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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-May-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	May 29, 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	90.11	400kV THP - Siliguri Line - I	70.27	All Units & Feeders are in Service.
		Unit-II	80.98	400kV THP - Siliguri Line - II	68.73	
		Unit-III	85.02	400kV THP - Norbugang - IV	131.26	
		Unit-IV	100.55	400kV THP - Malbase Line - III	251.00	
		Unit-V	64.50	400kV Malbase - Siliguri Line	24.59	
		Unit-VI	105.18	400kV Norbugang-Siliguri Line	9.84	
		Total	526.34	Auxiliary Consumption & Transformation Losses at Generator end	0.97%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	170.74	400kV MHP - Jigmeling Line - I	238.19	400kV MHP-JLG line- III on Standby.
		Unit-II	171.93	400kV MHP - Jigmeling Line - II	237.73	
		Unit-III	186.71	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	181.57	400kV MHP - Jigmeling Line - IV	232.69	
		-	-	220kV Jigmeling - BitDeer Line - I	196.32	
		-	-	220kV Jigmeling - BitDeer Line - II	155.82	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	440.73	
		-	-	400kV Jigmeling - Alipurduar Line - I	211.64	
		-	-	400kV Jigmeling - Alipurduar Line - II	210.18	
		-	-	80MVA, 220/132kV ICT - I (HV)	45.12	
		-	-	80MVA, 220/132kV ICT - II (HV)	44.71	
		-	-	132kV MHP - Yurmo Line - II	38.74	
		-	-	132kV MHP - Tintibi Line	39.64	
		-	-	132kV Gelephu - Salakati Line	-24.70	
		Total	710.95	Auxiliary Consumption & Transformation Losses at Generator end	0.49%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	173.79	400kV PHP II - Jigmeling -I	81.22	Unit-VI under AMP. Unit-IV on Standby.
		Unit-II	166.31	400kV PHP II - Jigmeling -II	80.33	
		Unit-III	169.90	400kV PHP II - Alipurduar -I	257.24	
		Unit-IV	0.00	400kV PHP II - Alipurduar -II	256.98	
		Unit-V	165.88	-	-	
		Unit-VI	0.00	-	-	
		Total	675.88	Auxiliary Consumption & Transformation Losses at Generator end	0.02%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.49	220kV CHP - Birpara Line - I	-15.96	Unit-II under Shutdown (Annual Maintenance).
		Unit-II	0.00	220kV CHP - Birpara Line - II	-15.71	
		Unit-III	91.56	220kV CHP - Gedu	37.01	
		Unit-IV	91.55	220kV CHP - Jamjee - I	88.27	
		-	-	220kV CHP - Jamjee - II	87.00	
		-	-	220kV CHP - Jamjee - III	84.49	
		-	-	220kV Malbase - Birpara Line	-12.74	
		-	-	66kV CHP - Gedu Line	8.05	
		Total	274.60	Auxiliary Consumption & Transformation Losses at Generator end	0.53%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	4.17	220kV BHP - Semtokha Line	48.27	All Units & Feeders are in Service.
		Unit-II	4.50	66kV BHP - Lobeysa Line	17.63	
		Total	8.67	220kV BHP - Tsirang Line	-39.72	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	8.66	5MVA, 66/11kV TFR	0.24	All Units & Feeders are in Service.
		Unit-II	8.80	30MVA ICT, 220/66kV (HV)	9.19	
		Total	17.46	Auxiliary Consumption & Transformation Losses at Generator end	-1.11%	
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	37.00	220kV DHP - Dagapela Line	36.80	
		-	-	220kV BitDeer - Dagapela Line	12.46	
		-	-	5MVA, 220/33kV TFR	0.50	
		Total	37.00	Auxiliary Consumption & Transformation Losses at Generator end	-0.81%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	15.77	132kV KHP - Nangkor Line	53.48	All Units & Feeders are in Service.
		Unit-II	15.82	132kV KHP - Kilikhar Line	9.21	
		Unit-III	15.98	5MVA, 132/11kV TFR	0.24	
		Unit-IV	15.89	132kV Motanga - Rangja Line	30.56	
		Total	63.46	Auxiliary Consumption & Transformation Losses at Generator end	0.84%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	40.01	132kV NHP-MHP-I	39.77	All Units & Feeders are in Service.
		Unit-II	39.92	132kV NHP-MHP-II	39.77	
		Total	79.93	Auxiliary Consumption & Transformation Losses at Generator end	0.49%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.05	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.
		Unit-II	5.00	-	-	
		Total	10.05	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	17.38 MWp SSP (Sephu Solar Plant)	Inverter-1	1.79	33kV SSP-Wangdue	8.29	All Inverters & Feeders are in Service.
		Inverter-2	3.32	33kV SSP-Trongsa	7.83	
		Inverter-3	3.19	-	-	
		Inverter-4	4.29	-	-	
		Inverter-5	3.55	-	-	
		Total	16.13	Auxiliary Consumption & Transformation Losses at Generator end	0.07%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	6.07	132kV YHP-Kilikhar	18.37	All Units & Feeders are in Service.
		Unit-II	13.01	5MVA, 132/33kV TFR	0.52	
		Total	19.08	Auxiliary Consumption & Transformation Losses at Generator end	1.00%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	18.90	Test charge not yet done for Unit-I.
		Unit-II	25.48	132kV BSHP-Tintibi	6.27	
		Total	25.48	Auxiliary Consumption & Transformation Losses at Generator end	1.22%	

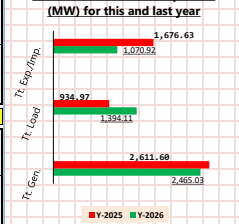
Note: Generation-Load Summary (MW) for 29-May-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,465.03	1,394.11	1,070.92

Note: Generation-Load Summary (MW) for 29-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)	2,611.60	934.97	1,676.63

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-May-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	May 29, 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	101.30	400kV THP - Siliguri Line - I	107.53	All Units & Feeders are in Service.
		Unit-II	120.19	400kV THP - Siliguri Line - II	106.12	
		Unit-III	104.28	400kV THP - Norbugang Line - IV	167.07	
		Unit-IV	100.29	400kV THP - Malbase Line - III	274.74	
		Unit-V	130.12	400kV Malbase - Siliguri Line	0.00	
		Unit-VI	105.24	400kV Norbugang-Siliguri Line	20.72	
		Total	661.42	Auxiliary Consumption & Transformation Losses at Generator end	0.90%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	135.19	400kV MHP - Jigmeling Line - I	155.30	400kV MHP-JLG line-III on standby.
		Unit-II	79.98	400kV MHP - Jigmeling Line - II	154.75	
		Unit-III	65.47	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	181.24	400kV MHP - Jigmeling Line - IV	151.02	
		-	-	220kV Jigmeling - BitDeer Line - I	163.71	
		-	-	220kV Jigmeling - BitDeer Line - II	149.55	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	428.00	
		-	-	400kV Jigmeling - Alipurdwar Line - I	104.73	
		-	-	400kV Jigmeling - Alipurdwar Line - II	103.27	
		-	-	80MVA, 220/132kV ICT - I (HV)	57.85	
		-	-	80MVA, 220/132kV ICT - II (HV)	57.31	
		-	-	132kV MHP - Yurno Line - II	29.55	
		-	-	132kV MHP - Tintibi Line	29.36	
		-	-	132kV Gelephu - Salakati Line	-36.97	
		Total	461.88	Auxiliary Consumption & Transformation Losses at Generator end	0.30%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	120.00	400kV PHP II - Jigmeling -I	91.36	Unit -III & VI under AMP.
		Unit-II	120.21	400kV PHP II - Jigmeling -II	90.76	
		Unit-III	0.00	400kV PHP II - Alipurdwar -I	153.45	
		Unit-IV	120.99	400kV PHP II - Alipurdwar -II	153.65	
		Unit-V	121.36	-	-	
		Unit-VI	0.00	-	-	
		Total	482.56	Auxiliary Consumption & Transformation Losses at Generator end	-1.38%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.46	220kV CHP - Birpara Line - I	-17.01	Unit-II under Shutdown (Annual Maintenance).
		Unit-II	0.00	220kV CHP - Birpara Line - II	-16.81	
		Unit-III	91.31	220kV CHP - Gedu	-2.88	
		Unit-IV	91.47	220kV CHP - Jamjee - I	101.97	
		-	-	220kV CHP - Jamjee - II	101.39	
		-	-	220kV CHP - Jamjee - III	97.53	
		-	-	220kV Malbase - Birpara Line	17.64	
		-	-	66kV CHP - Gedu Line	8.68	
		Total	274.24	Auxiliary Consumption & Transformation Losses at Generator end	0.50%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	3.97	220kV BHP - Semtokha Line	31.73	All Units & Feeders are in Service
		Unit-II	2.87	66kV BHP - Lobeyssa Line	22.44	
		Total	6.84	220kV BHP - Tsirang Line	-30.77	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	8.11	5MVA, 66/11kV TFR	0.62	
		Unit-II	8.08	30MVA ICT, 220/66kV (HV)	15.21	
		Total	16.19	Auxiliary Consumption & Transformation Losses at Generator end	-4.30%	
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 on Standby.
		Unit-II	30.04	220kV DHP - Dagapela Line	29.45	
		-	-	220kV BitDeer - Dagapela Line	19.35	
		-	-	5MVA, 220/33kV TFR	-	
		Total	30.04	Auxiliary Consumption & Transformation Losses at Generator end	1.96%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	13.84	132kV KHP - Nangkor Line	43.13	All Units & Feeders are in Service.
		Unit-II	13.84	132kV KHP - Kilikhar Line	11.50	
		Unit-III	13.89	5MVA, 132/11kV TFR	0.39	
		Unit-IV	13.86	132kV Motanga - Rangla Line	21.89	
		Total	55.43	Auxiliary Consumption & Transformation Losses at Generator end	0.74%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	40.01	132kV NHP-MHP-I	39.68	All Units & Feeders are in Service.
		Unit-II	20.03	132kV NHP-MHP-II	19.82	
		Total	60.04	Auxiliary Consumption & Transformation Losses at Generator end	0.90%	
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	4.99	-	-	
		Total	10.05	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	6.14	132kV YHP-Kilikhar	-	
		Unit-II	10.02	5MVA, 132/33kV TFR	-	
		Total	16.16	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	25.58	Test charge not yet done for Unit-I.
		Unit-II	25.62	132kV BSHP-Tintibi	-0.29	
		Total	25.62	Auxiliary Consumption & Transformation Losses at Generator end	1.29%	

Note: Generation-Load Summary (MW) for 29-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)	2,100.47	1,382.26	718.21

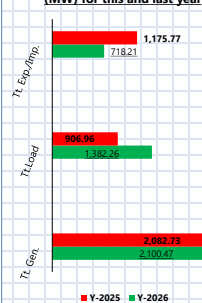
Note: Generation-Load Summary (MW) for 29-May-2025, at 19:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,082.73	906.96	1,175.77

Note: Daily Energy (MUs) and Power(MW) Statistics for 29-May-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	56.32	33.94	0.00	19.27	1,228.70

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.