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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 29-Jun-2026(-ve:import, +ve:export)									
Report Details		Date		Time		National Coincidental Peak Load (MW)		Date	
		June 28, 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	187.41	400kV THP - Siliguri Line - I			250.64	All Units & Feeders are in Service.	
		Unit-II	187.73	400kV THP - Siliguri Line - II			248.90		
		Unit-III	186.97	400kV THP - Norbugang - IV			189.89		
		Unit-IV	186.82	400kV THP - Malbase Line - III			424.44		
		Unit-V	186.96	400kV Malbase - Siliguri Line			193.62		
		Unit-VI	187.13	400kV Norbugang-Siliguri Line			163.85		
		Total	1,123.02	Auxiliary Consumption & Transformation Losses at Generator end			0.89%		
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.68	400kV MHP - Jigmeling Line - I			255.99	400kV MHP-JLG line- II under Shutdown.	
		Unit-II	196.19	400kV MHP - Jigmeling Line - II			0.00		
		Unit-III	194.48	400kV MHP - Jigmeling Line - III			264.86		
		Unit-IV	198.31	400kV MHP - Jigmeling Line - IV			265.15		
		-	-	220kV Jigmeling - BitDeer Line - I			147.02		
		-	-	220kV Jigmeling - BitDeer Line - II			133.00		
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)			358.18		
		-	-	400kV Jigmeling - Alipurduar Line - I			260.50		
		-	-	400kV Jigmeling - Alipurduar Line - II			260.50		
		-	-	80MVA, 220/132kV ICT - I (HV)			39.21		
		-	-	80MVA, 220/132kV ICT - II (HV)			38.86		
		-	-	132kV MHP - Yurmo Line - II			57.05		
		-	-	132kV MHP - Tintibi Line			12.94		
		-	-	132kV Gelephu - Salakati Line			-17.07		
		Total	786.66	Auxiliary Consumption & Transformation Losses at Generator end			0.04%		
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	140.00	400kV PHP II - Jigmeling - I			51.05	Unit-II under Shutdown.	
		Unit-II	0.00	400kV PHP II - Jigmeling - II			50.52		
		Unit-III	140.66	400kV PHP II - Alipurduar - I			287.57		
		Unit-IV	128.23	400kV PHP II - Alipurduar - II			287.36		
		Unit-V	130.81				-		
		Unit-VI	130.48				-		
		Total	670.18	Auxiliary Consumption & Transformation Losses at Generator end			-0.94%		
4	4 x 84 MW CHP (Chukha)	Unit-I	91.06	220kV CHP - Birpara Line - I			0.00	220kV CHP Birpara Line I & II tripped at 00:48hrs (currently under line patrolling)	
		Unit-II	91.06	220kV CHP - Birpara Line - II			0.00		
		Unit-III	91.06	220kV CHP - Gedu			118.91		
		Unit-IV	91.07	220kV CHP - Jamjee - I			78.64		
		-	-	220kV CHP - Jamjee - II			78.18		
		-	-	220kV CHP - Jamjee - III			75.25		
		-	-	220kV Malbase - Birpara Line			24.10		
		-	-	66kV CHP - Gedu Line			8.81		
		Total	364.25	Auxiliary Consumption & Transformation Losses at Generator end			1.22%		
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	11.99	220kV BHP - Semtokha Line			45.44	All Units and Feeders are in Service.	
		Unit-II	9.84	66kV BHP - Lobeysa Line			23.86		
		Total	21.83	220kV BHP - Tsirang Line			-4.95		
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	20.54	5MVA, 66/11kV TFR			0.44	All Units and Feeders are in Service.	
		Unit-II	20.54	30MVA ICT, 220/66kV (HV)			0.57		
		Total	41.08	Auxiliary Consumption & Transformation Losses at Generator end			-2.99%		
7	2 x 63 MW DHP (Dagachhu)	Unit-I	61.51	220kV DHP - Tsirang Line			0.00	220kV DHP-Tsirang line under Shutdown.	
		Unit-II	54.94	220kV DHP - Dagapela Line			115.80		
		-	-	220kV BitDeer - Dagapela Line			-79.20		
		-	-	5MVA, 220/33kV TFR			0.30		
		Total	116.45	Auxiliary Consumption & Transformation Losses at Generator end			0.30%		
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.57	132kV KHP - Nangkor Line			48.82	All Units and Feeders are in Service.	
		Unit-II	16.50	132kV KHP - Kilikhar Line			16.56		
		Unit-III	16.61	5MVA, 132/11kV TFR			0.31		
		Unit-IV	16.59	132kV Motanga - Rangja Line			50.90		
		Total	66.27	Auxiliary Consumption & Transformation Losses at Generator end			0.88%		
9	2 x 59 MW NHP (Nikachhu)	Unit-I	25.00	132kV NHP-MHP-I			24.80	All Units and Feeders are in Service.	
		Unit-II	45.11	132kV NHP-MHP-II			44.86		
		Total	70.11	Auxiliary Consumption & Transformation Losses at Generator end			0.64%		
10	2 x 9 MW SHP (Suchhu)	Unit-I	0.00	66kV SHP-Damdum (Samtse)			0.00	33kV feeder tripped at 23:57 hrs (27.06.2026). Restoration still under progress. 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	0.19	33kV SSP-Wangdue			0.90	All Inverters & Feeders are in Service.	
		Inverter-2	0.39	33kV SSP-Tongsa			0.81		
		Inverter-3	0.33				-		
		Inverter-4	0.44				-		
		Inverter-5	0.37				-		
		Total	1.71	Auxiliary Consumption & Transformation Losses at Generator end			0.23%		
12	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar			15.03	Unit-I under Shutdown.	
		Unit-II	16.00	5MVA, 132/33kV TFR			0.74		
		Total	16.00	Auxiliary Consumption & Transformation Losses at Generator end			1.44%		
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	27.05	132kV BSHP-Panbang			15.66	All Units and Feeders are in Service.	
		Unit-II	27.17	132kV BSHP-Tintibi			38.02		
		Total	54.22	Auxiliary Consumption & Transformation Losses at Generator end			1.00%		

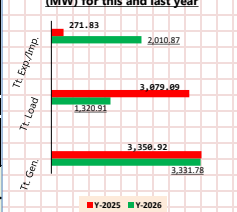
Note: Generation-Load Summary (MW) for 28-Jun-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,331.78	1,320.91	2,010.87

Note: Generation-Load Summary (MW) for 28-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)	3,350.92	3,079.09	271.83

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 29-Jun-2026(-ve:import,+ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	June 28, 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	187.47	400kV THP - Siliguri Line - I	221.56	
		Unit-II	187.72	400kV THP - Siliguri Line - II	220.23	
		Unit-III	187.05	400kV THP - Norbugang Line - IV	236.53	
		Unit-IV	186.54	400kV THP - Malbase Line - III	435.26	
		Unit-V	186.94	400kV Malbase - Siliguri Line	156.50	
		Unit-VI	187.02	400kV Norbugang-Siliguri Line	103.84	
		Total	1,122.74	Auxiliary Consumption & Transformation Losses at Generator end	0.82%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.89	400kV MHP - Jigmeling Line - I	255.53	400kV MHP-JLG line- II under Shutdown.
		Unit-II	197.87	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	191.98	400kV MHP - Jigmeling Line - III	264.44	
		Unit-IV	198.24	400kV MHP - Jigmeling Line - IV	264.75	
		-	-	220kV Jigmeling - BitDeer Line - I	174.22	
		-	-	220kV Jigmeling - BitDeer Line - II	157.58	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	403.64	
		-	-	400kV Jigmeling - Alipurdwar Line - I	295.00	
		-	-	400kV Jigmeling - Alipurdwar Line - II	294.50	
		-	-	80MVA, 220/132kV ICT - I (HV)	36.66	
		-	-	80MVA, 220/132kV ICT - II (HV)	36.27	
		-	-	132kV MHP - Yumo Line - II	58.80	
		-	-	132kV MHP - Tintibi Line	67.58	
		-	-	132kV Gelephu - Salakati Line	-6.95	
		Total	785.98	Auxiliary Consumption & Transformation Losses at Generator end	0.48%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	184.85	400kV PHP II - Jigmeling -I	107.46	Unit-II under Shutdown.
		Unit-II	0.00	400kV PHP II - Jigmeling -II	106.59	
		Unit-III	186.71	400kV PHP II - Alipurdwar -I	353.46	
		Unit-IV	183.31	400kV PHP II - Alipurdwar -II	352.73	
		Unit-V	180.13	-	-	
		Unit-VI	182.30	-	-	
		Total	917.30	Auxiliary Consumption & Transformation Losses at Generator end	-0.32%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	90.58	220kV CHP - Birpara Line - I	0.00	220 kV CHP_Birpara-I under shutdown (Insulator decapped)
		Unit-II	90.78	220kV CHP - Birpara Line - II	26.23	
		Unit-III	90.54	220kV CHP - Gedu	84.78	
		Unit-IV	91.28	220kV CHP - Jamjee - I	80.98	
		-	-	220kV CHP - Jamjee - II	80.14	
		-	-	220kV CHP - Jamjee - III	77.46	
		-	-	220kV Malbase - Birpara Line	19.74	
		-	-	66kV CHP - Gedu Line	9.00	
		Total	363.18	Auxiliary Consumption & Transformation Losses at Generator end	1.26%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	11.96	220kV BHP - Sertokha Line	71.00	All Units and Feeders are in Service.
		Unit-II	9.83	66kV BHP - Lobeyssa Line	27.04	
		Total	21.79	220kV BHP - Tsirang Line	-34.98	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	20.55	5MVA, 66/11kV TFR	0.60	
		Unit-II	20.55	30MVA ICT, 220/66kV (HV)	4.00	
		Total	41.10	Auxiliary Consumption & Transformation Losses at Generator end	-1.22%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	60.63	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	45.51	220kV DHP - Dagapela Line	106.12	
		-	-	220kV BitDeer - Dagapela Line	-64.28	
		-	-	5MVA, 220/33kV TFR	-	
		Total	106.14	Auxiliary Consumption & Transformation Losses at Generator end	0.02%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.53	132kV KHP - Nangkor Line	49.72	All Units & Feeders are in Service.
		Unit-II	16.53	132kV KHP - Kilikhar Line	15.41	
		Unit-III	16.48	5MVA, 132/11kV TFR	0.37	
		Unit-IV	16.55	132kV Motanga - Rangla Line	64.48	
		Total	66.09	Auxiliary Consumption & Transformation Losses at Generator end	0.89%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.78	132kV NHP-MHP-I	64.55	All Units & Feeders are in Service.
		Unit-II	64.96	132kV NHP-MHP-II	64.38	
		Total	129.74	Auxiliary Consumption & Transformation Losses at Generator end	0.62%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.02	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.
		Unit-II	5.08	-	-	
		Total	10.10	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	14.39	Unit-I under Shutdown.
		Unit-II	16.00	5MVA, 132/33kV TFR	1.38	
		Total	16.00	Auxiliary Consumption & Transformation Losses at Generator end	1.44%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	27.25	132kV BSHP-Panbang	51.60	All Units & Feeders are in Service.
		Unit-II	27.16	132kV BSHP-Tintibi	2.24	
		Total	54.41	Auxiliary Consumption & Transformation Losses at Generator end	1.05%	

Note: Generation-Load Summary (MW) for 28-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)	3,634.57	1,533.25	2,101.32

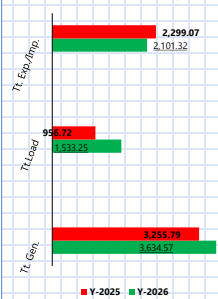
Note: Generation-Load Summary (MW) for 28-Jun-2025, at 19:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,255.79	956.72	2,299.07

Note: Daily Energy (MUS) and Power(MW) Statistics for 28-Jun-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	76.27	30.97	0.00	45.26	2,223.10

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



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.