



Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	391.52	873.17	-481.65

THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 17-Apr-2025(-ve:import, +ve:export)							
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time	Load
	April 16, 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		0.00	Unit-IV under AMP. Unit-I & III under Shutdown Unit- II on Standby. 400kV THP-SIL Line I on Standby. 400kV THP-SIL Line IV under Shutdown .
		Unit- II	0.00	400kV THP - Siliguri Line - II		8.75	
		Unit- III	0.00	400kV THP - Siliguri Line - IV		0.00	
		Unit- IV	0.00	400kV THP - Malbase Line - III		271.55	
		Unit- V	139.59	400kV Malbase - Siliguri Line		-50.18	
		Unit- VI	139.99	-		-	
		Total	279.58	Auxiliary Consumption & Transformation Losses at Generator end		-0.26%	
2	4 x 180MW MHP	Unit-I	0.00	400kV MHP - Jigmeling Line - I		0.00	Unit II under AMP. Unit I on Standby. 400kV MHP-JLG Line I under shutdown & line I on standby. 132kV MHP-Yurmoo Line- I not in Service.
		Unit-II	0.00	400kV MHP - Jigmeling Line - II		0.00	
		Unit-III	150.43	400kV MHP - Jigmeling Line - III		90.12	
		Unit-IV	70.03	400kV MHP - Jigmeling Line - IV		89.59	
		-	-	132kV MHP - Yurmo Line - I		0.00	
		-	-	132kV MHP - Yurmo Line - II		62.35	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)		209.46	
		-	-	400kV Jigmeling - Alipurduar Line - I		120.73	
		-	-	400kV Jigmeling - Alipurduar Line - II		118.55	
		-	-	80MVA, 220/132kV ICT - I (HV)		0.07	
		-	-	80MVA, 220/132kV ICT - II (HV)		54.69	
		-	-	220kV Tsirang - Jigmeling Line		-114.21	
		-	-	132kV Gelephu - Salakati Line		-11.39	
		Total	220.46	Auxiliary Consumption & Transformation Losses at Generator end		-1.63%	
3	6 x 170MW PHP-II	Unit- I	0.00	400kV PHP II - Jigmeling -I		0.00	Unit-I on Standby 400kV PHP-II - Jigmeling Line-I on Standby.
		Unit- II	142.40	400kV PHP II - Jigmeling -II		281.39	
		Unit- III	139.50	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	281.90	Auxiliary Consumption & Transformation Losses at Generator end		0.18%	
4	4 x 84MW CHP	Unit- I	0.00	220kV CHP - Birpara Line - I		-58.37	Unit-II under AMP. Unit-I under Shutdown.
		Unit- II	0.00	220kV CHP - Birpara Line - II		-57.83	
		Unit- III	49.97	220kV CHP - Gedu		-4.23	
		Unit- IV	50.59	220kV CHP - Jamjee - I		73.07	
		-	-	220kV CHP - Jamjee - II		72.43	
		-	-	220kV CHP - Jamjee - III		70.07	
		-	-	220kV Malbase - Birpara Line		-49.41	
		-	-	66kV CHP - Gedu Line		5.72	
		-	-	3x3MVA, 66/11kV TFR		1.35	
		Total	100.56	Auxiliary Consumption & Transformation Losses at Generator end		-1.64%	
5	2 x 12MW BHP (U/S)	Unit- I	4.10	220kV BHP - Semtokha Line		113.70	U/S Unit-II & L/S Unit-II on Standby
		Unit- II	0.00	66kV BHP - Lobeysa Line		24.06	
6	2 x 20MW BHP (L/S)	Total	4.10	220kV BHP - Tsirang Line		-125.69	
		Unit- I	7.90	5MVA, 66/11kV TFR		0.22	
		Unit- II	0.00	30MVA ICT, 220/66kV (HV)		20.71	
		Total	7.90	Auxiliary Consumption & Transformation Losses at Generator end		-2.42%	
7	2 x 63MW DHP	Unit-I	0.00	220kV DHP - Tsirang Line		18.03	Unit-I on Standby. 220kV DHP-Dagapela line on Standby
		Unit-II	18.26	220kV DHP - Dagapela Line		0.00	
		-	-	220kV Jigmeling - Dagapela Line		51.56	
		-	-	5MVA, 220/33kV TFR		0.22	
		Total	18.26	Auxiliary Consumption & Transformation Losses at Generator end		0.05%	
8	4 x 15MW KHP	Unit- I	0.00	132kV KHP - Nangkhon Line		15.49	Unit- I & II on Standby.
		Unit-II	0.00	132kV KHP - Kilikhar Line		12.43	
		Unit- III	14.22	5MVA, 132/11kV TFR		0.25	
		Unit- IV	14.14	132kV Motanga - Rangla Line		4.93	
		Total	28.36	Auxiliary Consumption & Transformation Losses at Generator end		0.67%	
9	2 x 59MW NHP	Unit-I	0.00	132kV NHP-MHP-I		18.00	Unit-I on Standby. 132kV NHP-MHP line-II on Standby.
		Unit-II	18.05	132kV NHP-MHP-II		0.00	
		Total	18.05	Auxiliary Consumption & Transformation Losses at Generator end		0.28%	
10	2 x 9MW SHP	Unit- I	0.00	66kV SHP-Damdhum (Samtse)		0.00	Unit I under Shutdown Interim measure: evacuation is through the 33kV system. Unit-I under breakdown.
		Unit- II	3.40	-		-	
		Total	3.40	Auxiliary Consumption & Transformation Losses at Generator end		100.00%	
Note: Generation-Load Summary (MW) for 16-Apr-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)	962.57		936.79		25.78	
Note: Generation-Load Summary (MW) for 16-Apr-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)	355.57		892.88		-537.31	
Note: Daily Energy (MUs) and Power(MW) Statistics for 16-Apr-2025							
Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)		Net Energy Export	Peak Cross-border (MW)	
1	17.03	21.90	5.95		0.38	-603.06	

1. 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:

- i) Not all the meters are digital and nor 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.
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.