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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 23-Jun-2026(-ve:import, +ve:export)							
Report	Date	Time	National Coincidental Peak Load (MW)		Date	Time	Load
	June 22, 2026	9:00 AM			08-Nov-25	19:03:00	1,477.00
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks	
1	6 x 170 MW THP (Tala)	Unit-I	160.54	400kV THP - Siliguri Line - I	174.94		
		Unit-II	135.46	400kV THP - Siliguri Line - II	173.06		
		Unit-III	145.59	400kV THP - Norbugang - IV	203.60		
		Unit-IV	154.35	400kV THP - Malbase Line - III	358.84		
		Unit-V	165.57	400kV Malbase - Siliguri Line	119.54		
		Unit-VI	156.72	400kV Norbugang-Siliguri Line	72.01		
		Total	918.23	Auxiliary Consumption & Transformation Losses at Generator end	0.85%		
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.39	400kV MHP - Jigmeling Line - I	256.15	400kV MHP-JLG line- II under shutdown.	
		Unit-II	196.77	400kV MHP - Jigmeling Line - II	0.00		
		Unit-III	195.06	400kV MHP - Jigmeling Line - III	265.12		
		Unit-IV	197.71	400kV MHP - Jigmeling Line - IV	265.23		
		-	-	220kV Jigmeling - BitDeer Line - I	184.80		
		-	-	220kV Jigmeling - BitDeer Line - II	166.47		
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	397.82		
		-	-	400kV Jigmeling - Alipurduar Line - I	259.64		
		-	-	400kV Jigmeling - Alipurduar Line - II	258.18		
		-	-	80MVA, 220/132kV ICT - I (HV)	24.04		
		-	-	80MVA, 220/132kV ICT - II (HV)	23.67		
		-	-	132kV MHP - Yurmo Line - II	54.92		
		-	-	132kV MHP - Tintibi Line	62.81		
		-	-	132kV Gelephu - Salakati Line	-18.19		
		Total	786.93	Auxiliary Consumption & Transformation Losses at Generator end	0.24%		
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	186.39	400kV PHP-II - Jigmeling-I	70.67	Unit-II under Shutdown. Unit-III under AMP.	
		Unit-II	0.00	400kV PHP-II - Jigmeling-II	69.98		
		Unit-III	0.00	400kV PHP-II - Alipurduar-I	300.98		
		Unit-IV	182.54	400kV PHP-II - Alipurduar-II	301.02		
		Unit-V	184.55	-	-		
		Unit-VI	184.93	-	-		
		Total	738.41	Auxiliary Consumption & Transformation Losses at Generator end	-0.57%		
4	4 x 84 MW CHP (Chukha)	Unit-I	91.39	220kV CHP - Birpara Line - I	11.36	All Units & Feeders are in Service.	
		Unit-II	91.24	220kV CHP - Birpara Line - II	10.83		
		Unit-III	87.38	220kV CHP - Gedu	108.41		
		Unit-IV	91.36	220kV CHP - Jamjee - I	74.02		
		-	-	220kV CHP - Jamjee - II	73.00		
		-	-	220kV CHP - Jamjee - III	70.94		
		-	-	220kV Malbase - Birpara Line	-21.86		
		-	-	66kV CHP - Gedu Line	9.65		
		Total	361.37	Auxiliary Consumption & Transformation Losses at Generator end	0.87%		
5	2 x 12 MW BHP (U/S) (Basochu)	Unit-I	12.04	220kV BHP - Semtokha Line	76.44		
		Unit-II	9.77	66kV BHP - Lobeysa Line	24.49		
		Total	21.81	220kV BHP - Tsirang Line	-36.65		
6	2 x 20 MW BHP (L/S) (Basochu)	Unit-I	20.55	5MVA, 66/11kV TFR	0.36	All Units and Feeders are in Service.	
		Unit-II	20.50	30MVA ICT, 220/66kV (HV)	1.26		
		Total	41.05	Auxiliary Consumption & Transformation Losses at Generator end	-2.83%		
7	2 x 63 MW DHP (Dagachhu)	Unit-I	35.44	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.	
		Unit-II	45.01	220kV DHP - Dagapela Line	80.00		
		-	-	220kV BitDeer - Dagapela Line	-32.52		
		-	-	5MVA, 220/33kV TFR	0.20		
		Total	80.45	Auxiliary Consumption & Transformation Losses at Generator end	0.31%		
8	4 x 15 MW KHP (Kurichhu)	Unit-I	14.27	132kV KHP - Nangkor Line	49.45	All Units and Feeders are in Service.	
		Unit-II	14.52	132kV KHP - Kilikhar Line	11.88		
		Unit-III	16.47	5MVA, 132/11kV TFR	0.29		
		Unit-IV	16.45	132kV Motanga - Rangja Line	53.95		
		Total	61.71	Auxiliary Consumption & Transformation Losses at Generator end	0.15%		
9	2 x 59 MW NHP (Nikachhu)	Unit-I	59.98	132kV NHP-MHP-I	59.59	All Units and Feeders are in Service.	
		Unit-II	60.02	132kV NHP-MHP-II	59.62		
		Total	120.00	Auxiliary Consumption & Transformation Losses at Generator end	0.66%		
10	2 x 9 MW SHP (Suchhu)	Unit-I	0.00	66kV SHP-Damdhum (Samtse)	0.00	Both Units under Shutdown. Interim measure: Evacuation is through 33kV System.	
		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	0.78	33kV SSP-Wangdue	3.36	All Inverters & Feeders are in Service.	
		Inverter-2	1.34	33kV SSP-Trongsa	3.16		
		Inverter-3	1.27	-	-		
		Inverter-4	1.71	-	-		
		Inverter-5	1.43	-	-		
		Total	6.53	Auxiliary Consumption & Transformation Losses at Generator end	0.18%		
12	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	15.06	Unit-I under Shutdown.	
		Unit-II	16.01	5MVA, 132/33kV TFR	0.75		
		Total	16.01	Auxiliary Consumption & Transformation Losses at Generator end	1.25%		
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	27.37	132kV BSHP-Panbang	33.38		
		Unit-II	26.97	132kV BSHP-Tintibi	20.38		
		Total	54.34	Auxiliary Consumption & Transformation Losses at Generator end	1.07%		

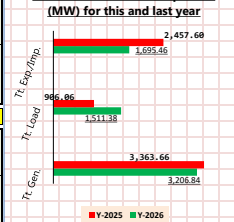
Note: Generation-Load Summary (MW) for 22-Jun-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,206.84	1,511.38	1,695.46

Note: Generation-Load Summary (MW) for 22-Jun-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)	3,363.66	906.06	2,457.60

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 23-Jun-2026(+ve:import,+ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	June 22, 2026	19:00:00			08-Nov-25	19:03:00
						1,477.00
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	6 x 170 MW THP (Tala)	Unit-I	187.53	400kV THP - Siliguri Line - I	217.58	Unit-II & Unit-III on Standby. All Feeders are in Service.
		Unit-II	187.83	400kV THP - Siliguri Line - II	216.26	
		Unit-III	187.15	400kV THP - Norbugang Line - IV	243.71	
		Unit-IV	186.22	400kV THP - Malbase Line - III	436.24	
		Unit-V	186.84	400kV Malbase - Siliguri Line	150.20	
		Unit-VI	187.16	400kV Norbugang-Siliguri Line	96.01	
		Total	1,122.73	Auxiliary Consumption & Transformation Losses at Generator end	0.80%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.23	400kV MHP - Jigmeling Line - I	256.42	400kV MHP-JLG line- II under shutdown.
		Unit-II	197.91	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	195.47	400kV MHP - Jigmeling Line - III	265.36	
		Unit-IV	197.82	400kV MHP - Jigmeling Line - IV	265.62	
		-	-	220kV Jigmeling - BitDeer Line - I	194.45	
		-	-	220kV Jigmeling - BitDeer Line - II	175.99	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	439.64	
		-	-	400kV Jigmeling - Alipurdwar Line - I	247.27	
		-	-	400kV Jigmeling - Alipurdwar Line - II	245.09	
		-	-	80MVA, 220/132kV ICT - I (HV)	35.51	
		-	-	80MVA, 220/132kV ICT - II (HV)	35.14	
		-	-	132kV MHP - Yumo Line - II	59.53	
		-	-	132kV MHP - Tintibi Line	62.37	
		-	-	132kV Gelephu - Salakati Line	-12.96	
		Total	788.43	Auxiliary Consumption & Transformation Losses at Generator end	0.42%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	185.64	400kV PHP II - Jigmeling -I	79.18	Unit-II under Shutdown. Unit-III under AMP.
		Unit-II	0.00	400kV PHP II - Jigmeling -II	78.53	
		Unit-III	0.00	400kV PHP II - Alipurdwar -I	292.79	
		Unit-IV	185.21	400kV PHP II - Alipurdwar -II	292.50	
		Unit-V	182.15	-	-	
		Unit-VI	185.61	-	-	
		Total	738.61	Auxiliary Consumption & Transformation Losses at Generator end	-0.59%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.60	220kV CHP - Birpara Line - I	17.49	All Units & Feeders are in Service..
		Unit-II	91.16	220kV CHP - Birpara Line - II	16.91	
		Unit-III	86.81	220kV CHP - Gedu	69.68	
		Unit-IV	91.40	220kV CHP - Jamjee - I	83.80	
		-	-	220kV CHP - Jamjee - II	82.81	
		-	-	220kV CHP - Jamjee - III	79.79	
		-	-	220kV Malbase - Birpara Line	17.10	
		-	-	66kV CHP - Gedu Line	8.55	
		Total	360.97	Auxiliary Consumption & Transformation Losses at Generator end	0.54%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	12.08	220kV BHP - Sertokha Line	67.40	All Units and Feeders are in Service.
		Unit-II	12.10	66kV BHP - Lobeysa Line	26.84	
		Total	24.18	220kV BHP - Tsirang Line	-30.12	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	20.48	5MVA, 66/11kV TFR	0.67	
		Unit-II	20.51	30MVA ICT, 220/66kV (HV)	3.87	
		Total	40.99	Auxiliary Consumption & Transformation Losses at Generator end	0.58%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	27.37	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	28.04	220kV DHP - Dagapela Line	55.21	
		-	-	220kV BitDeer - Dagapela Line	-8.13	
		-	-	5MVA, 220/33kV TFR	-	
		Total	55.41	Auxiliary Consumption & Transformation Losses at Generator end	0.36%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.51	132kV KHP - Nangkor Line	49.55	All Units & Feeders are in Service.
		Unit-II	16.58	132kV KHP - Kilikhar Line	15.66	
		Unit-III	16.48	5MVA, 132/11kV TFR	0.35	
		Unit-IV	16.39	132kV Motanga - Rangla Line	67.61	
		Total	65.96	Auxiliary Consumption & Transformation Losses at Generator end	0.61%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	59.97	132kV NHP-MHP-I	59.64	All Units & Feeders are in Service.
		Unit-II	64.88	132kV NHP-MHP-II	64.54	
		Total	124.85	Auxiliary Consumption & Transformation Losses at Generator end	0.54%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	0.05	66kV SHP-Damdhum (Samtse)	0.00	Both Units under Shutdown. Interim measure: Evacuation is through 33kV System.
		Unit-II	0.00	-	-	
		Total	0.05	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	14.40	Unit I on Standby.
		Unit-II	16.01	5MVA, 132/33kV TFR	1.38	
		Total	16.01	Auxiliary Consumption & Transformation Losses at Generator end	1.44%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	26.91	132kV BSHP-Panbang	50.60	Unit-I started its 72hrs trial run on 14.06.2026 at 00:30hrs.
		Unit-II	27.14	132kV BSHP-Tintibi	2.87	
		Total	54.05	Auxiliary Consumption & Transformation Losses at Generator end	1.07%	

Note: Generation-Load Summary (MW) for 22-Jun-2026 at 18:00 hrs

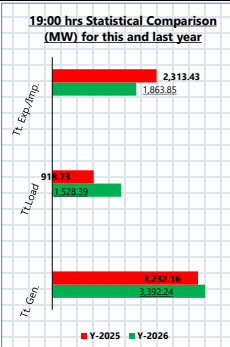
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,392.24	1,528.39	1,863.85

Note: Generation-Load Summary (MW) for 22-Jun-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)	3,232.16	918.73	2,313.43

Note: Daily Energy (MUS) and Power(MW) Statistics for 22-Jun-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	79.12	35.99	0.00	43.13	



- 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.
 - 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.