



Note: Generation-Load Summary (MW) for 04-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)	967.73	912.14	55.59
Note: Generation-Load Summary (MW) for 04-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)	369.77	767.88	-398.11

THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 05-May-2025(-ve:import, +ve:export)						
Report	Date	Time	National Coincidental Peak Load (MW)		Date	Time
Details	May 4, 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	28.20	Unit-I, II & III under shutdown for Penstock Cleaning. 400kV THP-SIL Line II & IV on Standby.
		Unit- II	0.00	400kV THP - Siliguri Line - II	0.00	
		Unit- III	0.00	400kV THP - Siliguri Line - IV	0.00	
		Unit- IV	126.95	400kV THP - Malbase Line - III	262.58	
		Unit- V	60.28	400kV Malbase - Siliguri Line	-24.00	
		Unit- VI	104.32	-	-	
		Total	291.55	Auxiliary Consumption & Transformation Losses at Generator end	0.26%	
2	4 x 180MW MHP	Unit-I	109.79	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	71.50	400kV MHP - Jigmeling Line - III	123.91	
		Unit-IV	84.79	400kV MHP - Jigmeling Line - IV	123.33	
		-	-	132kV MHP - Yurmo Line - I	0.00	
		-	-	132kV MHP - Yurmo Line - II	62.90	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	200.45	
		-	-	400kV Jigmeling - Alipurduar Line - I ; direct lines	133.82	
		-	-	400kV Jigmeling - Alipurduar Line - II ;	132.36	
		-	-	80MVA, 220/132kV ICT - I (HV)	27.18	
		-	-	80MVA, 220/132kV ICT - II (HV)	26.96	
		-	-	220kV Tsirang - Jigmeling Line	-120.85	
		-	-	132kV Gelephu - Salakati Line	-12.89	
		Total	266.08	Auxiliary Consumption & Transformation Losses at Generator end	-0.02%	
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	234.00	
		Unit- III	185.00	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	235.00	Auxiliary Consumption & Transformation Losses at Generator end	0.43%	
4	4 x 84MW CHP	Unit- I	75.68	220kV CHP - Birpara Line - I	-49.60	Unit-IV under Shutdown . Unit-II under AMP.
		Unit- II	0.00	220kV CHP - Birpara Line - II	-49.40	
		Unit- III	69.85	220kV CHP - Gedu	8.73	
		Unit- IV	0.00	220kV CHP - Jamjee - I	75.39	
		-	-	220kV CHP - Jamjee - II	75.01	
		-	-	220kV CHP - Jamjee - III	72.56	
		-	-	220kV Malbase - Birpara Line	-45.00	
		-	-	66kV CHP - Gedu Line	7.50	
		-	-	3x3MVA, 66/11kV TFR	1.15	
		Total	145.53	Auxiliary Consumption & Transformation Losses at Generator end	2.88%	
5	2 x 12MW BHP (U/S)	Unit- I	3.10	220kV BHP - Semtokha Line	107.20	
		Unit- II	2.30	66kV BHP - Lobeysa Line	23.98	
		Total	5.40	220kV BHP - Tsirang Line	-116.19	
6	2 x 20MW BHP (L/S)	Unit- I	5.10	5MVA, 66/11kV TFR	0.51	
		Unit- II	4.90	30MVA ICT, 220/66kV (HV)	19.81	
		Total	10.00	Auxiliary Consumption & Transformation Losses at Generator end	-0.65%	
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	24.98	220kV DHP - Dagapela Line	24.76	
		-	-	220kV Jigmeling - Dagapela Line	25.33	
		-	-	5MVA, 220/33kV TFR	0.24	
		Total	24.98	Auxiliary Consumption & Transformation Losses at Generator end	-0.08%	
8	4 x 15MW KHP	Unit- I	0.00	132kV KHP - Nangkhor Line	20.63	Unit- I on Standby.
		Unit-II	12.09	132kV KHP - Kiltkhar Line	15.10	
		Unit- III	12.10	5MVA, 132/11kV TFR	0.22	
		Unit- IV	12.25	132kV Motanga - Rangia Line	12.59	
		Total	36.44	Auxiliary Consumption & Transformation Losses at Generator end	1.34%	
9	2 x 59MW NHP	Unit-I	0.00	132kV NHP-MHP-I	44.01	Unit-I under Shutdown. 132kV NHP-MHP line-II on Standby.
		Unit-II	44.78	132kV NHP-MHP-II	0.00	
		Total	44.78	Auxiliary Consumption & Transformation Losses at Generator end	1.72%	
10	2 x 9MW SHP	Unit- I	2.42	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: evacuation is through 33kV system.
		Unit- II	3.13	-	-	
		Total	5.55	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	

Note: Generation-Load Summary (MW) for 04-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)	1,065.31	939.23	126.08

Note: Generation-Load Summary (MW) for 04-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)	948.16	921.28	26.88

Note: Daily Energy (MUs) and Power(MW) Statistics for 04-May-2025

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross-border (MW)
1	25.21	21.54	0.00	3.61	321.88

- 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.