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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 22-Jun-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	June 21, 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	94.72	400kV THP - Siliguri Line - I	147.22	All Units & Feeders are in Service.
		Unit-II	120.99	400kV THP - Siliguri Line - II	145.35	
		Unit-III	140.03	400kV THP - Norbugang - IV	183.94	
		Unit-IV	155.39	400kV THP - Malbase Line - III	324.21	
		Unit-V	150.12	400kV Malbase - Siliguri Line	95.11	
		Unit-VI	146.26	400kV Norbugang-Siliguri Line	53.00	
		Total	807.51	Auxiliary Consumption & Transformation Losses at Generator end	0.84%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	164.78	400kV MHP - Jigmeling Line - I	221.56	400kV MHP-JLG line- II under shutdown.
		Unit-II	155.24	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	180.40	400kV MHP - Jigmeling Line - III	229.48	
		Unit-IV	180.69	400kV MHP - Jigmeling Line - IV	229.44	
		-	-	220kV Jigmeling - BitDeer Line - I	191.08	
		-	-	220kV Jigmeling - BitDeer Line - II	172.57	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	421.82	
		-	-	400kV Jigmeling - Alipurduar Line - I	220.36	
		-	-	400kV Jigmeling - Alipurduar Line - II	219.64	
		-	-	80MVA, 220/132kV ICT - I (HV)	29.78	
		-	-	80MVA, 220/132kV ICT - II (HV)	29.44	
		-	-	132kV MHP - Yurmo Line - II	54.71	
		-	-	132kV MHP - Tintibi Line	53.86	
		-	-	132kV Gelephu - Salakati Line	-25.62	
		Total	681.11	Auxiliary Consumption & Transformation Losses at Generator end	0.22%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	186.39	400kV PHP II - Jigmeling - I	97.30	Unit-II under Shutdown. Unit-III under AMP.
		Unit-II	0.00	400kV PHP II - Jigmeling - II	96.20	
		Unit-III	0.00	400kV PHP II - Alipurduar - I	273.83	
		Unit-IV	183.53	400kV PHP II - Alipurduar - II	274.00	
		Unit-V	182.20		-	
		Unit-VI	185.26		-	
		Total	737.38	Auxiliary Consumption & Transformation Losses at Generator end	-0.54%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.48	220kV CHP - Birpara Line - I	3.81	All Units & Feeders are in Service.
		Unit-II	91.20	220kV CHP - Birpara Line - II	3.90	
		Unit-III	86.87	220kV CHP - Gedu	102.51	
		Unit-IV	91.35	220kV CHP - Jamjee - I	81.29	
		-	-	220kV CHP - Jamjee - II	80.20	
		-	-	220kV CHP - Jamjee - III	77.62	
		-	-	220kV Malbase - Birpara Line	-29.44	
		-	-	66kV CHP - Gedu Line	9.19	
		Total	360.90	Auxiliary Consumption & Transformation Losses at Generator end	0.66%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	11.12	220kV BHP - Semtokha Line	60.30	All Units and Feeders are in Service.
		Unit-II	10.05	66kV BHP - Lobeysa Line	24.20	
		Total	21.17	220kV BHP - Tsirang Line	-22.87	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	20.54	5MVA, 66/11kV TFR	0.43	All Units and Feeders are in Service.
		Unit-II	20.48	30MVA ICT, 220/66kV (HV)	3.09	
		Total	41.02	Auxiliary Consumption & Transformation Losses at Generator end	0.21%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	58.57	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line under Shutdown for relay configuration. Unit II on Standby
		Unit-II	0.00	220kV DHP - Dagapela Line	58.20	
		-	-	220kV BitDeer - Dagapela Line	-11.95	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	58.57	Auxiliary Consumption & Transformation Losses at Generator end	0.29%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	15.45	132kV KHP - Nangkor Line	50.03	All Units and Feeders are in Service.
		Unit-II	15.69	132kV KHP - Kilikhar Line	13.35	
		Unit-III	16.58	5MVA, 132/11kV TFR	0.28	
		Unit-IV	16.54	132kV Motanga - Rangja Line	45.90	
		Total	64.26	Auxiliary Consumption & Transformation Losses at Generator end	0.93%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	55.00	132kV NHP-MHP-I	54.74	All Units and Feeders are in Service.
		Unit-II	55.04	132kV NHP-MHP-II	54.68	
		Total	110.04	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	Interim measure: Evacuation is through 33kV System.
		Unit-II	5.01		-	
		Total	10.07	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	17.38 MWp SSP (Sephu Solar Plant)	Inverter-1	0.48	33kV SSP-Wangdue	2.01	All Inverters & Feeders are in Service.
		Inverter-2	0.76	33kV SSP-Trongsa	1.84	
		Inverter-3	0.77		-	
		Inverter-4	1.01		-	
		Inverter-5	0.83		-	
		Total	3.85	Auxiliary Consumption & Transformation Losses at Generator end	-0.13%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	14.90	Unit-I under Shutdown.
		Unit-II	16.00	5MVA, 132/33kV TFR	0.91	
		Total	16.00	Auxiliary Consumption & Transformation Losses at Generator end	1.19%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	27.06	132kV BSHP-Panbang	35.96	All Units & Feeders are in Service.
		Unit-II	18.20	132kV BSHP-Tintibi	8.88	
		Total	45.26	Auxiliary Consumption & Transformation Losses at Generator end	0.93%	

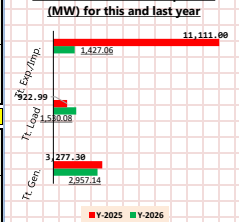
Note: Generation-Load Summary (MW) for 21-Jun-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,957.14	1,530.08	1,427.06

Note: Generation-Load Summary (MW) for 21-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)	3,277.30	922.99	11,111.00

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 22-Jun-2026(-ve:import,+ve:export)							
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time	Load
	June 21, 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	94.73	400kV THP - Siliguri Line - I	134.47	All Units & Feeders are in Service.	
		Unit-II	121.03	400kV THP - Siliguri Line - II	132.97		
		Unit-III	140.09	400kV THP - Norbugang Line - IV	178.69		
		Unit-IV	134.94	400kV THP - Malbase Line - III	329.40		
		Unit-V	145.04	400kV Malbase - Siliguri Line	78.71		
		Unit-VI	146.10	400kV Norbugang-Siliguri Line	42.90		
		Total	781.93	Auxiliary Consumption & Transformation Losses at Generator end	0.82%		
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	154.93	400kV MHP - Jigmeling Line - I	211.27	400kV MHP-JLG line- II under shutdown.	
		Unit-II	137.24	400kV MHP - Jigmeling Line - II	0.00		
		Unit-III	176.34	400kV MHP - Jigmeling Line - III	218.75		
		Unit-IV	180.56	400kV MHP - Jigmeling Line - IV	218.67		
		-	-	220kV Jigmeling - BitDeer Line - I	196.93		
		-	-	220kV Jigmeling - BitDeer Line - II	178.01		
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	444.73		
		-	-	400kV Jigmeling - Alipurdwar Line - I	205.82		
		-	-	400kV Jigmeling - Alipurdwar Line - II	203.64		
		-	-	80MVA, 220/132kV ICT - I (HV)	35.91		
		-	-	80MVA, 220/132kV ICT - II (HV)	35.53		
		-	-	132kV MHP - Yumo Line - II	56.91		
		-	-	132kV MHP - Tintibi Line	41.41		
		-	-	132kV Gelephu - Salakati Line	-25.01		
		Total	649.07	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	108.36	Unit-II under Shutdown. Unit-III under AMP.	
		Unit-II	0.00	400kV PHP II - Jigmeling -II	107.45		
		Unit-III	0.00	400kV PHP II - Alipurdwar -I	264.47		
		Unit-IV	183.31	400kV PHP II - Alipurdwar -II	264.45		
		Unit-V	185.24	-	-		
		Unit-VI	185.96	-	-		
		Total	740.90	Auxiliary Consumption & Transformation Losses at Generator end	-0.52%		
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.54	220kV CHP - Birpara Line - I	5.31	All Units & Feeders are in Service..	
		Unit-II	91.38	220kV CHP - Birpara Line - II	5.32		
		Unit-III	86.87	220kV CHP - Gedu	86.05		
		Unit-IV	91.39	220kV CHP - Jamjee - I	85.80		
		-	-	220kV CHP - Jamjee - II	85.42		
		-	-	220kV CHP - Jamjee - III	82.31		
		-	-	220kV Malbase - Birpara Line	-14.63		
		-	-	66kV CHP - Gedu Line	9.12		
		Total	361.18	Auxiliary Consumption & Transformation Losses at Generator end	0.51%		
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	12.02	220kV BHP - Sertokha Line	59.73	All Units and Feeders are in Service.	
		Unit-II	9.81	66kV BHP - Lobeysa Line	27.43		
		Total	21.83	220kV BHP - Tsirang Line	-23.10		
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	20.52	5MVA, 66/11kV TFR	0.59	All Units and Feeders are in Service.	
		Unit-II	20.51	30MVA ICT, 220/66kV (HV)	4.39		
		Total	41.03	Auxiliary Consumption & Transformation Losses at Generator end	-2.85%		
7	2 x 63 MW DHP (Dagachhu)	Unit-I	54.58	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Shutdown for relay configuration. Unit-II on standby	
		Unit-II	0.00	220kV DHP - Dagapela Line	54.28		
		-	-	220kV BitDeer - Dagapela Line	-8.95		
		-	-	5MVA, 220/33kV TFR	0.25		
		Total	54.58	Auxiliary Consumption & Transformation Losses at Generator end	0.09%		
8	4 x 15 MW KHP (Kurichhu)	Unit-I	15.38	132kV KHP - Nangkor Line	48.27	All Units & Feeders are in Service.	
		Unit-II	15.62	132kV KHP - Kilikhar Line	14.90		
		Unit-III	16.58	5MVA, 132/11kV TFR	0.38		
		Unit-IV	16.53	132kV Motanga - Rangia Line	44.35		
		Total	64.11	Auxiliary Consumption & Transformation Losses at Generator end	0.87%		
9	2 x 59 MW NHP (Nikachhu)	Unit-I	50.01	132kV NHP-MHP-I	49.71	All Units & Feeders are in Service.	
		Unit-II	49.99	132kV NHP-MHP-II	49.82		
		Total	100.00	Auxiliary Consumption & Transformation Losses at Generator end	0.47%		
10	2 x 9 MW SHP (Suchhu)	Unit-I	0.00	66kV SHP-Damdhum (Samtse)	0.00	33 kV feeder tripped	
		Unit-II	0.00	-	-		
		Total	0.00	Auxiliary Consumption & Transformation Losses at Generator end	0.00%		
11	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	14.38	Unit-I under shutdown	
		Unit-II	16.00	5MVA, 132/33kV TFR	1.43		
		Total	16.00	Auxiliary Consumption & Transformation Losses at Generator end	1.19%		
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	25.60	132kV BSHP-Panbang	40.88	All Units & Feeders are in Service.	
		Unit-II	26.77	132kV BSHP-Tintibi	10.94		
		Total	52.37	Auxiliary Consumption & Transformation Losses at Generator end	1.05%		

Note: Generation-Load Summary (MW) for 21-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)	2,883.00	1,540.23	1,342.77

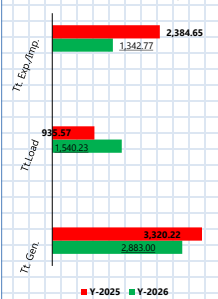
Note: Generation-Load Summary (MW) for 21-Jun-2025, at 19:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,320.22	935.57	2,384.65

Note: Daily Energy (MUS) and Power(MW) Statistics for 21-Jun-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	71.46	36.48	0.00	34.98	1,618.30

19:00 hrs Statistical Comparison
(MW) for this and last year



- 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.