



Note: Generation-Load Summary (MW) for 02-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)	1,138.29	941.66	196.63
Note: Generation-Load Summary (MW) for 02-May-24 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)	561.34	854.15	-292.81

THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 03-May-2025(-ve:import, +ve:export)						
Report	Date	Time	National Coincidental Peak Load (MW)		Date	Time
Details	May 2, 2025	18:00:00			25-Dec-2024	18:36
						1026.44
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	6 x 170MW THP	Unit- I	0.00	400kV THP - Siliguri Line - I	47.03	Unit-I, II & III under shutdown for Penstock Cleaning. 400kV THP-SIL Line II on Standby.
		Unit- II	0.00	400kV THP - Siliguri Line - II	0.00	
		Unit- III	0.00	400kV THP - Siliguri Line - IV	43.13	
		Unit- IV	49.83	400kV THP - Malbase Line - III	265.00	
		Unit- V	133.79	400kV Malbase - Siliguri Line	-1.36	
		Unit- VI	171.52	-	-	
		Total	355.14	Auxiliary Consumption & Transformation Losses at Generator end	-0.01%	
2	4 x 180MW MHP	Unit-I	131.69	400kV MHP - Jigmeling Line - I	0.00	Unit-II under AMP. 400kV MHP-JLG line-I on Standby. 400kV MHP-JLG line-II on Standby. 132kV MHP_Yurmoo Line-I not in Service.
		Unit-II	0.00	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	61.23	400kV MHP - Jigmeling Line - III	113.02	
		Unit-IV	67.34	400kV MHP - Jigmeling Line - IV	111.79	
		-	-	132kV MHP - Yurmo Line - I	0.00	
		-	-	132kV MHP - Yurmo Line - II	78.27	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	190.65	
		-	-	400kV Jigmeling - Alipurduar Line - I	130.18	
		-	-	400kV Jigmeling - Alipurduar Line - II	123.64	
		-	-	80MVA, 220/132kV ICT - I (HV)	22.55	
		-	-	80MVA, 220/132kV ICT - II (HV)	22.39	
		-	-	220kV Tsirang - Jigmeling Line	-126.51	
		-	-	132kV Gelephu - Salakati Line	-15.14	
		Total	260.26	Auxiliary Consumption & Transformation Losses at Generator end	-0.77%	
3	6 x 170MW PHP-II	Unit- I	50.00	400kV PHP II - Jigmeling -I	0.00	Unit-II on Standby. 400kV PHP-II - Jigmeling Line-I on Standby.
		Unit- II	0.00	400kV PHP II - Jigmeling -II	229.89	
		Unit- III	180.00	400kV PHP II - Alipurduar -I	0.00	
		Unit- IV	0.00	400kV PHP II - Alipurduar -II	0.00	
		Unit- V	0.00	-	-	
		Unit- VI	0.00	-	-	
		Total	230.00	Auxiliary Consumption & Transformation Losses at Generator end	0.05%	
4	4 x 84MW CHP	Unit- I	75.69	220kV CHP - Birpara Line - I	-44.38	Unit-IV under Shutdown . Unit-II under AMP.
		Unit- II	0.00	220kV CHP - Birpara Line - II	-43.87	
		Unit- III	74.78	220kV CHP - Gedu	10.41	
		Unit- IV	0.00	220kV CHP - Jamjee - I	74.73	
		-	-	220kV CHP - Jamjee - II	74.17	
		-	-	220kV CHP - Jamjee - III	71.65	
		-	-	220kV Malbase - Birpara Line	-38.26	
		-	-	66kV CHP - Gedu Line	6.35	
		-	-	3x3MVA, 66/11kV TFR	1.52	
		Total	150.47	Auxiliary Consumption & Transformation Losses at Generator end	-0.07%	
5	2 x 12MW BHP (U/S)	Unit- I	2.90	220kV BHP - Semtokha Line	112.50	
		Unit- II	3.10	66kV BHP - Lobeysa Line	25.07	
		Total	6.00	220kV BHP - Tsirang Line	-118.76	
6	2 x 20MW BHP (L/S)	Unit- I	6.40	5MVA, 66/11kV TFR	0.43	
		Unit- II	6.60	30MVA ICT, 220/66kV (HV)	19.51	
		Total	13.00	Auxiliary Consumption & Transformation Losses at Generator end	-1.26%	
7	2 x 63MW DHP	Unit-I	0.00	220kV DHP - Tsirang Line	0.00	Unit-I on Standby. 220kV DHP-TSI line kept on Idle charge.
		Unit-II	28.00	220kV DHP - Dagapela Line	27.50	
		-	-	220kV Jigmeling - Dagapela Line	22.08	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	28.00	Auxiliary Consumption & Transformation Losses at Generator end	1.07%	
8	4 x 15MW KHP	Unit- I	11.10	132kV KHP - Nangkhor Line	18.92	Unit- IV on Standby.
		Unit-II	11.14	132kV KHP - Kiltkhar Line	13.91	
		Unit- III	11.17	5MVA, 132/11kV TFR	0.20	
		Unit- IV	0.00	132kV Motanga - Rangia Line	8.43	
		Total	33.41	Auxiliary Consumption & Transformation Losses at Generator end	1.14%	
9	2 x 59MW NHP	Unit-I	0.00	132kV NHP-MHP-I	40.81	Unit-I under Shutdown. 132kV NHP-MHP line-II on Standby.
		Unit-II	41.25	132kV NHP-MHP-II	0.00	
		Total	41.25	Auxiliary Consumption & Transformation Losses at Generator end	1.07%	
10	2 x 9MW SHP	Unit- I	2.41	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: evacuation is through 33kV system.
		Unit- II	2.28	-	-	
		Total	4.69	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	

Note: Generation-Load Summary (MW) for 02-May-2025 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)	1,122.22	912.82	209.40

Note: Generation-Load Summary (MW) for 02-May-2024, 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)	921.75	886.93	34.82

Note: Daily Energy (MUs) and Power(MW) Statistics for 02-May-2025

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross-border (MW)
1	26.45	21.29	0.00	5.05	354.24

- The Instantaneous load balance,calculated as (Total generation - (Total export-Import) - Total domestic load), do not tend towards zero. This could be due to the following reasons:
 - Not all the meters are digital and now are 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.