kV ICT - II (HV)	31.09	
		-	-	132kV MHP - Yurmo Line - II	49.50	
		-	-	132kV MHP - Tintibi Line	73.33	
		-	-	132kV Gelephu - Salakati Line	-7.81	
		Total	785.96	Auxiliary Consumption & Transformation Losses at Generator end	0.92%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	171.00	400kV PHP II - Jigmeling -I	131.44	All Units & Feeders are in Service.
		Unit-II	169.85	400kV PHP II - Jigmeling -II	130.85	
		Unit-III	170.92	400kV PHP II - Alipurdhar -I	381.07	
		Unit-IV	170.16	400kV PHP II - Alipurdhar -II	380.63	
		Unit-V	170.42	-	-	
		Unit-VI	170.01	-	-	
		Total	1,022.36	Auxiliary Consumption & Transformation Losses at Generator end	-0.16%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.36	220kV CHP - Birpara Line - I	24.82	
		Unit-II	91.16	220kV CHP - Birpara Line - II	24.45	
		Unit-III	88.04	220kV CHP - Gedu	82.97	
		Unit-IV	91.42	220kV CHP - Jamjee - I	74.77	
		-	-	220kV CHP - Jamjee - II	73.80	
		-	-	220kV CHP - Jamjee - III	71.62	
		-	-	220kV Malbase - Birpara Line	19.19	
		-	-	66kV CHP - Gedu Line	7.56	
		Total	361.98	Auxiliary Consumption & Transformation Losses at Generator end	0.55%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	8.37	220kV BHP - Semtokha Line	53.32	All Units & Feeders are in Service.
		Unit-II	8.80	66kV BHP - Lobeysa Line	19.56	
		Total	17.17	220kV BHP - Tsirang Line	-22.65	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	16.69	5MVA, 66/11kV TFR	0.26	
		Unit-II	16.70	30MVA ICT, 220/66kV (HV)	2.77	
		Total	33.39	Auxiliary Consumption & Transformation Losses at Generator end	0.14%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	51.60	220kV DHP - Tsirang Line	7.70	220kV Bitdeer-Dagapela line under Line-Patrolling. Unit-II on Standby.
		Unit-II	0.00	220kV DHP - Dagapela Line	43.61	
		-	-	220kV Bitdeer - Dagapela Line	0.00	
		-	-	5MVA, 220/33kV TFR	0.24	
		Total	51.60	Auxiliary Consumption & Transformation Losses at Generator end	0.10%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.44	132kV KHP - Nangkhor Line	45.98	All Units and Feeders are in Service.
		Unit-II	16.54	132kV KHP - Kilikhar Line	19.35	
		Unit-III	16.49	5MVA, 132/11kV TFR	0.32	
		Unit-IV	16.58	132kV Motanga - Rangia Line	51.14	
		Total	66.05	Auxiliary Consumption & Transformation Losses at Generator end	0.61%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.87	132kV NHP-MHP-I	64.44	All Units & Feeders are in Service.
		Unit-II	64.77	132kV NHP-MHP-II	64.47	
		Total	129.64	Auxiliary Consumption & Transformation Losses at Generator end	0.56%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.06	66kV SHP-Damdhum (Samtse)	0.00	Power Evacuation is through 33kV feeder.
		Unit-II	5.02	-	-	
		Total	10.08	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	22.38 MWp SSP (Sephu Solar Plant)	Inverter-1	1.91	33kV SSP-Wangdue	5.18	All inverters and Feeder in service
		Inverter-2	1.43	33kV SSP-Trongsa	6.04	
		Inverter-3	1.89	-	-	
		Inverter-4	4.41	-	-	
		Inverter-5	1.57	-	-	
		Total	11.21	Auxiliary Consumption & Transformation Losses at Generator end	-0.05%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	15.06	Unit-I under Shutdown.
		Unit-II	16.02	5MVA, 132/33kV TFR	0.72	
		Total	16.02	Auxiliary Consumption & Transformation Losses at Generator end	1.50%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	20.06	132kV BSHP-Panbang	42.59	All Units and Feeders are in Service.
		Unit-II	26.91	132kV BSHP-Tintibi	3.87	
		Total	46.97	Auxiliary Consumption & Transformation Losses at Generator end	1.09%	

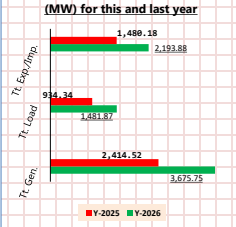
Note: Generation-Load Summary (MW) for 04-Jul-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,675.75	1,481.87	2,193.88

Note: Generation-Load Summary (MW) for 04-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)	2,414.52	934.34	1,480.18

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 05-Jul-2026(+ve:import, +ve:export)							
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time	Load
	July 4, 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	187.52	400kV THP - Siliguri Line - I	214.65	All Feeders & Units are in Service.	
		Unit-II	187.73	400kV THP - Siliguri Line - II	213.26		
		Unit-III	187.15	400kV THP - Norbugang Line - IV	244.08		
		Unit-IV	186.63	400kV THP - Malbase Line - III	441.36		
		Unit-V	186.87	400kV Malbase - Siliguri Line	147.93		
		Unit-VI	187.12	400kV Norbugang-Siliguri Line	93.17		
		Total	1,123.02	Auxiliary Consumption & Transformation Losses at Generator end	0.86%		
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.93	400kV MHP - Jigmeling Line - I	255.26	400kV MHP-JLG line- II under Shutdown.	
		Unit-II	197.71	400kV MHP - Jigmeling Line - II	0.00		
		Unit-III	191.12	400kV MHP - Jigmeling Line - III	264.23		
		Unit-IV	198.27	400kV MHP - Jigmeling Line - IV	264.52		
		-	-	220kV Jigmeling - BitDeer Line - I	174.50		
		-	-	220kV Jigmeling - BitDeer Line - II	158.50		
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	422.55		
		-	-	400kV Jigmeling - Alipurdwar Line - I	262.55		
		-	-	400kV Jigmeling - Alipurdwar Line - II	261.82		
		-	-	80MVA, 220/132kV ICT - I (HV)	45.65		
		-	-	80MVA, 220/132kV ICT - II (HV)	45.22		
		-	-	132kV MHP - Yurmo Line - II	57.24		
		-	-	132kV MHP - Tintibi Line	60.48		
		-	-	132kV Gelephu - Salakati Line	-3.96		
		Total	785.03	Auxiliary Consumption & Transformation Losses at Generator end	0.31%		
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	160.00	400kV PHP II - Jigmeling -I	88.10	Unit-VI tripped at 18:22hrs.	
		Unit-II	159.22	400kV PHP II - Jigmeling -II	87.05		
		Unit-III	159.17	400kV PHP II - Alipurdwar -I	312.88		
		Unit-IV	159.46	400kV PHP II - Alipurdwar -II	312.82		
		Unit-V	159.36	-	-		
		Unit-VI	0.00	-	-		
		Total	797.21	Auxiliary Consumption & Transformation Losses at Generator end	-0.46%		
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.38	220kV CHP - Birpara Line - I	25.65	All Units & Feeder are in Service.	
		Unit-II	91.10	220kV CHP - Birpara Line - II	25.59		
		Unit-III	88.54	220kV CHP - Gedu	56.96		
		Unit-IV	91.43	220kV CHP - Jamjee - I	83.26		
		-	-	220kV CHP - Jamjee - II	82.55		
		-	-	220kV CHP - Jamjee - III	79.42		
		-	-	220kV Malbase - Birpara Line	40.34		
		-	-	66kV CHP - Gedu Line	6.42		
		Total	362.45	Auxiliary Consumption & Transformation Losses at Generator end	0.72%		
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	8.62	220kV BHP - Sertokha Line	41.84	All Units and Feeders are in Service.	
		Unit-II	6.76	66kV BHP - Lobeysa Line	22.62		
		Total	15.38	220kV BHP - Tsirang Line	-13.72		
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	17.35	5MVA, 66/11kV TFR	0.66		
		Unit-II	17.31	30MVA ICT, 220/66kV (HV)	6.68		
		Total	34.66	Auxiliary Consumption & Transformation Losses at Generator end	-2.72%		
7	2 x 63 MW DHP (Dagachhu)	Unit-I	45.38	220kV DHP - Tsirang Line	0.64	220kV Bitdeer-Dagapela line under Line-Patrolling. Unit-II on Standby. Unit II on Standby.	
		Unit-II	0.00	220kV DHP - Dagapela Line	45.00		
		-	-	220kV BitDeer - Dagapela Line	0.00		
		-	-	5MVA, 220/33kV TFR	0.50		
		Total	45.38	Auxiliary Consumption & Transformation Losses at Generator end	-1.67%		
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.54	132kV KHP - Nangkhor Line	42.53	All Units & Feeders are in Service.	
		Unit-II	16.43	132kV KHP - Kilikhar Line	22.59		
		Unit-III	16.55	5MVA, 132/11kV TFR	0.37		
		Unit-IV	16.58	132kV Motanga - Rangia Line	52.02		
		Total	66.10	Auxiliary Consumption & Transformation Losses at Generator end	0.92%		
9	2 x 59 MW NHP (Nikachhu)	Unit-I	55.11	132kV NHP-MHP-I	54.70	All Units & Feeders are in Service.	
		Unit-II	64.90	132kV NHP-MHP-II	64.46		
		Total	120.01	Auxiliary Consumption & Transformation Losses at Generator end	0.71%		
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.05	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.	
		Unit-II	5.02	-	-		
		Total	10.07	Auxiliary Consumption & Transformation Losses at Generator end	100.00%		
11	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	14.18	Unit-I under Shutdown.	
		Unit-II	16.03	5MVA, 132/33kV TFR	1.60		
		Total	16.03	Auxiliary Consumption & Transformation Losses at Generator end	1.56%		
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	20.06	132kV BSHP-Panbang	49.36	All Units and Feeders are in Service.	
		Unit-II	26.96	132kV BSHP-Tintibi	-2.80		
		Total	47.02	Auxiliary Consumption & Transformation Losses at Generator end	0.98%		

Note: Generation-Load Summary (MW) for 04-Jul-2026 at 18:00 hrs

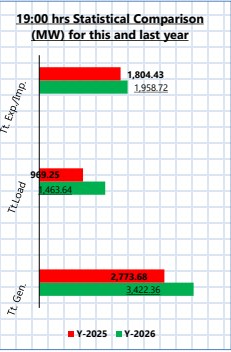
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,422.36	1,463.64	1,958.72

Note: Generation-Load Summary (MW) for 04-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)	2,773.68	969.25	1,804.43

Note: Daily Energy (MUS) and Power(MW) Statistics for 04-Jul-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	84.23	34.70	0.00	2.60	2,254.03



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.

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