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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-May-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	May 28, 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	90.16	400kV THP - Siliguri Line - I	68.41	All Units & Feeders are in Service.
		Unit-II	94.94	400kV THP - Siliguri Line - II	67.00	
		Unit-III	74.47	400kV THP - Norbugang - IV	119.72	
		Unit-IV	50.54	400kV THP - Malbase Line - III	235.75	
		Unit-V	80.25	400kV Malbase - Siliguri Line	26.02	
		Unit-VI	105.28	400kV Norbugang-Siliguri Line	3.55	
		Total	495.64	Auxiliary Consumption & Transformation Losses at Generator end	0.96%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	169.23	400kV MHP - Jigmeling Line - I	176.71	Unit-IV under shutdown to attain Nozzle issue. 400kV MHP-JLG line- III under shutdown.
		Unit-II	191.88	400kV MHP - Jigmeling Line - II	176.31	
		Unit-III	165.89	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	0.00	400kV MHP - Jigmeling Line - IV	172.48	
		-	-	220kV Jigmeling - BitDeer Line - I	199.65	
		-	-	220kV Jigmeling - BitDeer Line - II	152.81	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	426.91	
		-	-	400kV Jigmeling - Alipurduar Line - I	128.73	
		-	-	400kV Jigmeling - Alipurduar Line - II	127.27	
		-	-	80MVA, 220/132kV ICT - I (HV)	37.91	
		-	-	80MVA, 220/132kV ICT - II (HV)	37.57	
		-	-	132kV MHP - Yurmo Line - II	29.27	
		-	-	132kV MHP - Tintibi Line	29.58	
		-	-	132kV Gelephu - Salakati Line	-40.50	
		Total	527.00	Auxiliary Consumption & Transformation Losses at Generator end	0.44%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	130.00	400kV PHP II - Jigmeling - I	81.73	Unit- V & VI under AMP.
		Unit-II	125.89	400kV PHP II - Jigmeling - II	81.26	
		Unit-III	125.80	400kV PHP II - Alipurduar - I	172.15	
		Unit-IV	124.15	400kV PHP II - Alipurduar - II	172.20	
		Unit-V	0.00	-	-	
		Unit-VI	0.00	-	-	
		Total	505.84	Auxiliary Consumption & Transformation Losses at Generator end	-0.30%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.50	220kV CHP - Birpara Line - I	-20.11	Unit-II under Shutdown (Annual Maintenance).
		Unit-II	0.00	220kV CHP - Birpara Line - II	-19.86	
		Unit-III	91.41	220kV CHP - Gedu	31.82	
		Unit-IV	91.51	220kV CHP - Jamjee - I	93.28	
		-	-	220kV CHP - Jamjee - II	88.93	
		-	-	220kV CHP - Jamjee - III	89.58	
		-	-	220kV Malbase - Birpara Line	-14.50	
		-	-	66kV CHP - Gedu Line	5.38	
		Total	274.42	Auxiliary Consumption & Transformation Losses at Generator end	1.97%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	4.30	220kV BHP - Semtokha Line	35.85	All Units & Feeders are in Service.
		Unit-II	3.50	66kV BHP - Lobeysa Line	16.99	
		Total	7.80	220kV BHP - Tsirang Line	-27.71	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	8.67	5MVA, 66/11kV TFR	0.27	All Units & Feeders are in Service.
		Unit-II	8.94	30MVA ICT, 220/66kV (HV)	9.60	
		Total	17.61	Auxiliary Consumption & Transformation Losses at Generator end	0.04%	
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	28.01	220kV DHP - Dagapela Line	27.80	
		-	-	220kV BitDeer - Dagapela Line	21.82	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	28.01	Auxiliary Consumption & Transformation Losses at Generator end	0.04%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.55	132kV KHP - Nangkor Line	57.18	All Units & Feeders are in Service.
		Unit-II	16.60	132kV KHP - Kilikhar Line	8.33	
		Unit-III	16.60	5MVA, 132/11kV TFR	0.26	
		Unit-IV	16.51	132kV Motanga - Rangja Line	31.42	
		Total	66.26	Auxiliary Consumption & Transformation Losses at Generator end	0.74%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	19.97	132kV NHP-MHP-I	19.86	All Units & Feeders are in Service.
		Unit-II	40.04	132kV NHP-MHP-II	39.83	
		Total	60.01	Auxiliary Consumption & Transformation Losses at Generator end	0.53%	
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	5.00	-	-	
		Total	10.06	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	17.38 MWp SSP (Sephu Solar Plant)	Inverter-1	2.04	33kV SSP-Wangdue	8.67	All Inverters & Feeders are in Service.
		Inverter-2	3.33	33kV SSP-Trongsa	6.53	
		Inverter-3	3.32	-	-	
		Inverter-4	4.35	-	-	
		Inverter-5	2.26	-	-	
		Total	15.29	Auxiliary Consumption & Transformation Losses at Generator end	0.59%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	5.27	132kV YHP-Kilikhar	20.16	All Units & Feeders are in Service.
		Unit-II	15.81	5MVA, 132/33kV TFR	0.63	
		Total	21.08	Auxiliary Consumption & Transformation Losses at Generator end	1.38%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	3.76	Test charge not yet done for Unit-I.
		Unit-II	25.43	132kV BSHP-Tintibi	21.36	
		Total	25.43	Auxiliary Consumption & Transformation Losses at Generator end	1.22%	

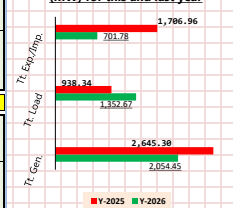
Note: Generation-Load Summary (MW) for 28-May-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,054.45	1,352.67	701.78

Note: Generation-Load Summary (MW) for 28-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)	2,645.30	938.34	1,706.96

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-May-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	May 28, 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	120.63	400kV THP - Siliguri Line - I	97.38	All Units & Feeders are in Service.
		Unit-II	114.97	400kV THP - Siliguri Line - II	96.09	
		Unit-III	114.09	400kV THP - Norbugang Line - IV	163.95	
		Unit-IV	100.54	400kV THP - Malbase Line - III	322.42	
		Unit-V	130.18	400kV Malbase - Siliguri Line	39.55	
		Unit-VI	105.26	400kV Norbugang-Siliguri Line	11.31	
		Total	685.67	Auxiliary Consumption & Transformation Losses at Generator end	0.85%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	109.36	400kV MHP - Jigmeling Line - I	118.70	400kV MHP-JLG line-III under shutdown.
		Unit-II	59.94	400kV MHP - Jigmeling Line - II	117.90	
		Unit-III	100.50	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	89.40	400kV MHP - Jigmeling Line - IV	118.50	
		-	-	220kV Jigmeling - BitDeer Line - I	194.93	
		-	-	220kV Jigmeling - BitDeer Line - II	150.13	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	441.09	
		-	-	400kV Jigmeling - Alipurdwar Line - I	88.00	
		-	-	400kV Jigmeling - Alipurdwar Line - II	90.18	
		-	-	80MVA, 220/132kV ICT - I (HV)	47.63	
		-	-	80MVA, 220/132kV ICT - II (HV)	47.22	
		-	-	132kV MHP - Yumo Line - II	29.50	
		-	-	132kV MHP - Tintibi Line	30.70	
		-	-	132kV Gelephu - Salakati Line	-44.32	
		Total	359.20	Auxiliary Consumption & Transformation Losses at Generator end	0.98%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	160.00	400kV PHP II - Jigmeling -I	114.89	Unit -V & VI under AMP. Unit-IV on Standby.
		Unit-II	160.46	400kV PHP II - Jigmeling -II	112.11	
		Unit-III	160.62	400kV PHP II - Alipurdwar -I	133.35	
		Unit-IV	0.00	400kV PHP II - Alipurdwar -II	131.43	
		Unit-V	0.00	-	-	
		Unit-VI	0.00	-	-	
		Total	481.08	Auxiliary Consumption & Transformation Losses at Generator end	-2.22%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	89.09	220kV CHP - Birpara Line - I	-29.93	Unit-II under Shutdown (Annual Maintenance).
		Unit-II	0.00	220kV CHP - Birpara Line - II	-29.30	
		Unit-III	89.37	220kV CHP - Gedu	9.18	
		Unit-IV	85.48	220kV CHP - Jamjee - I	105.36	
		-	-	220kV CHP - Jamjee - II	103.78	
		-	-	220kV CHP - Jamjee - III	100.26	
		-	-	220kV Malbase - Birpara Line	-10.72	
		-	-	66kV CHP - Gedu Line	2.70	
		Total	263.94	Auxiliary Consumption & Transformation Losses at Generator end	0.72%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	4.07	220kV BHP - Sertokha Line	30.33	All Units & Feeders are in Service
		Unit-II	3.50	66kV BHP - Lobeysa Line	22.37	
		Total	7.57	220kV BHP - Tsirang Line	-31.95	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	7.06	5MVA, 66/11kV TFR	0.68	
		Unit-II	7.01	30MVA ICT, 220/66kV (HV)	15.83	
		Total	14.07	Auxiliary Consumption & Transformation Losses at Generator end	0.97%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	27.00	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on standby. DHP Unit-Iion Standby.
		Unit-II	0.00	220kV DHP - Dagapela Line	26.70	
		-	-	220kV BitDeer - Dagapela Line	23.30	
		-	-	5MVA, 220/33kV TFR	0.25	
		Total	27.00	Auxiliary Consumption & Transformation Losses at Generator end	0.19%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.27	132kV KHP - Nangkor Line	52.41	All Units & Feeders are in Service.
		Unit-II	16.57	132kV KHP - Kilikhar Line	12.66	
		Unit-III	16.61	5MVA, 132/11kV TFR	0.37	
		Unit-IV	16.51	132kV Motanga - Rangla Line	27.47	
		Total	65.96	Auxiliary Consumption & Transformation Losses at Generator end	0.79%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	20.05	132kV NHP-MHP-I	19.88	All Units & Feeders are in Service.
		Unit-II	39.96	132kV NHP-MHP-II	39.75	
		Total	60.01	Auxiliary Consumption & Transformation Losses at Generator end	0.63%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.07	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.
		Unit-II	5.00	-	-	
		Total	10.07	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	5.18	132kV YHP-Kilikhar	16.60	
		Unit-II	13.01	5MVA, 132/33kV TFR	1.49	
		Total	18.19	Auxiliary Consumption & Transformation Losses at Generator end	0.55%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	11.61	Test charge not yet done for Unit-I.
		Unit-II	25.61	132kV BSHP-Tintibi	13.68	
		Total	25.61	Auxiliary Consumption & Transformation Losses at Generator end	1.25%	

Note: Generation-Load Summary (MW) for 28-May-2026 at 18:00 hrs

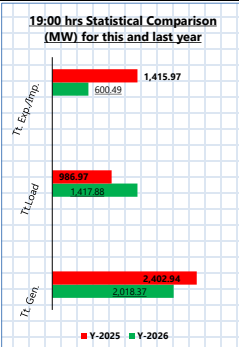
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,018.37	1,417.88	600.49

Note: Generation-Load Summary (MW) for 28-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)	2,402.94	986.97	1,415.97

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

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	49.99	33.20	0.00	16.79	866.86



- 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.