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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 30-Jul-2026(-ve:import, +ve:export)						
Report	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	July 29, 2026	9:00 AM			27-Jul-26	19:11:12
						1,682.02
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	6 x 170 MW THP (Tala)	Unit-I	187.46	400kV THP - Siliguri Line - I	228.21	All Units & Feeders are in Service.
		Unit-II	187.56	400kV THP - Siliguri Line - II	226.89	
		Unit-III	187.82	400kV THP - Norbugang - IV	241.62	
		Unit-IV	187.18	400kV THP - Malbase Line - III	417.23	
		Unit-V	186.94	400kV Malbase - Siliguri Line	168.07	
		Unit-VI	187.16	400kV Norbugang-Siliguri Line	87.23	
		Total	1,123.32	Auxiliary Consumption & Transformation Losses at Generator end	0.83%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.78	400kV MHP - Jigmeling Line - I	263.29	400kV MHP-JLG Line -III on Standby.
		Unit-II	197.60	400kV MHP - Jigmeling Line - II	262.88	
		Unit-III	190.75	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	197.48	400kV MHP - Jigmeling Line - IV	256.30	
		-	-	220kV Jigmeling - BitDeer Line - I	168.77	
		-	-	220kV Jigmeling - BitDeer Line - II	152.29	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	384.00	
		-	-	400kV Jigmeling - Alipurduar Line - I	325.09	
		-	-	400kV Jigmeling - Alipurduar Line - II	324.36	
		-	-	80MVA, 220/132kV ICT - I (HV)	31.91	
		-	-	80MVA, 220/132kV ICT - II (HV)	31.55	
		-	-	132kV MHP - Yurmo Line - II	51.23	
		-	-	132kV MHP - Tintibi Line	74.00	
		-	-	132kV Gelephu - Salakati Line	-15.35	
		Total	783.61	Auxiliary Consumption & Transformation Losses at Generator end	0.62%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	185.00	400kV PHP-II - Jigmeling - I	131.19	
		Unit-II	172.89	400kV PHP-II - Jigmeling - II	130.67	
		Unit-III	182.17	400kV PHP-II - Alipurduar - I	399.14	
		Unit-IV	169.97	400kV PHP-II - Alipurduar - II	398.99	
		Unit-V	170.13	-	-	
		Unit-VI	178.46	-	-	
		Total	1,058.62	Auxiliary Consumption & Transformation Losses at Generator end	-0.13%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.31	220kV CHP - Birpara Line - I	5.79	All Units & Feeders are in Service.
		Unit-II	91.27	220kV CHP - Birpara Line - II	5.58	
		Unit-III	88.14	220kV CHP - Gedu	89.78	
		Unit-IV	91.58	220kV CHP - Jamjee - I	86.31	
		-	-	220kV CHP - Jamjee - II	85.39	
		-	-	220kV CHP - Jamjee - III	82.66	
		-	-	220kV Malbase - Birpara Line	-16.58	
		-	-	66kV CHP - Gedu Line	6.71	
		Total	362.30	Auxiliary Consumption & Transformation Losses at Generator end	0.02%	
5	2 x 12 MW BHP (U/S) (Basochu)	Unit-I	10.08	220kV BHP - Semtokha Line	27.92	
		Unit-II	9.89	66kV BHP - Lobeysa Line	20.57	
		Total	19.97	220kV BHP - Tsirang Line	1.99	
6	2 x 20 MW BHP (L/S) (Basochu)	Unit-I	15.58	5MVA, 66/11kV TFR	0.28	All Units & Feeders are in Service.
		Unit-II	15.58	30MVA ICT, 220/66kV (HV)	1.17	
		Total	31.16	Auxiliary Consumption & Transformation Losses at Generator end	0.72%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	44.52	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	42.01	220kV DHP - Dagapela Line	85.80	
		-	-	220kV BitDeer - Dagapela Line	-40.97	
		-	-	5MVA, 220/33kV TFR	0.30	
		Total	86.53	Auxiliary Consumption & Transformation Losses at Generator end	0.50%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.53	132kV KHP - Nangkhor Line	45.41	All Units & Feeders are in Service.
		Unit-II	16.55	132kV KHP - Kilikhar Line	19.76	
		Unit-III	16.58	5MVA, 132/11kV TFR	0.35	
		Unit-IV	16.59	132kV Motanga - Rangja Line	32.26	
		Total	66.25	Auxiliary Consumption & Transformation Losses at Generator end	1.10%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.95	132kV NHP-MHP-I	64.47	All Units & Feeders are in Service.
		Unit-II	64.87	132kV NHP-MHP-II	64.48	
		Total	129.82	Auxiliary Consumption & Transformation Losses at Generator end	0.67%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	7.40	66kV SHP-Damdhum (Samtse)	14.63	All Units & Feeders are in Service.
		Unit-II	7.39	-	-	
		Total	14.79	Auxiliary Consumption & Transformation Losses at Generator end	1.08%	
11	22.38 MWp SSP (Sephu Solar Plant)	Inverter-1	1.98	33kV SSP-Wangdue	5.64	All inverters and Feeders in service
		Inverter-2	2.56	33kV SSP-Trongsa	4.93	
		Inverter-3	1.07	-	-	
		Inverter-4	2.93	-	-	
		Inverter-5	2.06	-	1000.00%	
		Total	10.59	Auxiliary Consumption & Transformation Losses at Generator end	0.17%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	15.02	Unit-I under Shutdown
		Unit-II	16.05	5MVA, 132/33kV TFR	0.80	
		Total	16.05	Auxiliary Consumption & Transformation Losses at Generator end	1.43%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	33.09	Unit I under Shutdown.
		Unit-II	27.07	132kV BSHP-Tintibi	-6.52	
		Total	27.07	Auxiliary Consumption & Transformation Losses at Generator end	1.85%	

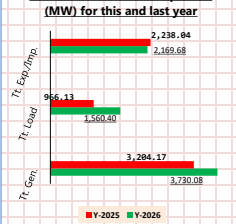
Note: Generation-Load Summary (MW) for 29-Jul-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,730.08	1,560.40	2,169.68

Note: Generation-Load Summary (MW) for 29-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)	3,204.17	966.13	2,238.04

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 30-Jul-2026(+ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	July 29, 2026	19:00:00			27-Jul-26	19:11:12
						1,682.02
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	6 x 170 MW THP (Tala)	Unit-I	185.00	400kV THP - Siliguri Line - I	215.00	All Units & Feeders are in Service.
		Unit-II	185.00	400kV THP - Siliguri Line - II	214.29	
		Unit-III	185.00	400kV THP - Norbugang Line - IV	245.88	
		Unit-IV	186.00	400kV THP - Malbase Line - III	438.45	
		Unit-V	186.00	400kV Malbase - Siliguri Line	148.17	
		Unit-VI	186.00	400kV Norbugang-Siliguri Line	93.57	
		Total	1,113.00	Auxiliary Consumption & Transformation Losses at Generator end	-0.06%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.95	400kV MHP - Jigmeling Line - I	262.62	400kV MHP-JLG Line -III on Standby.
		Unit-II	196.24	400kV MHP - Jigmeling Line - II	262.19	
		Unit-III	189.90	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	197.53	400kV MHP - Jigmeling Line - IV	255.63	
		-	-	220kV Jigmeling - BitDeer Line - I	167.18	
		-	-	220kV Jigmeling - BitDeer Line - II	152.63	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	452.00	
		-	-	400kV Jigmeling - Alipurduar Line - I	303.27	
		-	-	400kV Jigmeling - Alipurduar Line - II	302.55	
		-	-	80MVA, 220/132kV ICT - I (HV)	46.90	
		-	-	80MVA, 220/132kV ICT - II (HV)	46.50	
		-	-	132kV MHP - Yumo Line - II	56.55	
		-	-	132kV MHP - Tintibi Line	58.01	
		-	-	132kV Gelephu - Salakati Line	-11.59	
		Total	781.62	Auxiliary Consumption & Transformation Losses at Generator end	0.39%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	185.00	400kV PHP II - Jigmeling -I	138.72	All Units & Feeders are in Service.
		Unit-II	173.26	400kV PHP II - Jigmeling -II	137.79	
		Unit-III	180.51	400kV PHP II - Alipurduar -I	389.06	
		Unit-IV	175.51	400kV PHP II - Alipurduar -II	388.35	
		Unit-V	169.89	-	-	
		Unit-VI	176.09	-	-	
		Total	1,060.26	Auxiliary Consumption & Transformation Losses at Generator end	0.60%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.50	220kV CHP - Birpara Line - I	22.95	All Units & Feeders are in Service.
		Unit-II	91.51	220kV CHP - Birpara Line - II	22.52	
		Unit-III	90.08	220kV CHP - Gedu	78.25	
		Unit-IV	91.51	220kV CHP - Jamjee - I	78.21	
		-	-	220kV CHP - Jamjee - II	77.20	
		-	-	220kV CHP - Jamjee - III	74.75	
		-	-	220kV Malbase - Birpara Line	12.20	
		-	-	66kV CHP - Gedu Line	5.76	
		Total	364.60	Auxiliary Consumption & Transformation Losses at Generator end	1.36%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	10.09	220kV BHP - Semtokha Line	75.90	All Units and Feeders are in Service.
		Unit-II	7.72	66kV BHP - Lobeysa Line	26.02	
		Total	17.81	220kV BHP - Tsirang Line	-47.03	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	18.87	5MVA, 66/11kV TFR	0.70	
		Unit-II	18.95	30MVA ICT, 220/66kV (HV)	8.44	
		Total	37.82	Auxiliary Consumption & Transformation Losses at Generator end	0.07%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	42.54	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	41.04	220kV DHP - Dagapela Line	83.00	
		-	-	220kV BitDeer - Dagapela Line	-5.65	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	83.58	Auxiliary Consumption & Transformation Losses at Generator end	0.45%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.40	132kV KHP - Nangkor Line	42.67	All Units & Feeders are in Service.
		Unit-II	16.40	132kV KHP - Kilikhar Line	22.38	
		Unit-III	16.60	5MVA, 132/11kV TFR	0.50	
		Unit-IV	16.40	132kV Motanga - Rangla Line	46.85	
		Total	65.80	Auxiliary Consumption & Transformation Losses at Generator end	0.38%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	57.98	132kV NHP-MHP-I	57.68	All Units & Feeders are in Service.
		Unit-II	59.13	132kV NHP-MHP-II	58.77	
		Total	117.11	Auxiliary Consumption & Transformation Losses at Generator end	0.56%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	8.10	66kV SHP-Damdhum (Samtse)	16.03	All Units & Feeders are in Service.
		Unit-II	8.09	-	-	
		Total	16.19	Auxiliary Consumption & Transformation Losses at Generator end	0.99%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	14.36	Unit-I under Shutdown.
		Unit-II	16.04	5MVA, 132/33kV TFR	1.45	
		Total	16.04	Auxiliary Consumption & Transformation Losses at Generator end	1.43%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	48.16	Unit-I under Shutdown.
		Unit-II	26.94	132kV BSHP-Tintibi	-21.62	
		Total	26.94	Auxiliary Consumption & Transformation Losses at Generator end	1.48%	

Note: Generation-Load Summary (MW) for 29-Jul-2026 at 18:00 hrs

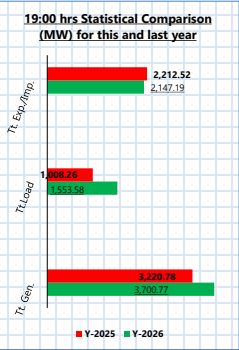
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,700.77	1,553.58	2,147.19

Note: Generation-Load Summary (MW) for 29-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)	3,220.78	1,008.26	2,212.52

Note: Daily Energy (MUS) and Power(MW) Statistics for 29-Jul-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	87.63	36.59	0.00	50.97	2,255.45



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.