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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-May-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	May 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	0.00	400kV THP - Siliguri Line - I	92.09	Unit-I on Standby.
		Unit-II	94.36	400kV THP - Siliguri Line - II	90.64	
		Unit-III	140.15	400kV THP - Norbugang - IV	166.76	
		Unit-IV	161.51	400kV THP - Malbase Line - III	341.22	
		Unit-V	130.19	400kV Malbase - Siliguri Line	28.95	
		Unit-VI	170.10	400kV Norbugang-Siliguri Line	2.73	
		Total	696.31	Auxiliary Consumption & Transformation Losses at Generator end	0.80%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	156.09	400kV MHP - Jigmeling Line - I	0.00	Unit-III on Standby. 400kV MHP-JLG line-I & III under Shutdown.
		Unit-II	150.21	400kV MHP - Jigmeling Line - II	192.62	
		Unit-III	0.00	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	80.73	400kV MHP - Jigmeling Line - IV	194.10	
		-	-	220kV Jigmeling - BitDeer Line - I	178.06	
		-	-	220kV Jigmeling - BitDeer Line - II	168.39	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	447.64	
		-	-	400kV Jigmeling - Alipurduar Line - I	85.82	
		-	-	400kV Jigmeling - Alipurduar Line - II	85.09	
		-	-	80MVA, 220/132kV ICT - I (HV)	51.21	
		-	-	80MVA, 220/132kV ICT - II (HV)	50.72	
		-	-	132kV MHP - Yurmo Line - II	22.04	
		-	-	132kV MHP - Tintibi Line	22.21	
		-	-	132kV Gelephu - Salakati Line	-36.79	
		Total	387.03	Auxiliary Consumption & Transformation Losses at Generator end	0.20%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	175.00	400kV PHP II - Jigmeling-I	118.84	Unit- V & VI under AMP. Unit-II on Standby.
		Unit-II	0.00	400kV PHP II - Jigmeling-II	118.13	
		Unit-III	179.21	400kV PHP II - Alipurduar-I	146.91	
		Unit-IV	175.53	400kV PHP II - Alipurduar-II	147.58	
		Unit-V	0.00	-	-	
		Unit-VI	0.00	-	-	
		Total	529.74	Auxiliary Consumption & Transformation Losses at Generator end	-0.32%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.43	220kV CHP - Birpara Line - I	-40.17	Unit-II & III under Shutdown (Annual Maintenance).
		Unit-II	0.00	220kV CHP - Birpara Line - II	-39.78	
		Unit-III	0.00	220kV CHP - Gedu	-26.55	
		Unit-IV	91.63	220kV CHP - Jamjee - I	96.39	
		-	-	220kV CHP - Jamjee - II	95.00	
		-	-	220kV CHP - Jamjee - III	92.19	
		-	-	220kV Malbase - Birpara Line	-4.13	
		-	-	66kV CHP - Gedu Line	4.69	
		Total	183.06	Auxiliary Consumption & Transformation Losses at Generator end	0.70%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	0.00	220kV BHP - Semtokha Line	30.94	U/S Unit-I on Standby.
		Unit-II	7.80	66kV BHP - Lobeysa Line	19.87	
		Total	7.80	220kV BHP - Tsirang Line	-28.58	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	6.60	5MVA, 66/11kV TFR	0.44	
		Unit-II	8.00	30MVA ICT, 220/66kV (HV)	12.52	
		Total	14.60	Auxiliary Consumption & Transformation Losses at Generator end	-1.21%	
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	31.84	220kV DHP - Dagapela Line	31.84	
		-	-	220kV BitDeer - Dagapela Line	-17.23	
		-	-	5MVA, 220/33kV TFR	0.40	
		Total	31.84	Auxiliary Consumption & Transformation Losses at Generator end	-1.26%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	14.49	132kV KHP - Nangkhor Line	46.97	All Units & Feeders are in Service.
		Unit-II	14.42	132kV KHP - Kilikhar Line	10.90	
		Unit-III	14.78	5MVA, 132/11kV TFR	0.27	
		Unit-IV	14.75	132kV Motanga - Rangja Line	22.74	
		Total	58.44	Auxiliary Consumption & Transformation Losses at Generator end	0.51%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	27.96	132kV NHP-MHP-I	27.82	All Units & Feeders are in Service.
		Unit-II	17.01	132kV NHP-MHP-II	16.91	
		Total	44.97	Auxiliary Consumption & Transformation Losses at Generator end	0.53%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	4.99	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.
		Unit-II	4.99	-	-	
		Total	9.98	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	17.38 MWp SSP (Sephu Solar Plant)	Inverter-1	0.35	33kV SSP-Wangdue	1.86	All Inverters & Feeders are in Service.
		Inverter-2	0.77	33kV SSP-Trongsa	1.53	
		Inverter-3	0.74	-	-	
		Inverter-4	0.81	-	-	
		Inverter-5	0.73	-	-	
		Total	3.39	Auxiliary Consumption & Transformation Losses at Generator end	0.03%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	4.10	132kV YHP-Kilikhar	14.23	Unit-I under trial run.
		Unit-II	11.01	5MVA, 132/33kV TFR	0.66	
		Total	15.11	Auxiliary Consumption & Transformation Losses at Generator end	1.46%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	16.75	Test charge not yet done for Unit-I.
		Unit-II	27.48	132kV BSHP-Tintibi	10.45	
		Total	27.48	Auxiliary Consumption & Transformation Losses at Generator end	1.02%	

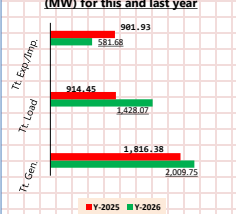
Note: Generation-Load Summary (MW) for 22-May-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,009.75	1,428.07	581.68

Note: Generation-Load Summary (MW) for 22-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)	1,816.38	914.45	901.93

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-May-2026(-ve:import, +ve:export)							
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time	Load
	May 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	94.74	400kV THP - Siliguri Line - I	69.51	Unit III on Standby.	
		Unit-II	114.49	400kV THP - Siliguri Line - II	68.25		
		Unit-III	0.00	400kV THP - Norbugang Line - IV	127.91		
		Unit-IV	161.35	400kV THP - Malbase Line - III	324.88		
		Unit-V	65.28	400kV Malbase - Siliguri Line	8.75		
		Unit-VI	160.15	400kV Norbugang-Siliguri Line	0.01		
		Total	596.01	Auxiliary Consumption & Transformation Losses at Generator end	0.92%		
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	195.87	400kV MHP - Jigmeling Line - I	0.00	400kV MHP-JLG line-III under shutdown & I on Standby. Unit III on standby	
		Unit-II	190.86	400kV MHP - Jigmeling Line - II	289.17		
		Unit-III	0.00	400kV MHP - Jigmeling Line - III	0.00		
		Unit-IV	195.34	400kV MHP - Jigmeling Line - IV	291.60		
		-	-	220kV Jigmeling - BitDeer Line - I	175.56		
		-	-	220kV Jigmeling - BitDeer Line - II	170.05		
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	446.55		
		-	-	400kV Jigmeling - Alipurdur Line - I	136.73		
		-	-	400kV Jigmeling - Alipurdur Line - II	136.00		
		-	-	80MVA, 220/132kV ICT - I (HV)	51.21		
		-	-	80MVA, 220/132kV ICT - II (HV)	50.78		
		-	-	132kV MHP - Yurmo Line - II	33.83		
		-	-	132kV MHP - Tintibi Line	34.62		
		-	-	132kV Gelephu - Salakati Line	-32.95		
		Total	582.07	Auxiliary Consumption & Transformation Losses at Generator end	0.40%		
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	170.00	400kV PHP II - Jigmeling -I	74.15	Unit-II on standby. Unit -V & VI under AMP.	
		Unit-II	0.00	400kV PHP II - Jigmeling -II	73.36		
		Unit-III	170.77	400kV PHP II - Alipurdur -I	177.44		
		Unit-IV	159.91	400kV PHP II - Alipurdur -II	177.75		
		Unit-V	0.00	-	-		
		Unit-VI	0.00	-	-		
		Total	500.68	Auxiliary Consumption & Transformation Losses at Generator end	-0.40%		
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.43	220kV CHP - Birpara Line - I	-33.62	Unit-II & III under Shutdown (Annual Maintenance).	
		Unit-II	0.00	220kV CHP - Birpara Line - II	-33.57		
		Unit-III	0.00	220kV CHP - Gedu	3.12		
		Unit-IV	91.63	220kV CHP - Jamjee - I	81.05		
		-	-	220kV CHP - Jamjee - II	79.99		
		-	-	220kV CHP - Jamjee - III	77.56		
		-	-	220kV Malbase - Birpara Line	-17.13		
		-	-	66kV CHP - Gedu Line	6.54		
		Total	183.06	Auxiliary Consumption & Transformation Losses at Generator end	1.09%		
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	0.00	220kV BHP - Sertokha Line	56.57	U/S Unit - I Tripped at 18:34:20 hrs.	
		Unit-II	12.30	66kV BHP - Lobeysa Line	24.21		
		Total	12.30	220kV BHP - Tsirang Line	-50.48		
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	9.35	5MVA, 66/11kV TFR	0.68		
		Unit-II	9.22	30MVA ICT, 220/66kV (HV)	12.65		
		Total	18.57	Auxiliary Consumption & Transformation Losses at Generator end	-0.36%		
7	2 x 63 MW DHP (Dagachhu)	Unit-I	28.40	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on standby. DHP Unit-II on standby	
		Unit-II	0.00	220kV DHP - Dagapela Line	28.49		
		-	-	220kV BitDeer - Dagapela Line	22.22		
		-	-	5MVA, 220/33kV TFR	0.30		
		Total	28.40	Auxiliary Consumption & Transformation Losses at Generator end	-1.37%		
8	4 x 15 MW KHP (Kurichhu)	Unit-I	12.12	132kV KHP - Nangkor Line	45.88	All Units & Feeders are in Service.	
		Unit-II	12.10	132kV KHP - Kilikhar Line	1.81		
		Unit-III	12.16	5MVA, 132/11kV TFR	0.42		
		Unit-IV	12.09	132kV Motanga - Rangla Line	35.96		
		Total	48.47	Auxiliary Consumption & Transformation Losses at Generator end	0.74%		
9	2 x 59 MW NHP (Nikachhu)	Unit-I	49.80	132kV NHP-MHP-I	49.67	All Units & Feeders are in Service.	
		Unit-II	19.92	132kV NHP-MHP-II	19.80		
		Total	69.72	Auxiliary Consumption & Transformation Losses at Generator end	0.36%		
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	4.99	-	-		
		Total	9.99	Auxiliary Consumption & Transformation Losses at Generator end	100.00%		
11	2 x 16 MW YHP (Yangichhu)	Unit-I	15.33	132kV YHP-Kilikhar	27.30	Unit I synced and kept on observation for 72 Hrs.	
		Unit-II	14.01	5MVA, 132/33kV TFR	1.60		
		Total	29.34	Auxiliary Consumption & Transformation Losses at Generator end	1.50%		
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	32.54	Test charge not yet done for Unit-I.	
		Unit-II	27.49	132kV BSHP-Tintibi	-5.40		
		Total	27.49	Auxiliary Consumption & Transformation Losses at Generator end	1.27%		

Note: Generation-Load Summary (MW) for 22-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)	2,106.10	1,412.97	693.13

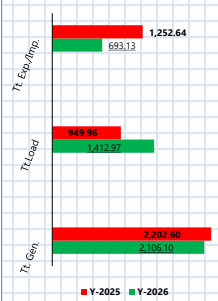
Note: Generation-Load Summary (MW) for 22-May-2025, at 19:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,202.60	949.96	1,252.64

Note: Daily Energy (MUs) and Power(MW) Statistics for 22-May-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	221.42	33.34	0.00	11.16	1,179.74

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:

- 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.
- 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.