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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-May-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	May 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	99.22	400kV THP - Siliguri Line - I	72.67	All Units & Feeders are in Service.
		Unit-II	105.98	400kV THP - Siliguri Line - II	71.13	
		Unit-III	100.04	400kV THP - Norbugang - IV	125.15	
		Unit-IV	100.12	400kV THP - Malbase Line - III	331.61	
		Unit-V	100.34	400kV Malbase - Siliguri Line	10.11	
		Unit-VI	100.37	400kV Norbugang-Siliguri Line	4.95	
		Total	606.07	Auxiliary Consumption & Transformation Losses at Generator end	0.91%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	130.21	400kV MHP - Jigmeling Line - I	144.12	Unit-III on Standby. 400kV MHP-JLG line-III under Shutdown.
		Unit-II	130.10	400kV MHP - Jigmeling Line - II	143.60	
		Unit-III	0.00	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	167.91	400kV MHP - Jigmeling Line - IV	140.08	
		-	-	220kV Jigmeling - BitDeer Line - I	176.34	
		-	-	220kV Jigmeling - BitDeer Line - II	165.01	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	436.36	
		-	-	400kV Jigmeling - Alipurduar Line - I	103.27	
		-	-	400kV Jigmeling - Alipurduar Line - II	101.82	
		-	-	80MVA, 220/132kV ICT - I (HV)	48.55	
		-	-	80MVA, 220/132kV ICT - II (HV)	48.10	
		-	-	132kV MHP - Yurmo Line - II	26.79	
		-	-	132kV MHP - Tintibi Line	27.14	
		-	-	132kV Gelephu - Salakati Line	-27.50	
		Total	428.22	Auxiliary Consumption & Transformation Losses at Generator end	0.26%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	180.50	400kV PHP II - Jigmeling - I	109.50	Unit- V & VI under AMP. Unit-II on Standby.
		Unit-II	0.00	400kV PHP II - Jigmeling - II	108.96	
		Unit-III	180.79	400kV PHP II - Alipurduar - I	159.79	
		Unit-IV	180.10	400kV PHP II - Alipurduar - II	160.00	
		Unit-V	0.00	-	-	
		Unit-VI	0.00	-	-	
		Total	541.30	Auxiliary Consumption & Transformation Losses at Generator end	0.56%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.43	220kV CHP - Birpara Line - I	-40.31	Unit-II & III under Shutdown (Annual Maintenance).
		Unit-II	0.00	220kV CHP - Birpara Line - II	-38.98	
		Unit-III	0.00	220kV CHP - Gedu	5.62	
		Unit-IV	91.63	220kV CHP - Jamjee - I	84.72	
		-	-	220kV CHP - Jamjee - II	84.00	
		-	-	220kV CHP - Jamjee - III	81.08	
		-	-	220kV Malbase - Birpara Line	-27.97	
		-	-	66kV CHP - Gedu Line	5.90	
		Total	183.06	Auxiliary Consumption & Transformation Losses at Generator end	0.56%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	3.48	220kV BHP - Semtokha Line	27.79	
		Unit-II	4.10	66kV BHP - Lobeysa Line	15.53	
		Total	7.58	220kV BHP - Tsirang Line	-19.95	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	7.99	5MVA, 66/11kV TFR	0.40	
		Unit-II	8.20	30MVA ICT, 220/66kV (HV)	7.90	
		Total	16.19	Auxiliary Consumption & Transformation Losses at Generator end	0.00%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	0.00	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on standby. Unit-I under Shutdown.
		Unit-II	31.00	220kV DHP - Dagapela Line	30.00	
		-	-	220kV BitDeer - Dagapela Line	19.40	
		-	-	5MVA, 220/33kV TFR	0.40	
		Total	31.00	Auxiliary Consumption & Transformation Losses at Generator end	1.94%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.53	132kV KHP - Nangkor Line	56.26	All Units & Feeders are in Service.
		Unit-II	16.44	132kV KHP - Kilikhar Line	9.16	
		Unit-III	16.58	5MVA, 132/11kV TFR	0.27	
		Unit-IV	16.50	132kV Motanga - Rangja Line	36.07	
		Total	66.05	Auxiliary Consumption & Transformation Losses at Generator end	0.55%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	40.03	132kV NHP-MHP-I	39.75	All Units & Feeders are in Service.
		Unit-II	15.03	132kV NHP-MHP-II	14.89	
		Total	55.06	Auxiliary Consumption & Transformation Losses at Generator end	0.76%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	9.01	66kV SHP-Damdhum (Samtse)	0.00	Unit-II tripped at 08:37hrs. Interim measure: Evacuation is through 33kV System.
		Unit-II	0.00	-	-	
		Total	9.01	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	17.38 MWp SSP (Sephu Solar Plant)	Inverter-1	1.75	33kV SSP-Wangdue	6.27	All Inverters & Feeders are in Service.
		Inverter-2	2.08	33kV SSP-Trongsa	5.65	
		Inverter-3	2.50	-	-	
		Inverter-4	3.20	-	-	
		Inverter-5	2.61	-	-	
		Total	12.14	Auxiliary Consumption & Transformation Losses at Generator end	1.77%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	7.07	132kV YHP-Kilikhar	19.42	Unit-I under trial run.
		Unit-II	13.32	5MVA, 132/33kV TFR	0.72	
		Total	20.39	Auxiliary Consumption & Transformation Losses at Generator end	1.23%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	17.70	Test charge not yet done for Unit-I.
		Unit-II	27.49	132kV BSHP-Tintibi	9.42	
		Total	27.49	Auxiliary Consumption & Transformation Losses at Generator end	1.35%	

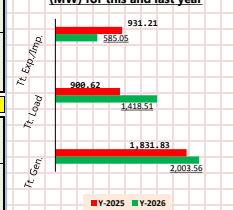
Note: Generation-Load Summary (MW) for 21-May-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,003.56	1,418.51	585.05

Note: Generation-Load Summary (MW) for 21-May-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)	1,831.83	900.62	931.21

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-May-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	May 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	89.26	400kV THP - Siliguri Line - I	59.80	All feeders and units in service
		Unit-II	95.19	400kV THP - Siliguri Line - II	57.88	
		Unit-III	90.08	400kV THP - Norbugang Line - IV	110.86	
		Unit-IV	80.56	400kV THP - Malbase Line - III	341.45	
		Unit-V	120.30	400kV Malbase - Siliguri Line	-6.59	
		Unit-VI	100.33	400kV Norbugang-Siliguri Line	-2.26	
		Total	575.72	Auxiliary Consumption & Transformation Losses at Generator end	1.00%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	149.58	400kV MHP - Jigmeling Line - I	0.00	400kV MHP-JLG line-III under shutdown & I on Standby. Unit III on standby
		Unit-II	144.59	400kV MHP - Jigmeling Line - II	178.63	
		Unit-III	0.00	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	64.66	400kV MHP - Jigmeling Line - IV	180.26	
		-	-	220kV Jigmeling - BitDeer Line - I	175.97	
		-	-	220kV Jigmeling - BitDeer Line - II	168.96	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	453.82	
		-	-	400kV Jigmeling - Alipurdwar Line - I	65.46	
		-	-	400kV Jigmeling - Alipurdwar Line - II	66.91	
		-	-	80MVA, 220/132kV ICT - I (HV)	54.46	
		-	-	80MVA, 220/132kV ICT - II (HV)	54.07	
		-	-	132kV MHP - Yumo Line - II	22.21	
		-	-	132kV MHP - Tintibi Line	22.02	
		-	-	132kV Gelephu - Salakati Line	-42.64	
		Total	358.83	Auxiliary Consumption & Transformation Losses at Generator end	0.07%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	160.00	400kV PHP II - Jigmeling -I	114.18	Unit-II on standby. Unit -V & VI under AMP.
		Unit-II	0.00	400kV PHP II - Jigmeling -II	114.18	
		Unit-III	160.03	400kV PHP II - Alipurdwar -I	127.27	
		Unit-IV	165.86	400kV PHP II - Alipurdwar -II	127.88	
		Unit-V	0.00	-	-	
		Unit-VI	0.00	-	-	
		Total	485.89	Auxiliary Consumption & Transformation Losses at Generator end	0.49%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.43	220kV CHP - Birpara Line - I	-41.55	Unit-II & III under Shutdown (Annual Maintenance).
		Unit-II	0.00	220kV CHP - Birpara Line - II	-41.35	
		Unit-III	0.00	220kV CHP - Gedu	-9.02	
		Unit-IV	91.63	220kV CHP - Jamjee - I	90.03	
		-	-	220kV CHP - Jamjee - II	89.13	
		-	-	220kV CHP - Jamjee - III	86.03	
		-	-	220kV Malbase - Birpara Line	-16.97	
		-	-	66kV CHP - Gedu Line	6.59	
		Total	183.06	Auxiliary Consumption & Transformation Losses at Generator end	1.75%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	0.00	220kV BHP - Sertokha Line	37.69	U/S Unit I on standby.
		Unit-II	7.20	66kV BHP - Lobeysa Line	20.46	
		Total	7.20	220kV BHP - Tsirang Line	-38.18	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	6.64	5MVA, 66/11kV TFR	0.62	
		Unit-II	6.37	30MVA ICT, 220/66kV (HV)	13.99	
		Total	13.01	Auxiliary Consumption & Transformation Losses at Generator end	-1.88%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	0.00	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on standby. DHP Unit-I under Shutdown.
		Unit-II	28.48	220kV DHP - Dagapela Line	28.32	
		-	-	220kV BitDeer - Dagapela Line	21.06	
		-	-	5MVA, 220/33kV TFR	0.30	
		Total	28.48	Auxiliary Consumption & Transformation Losses at Generator end	-0.49%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	13.83	132kV KHP - Nangkor Line	43.13	All Units & Feeders are in Service.
		Unit-II	13.83	132kV KHP - Kilikhar Line	11.42	
		Unit-III	13.82	5MVA, 132/11kV TFR	0.39	
		Unit-IV	13.90	132kV Motanga - Rangla Line	18.94	
		Total	55.38	Auxiliary Consumption & Transformation Losses at Generator end	0.79%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	27.99	132kV NHP-MHP-I	27.70	All Units & Feeders are in Service.
		Unit-II	17.02	132kV NHP-MHP-II	16.84	
		Total	45.01	Auxiliary Consumption & Transformation Losses at Generator end	1.04%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.00	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.
		Unit-II	5.00	-	-	
		Total	10.00	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	4.31	132kV YHP-Kilikhar	15.14	Unit I synced and kept on observation for 72 Hrs.
		Unit-II	12.52	5MVA, 132/33kV TFR	1.49	
		Total	16.83	Auxiliary Consumption & Transformation Losses at Generator end	1.19%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	23.86	Test charge not yet done for Unit-I.
		Unit-II	27.50	132kV BSHP-Tintibi	3.21	
		Total	27.50	Auxiliary Consumption & Transformation Losses at Generator end	1.56%	

Note: Generation-Load Summary (MW) for 21-May-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)	1,806.91	1,434.13	372.78

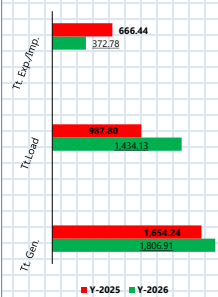
Note: Generation-Load Summary (MW) for 21-May-2025, at 19:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	1,654.24	987.80	666.44

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

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	309.59	33.65	0.00	7.27	608.74

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.