



Note: Generation-Load Summary (MW) for 29-Apr-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)	876.97	845.08	31.89

Note: Generation-Load Summary (MW) for 29-Apr-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)	580.28	866.13	-285.85

THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 30-Apr-2025(-ve:import, +ve:export)						
Report	Date	Time	National Coincidental Peak Load (MW)		Date	Time
Details	April 29, 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	19.20	Unit-IV under AMP. Unit-I on Standby. Unit-II & III under Shutdown. 400kV THP-SIL Line II on Standby. 400kV THP-SIL Line IV under AMP.
		Unit- II	0.00	400kV THP - Siliguri Line - II	0.00	
		Unit- III	0.00	400kV THP - Siliguri Line - IV	0.00	
		Unit- IV	0.00	400kV THP - Malbase Line - III	246.53	
		Unit- V	140.57	400kV Malbase - Siliguri Line	-30.01	
		Unit- VI	124.61	-	-	
		Total	265.18	Auxiliary Consumption & Transformation Losses at Generator end	-0.21%	
2	4 x 180MW MHP	Unit-I	144.33	400kV MHP - Jigmeling Line - I	0.00	Unit-II under AMP. Unit III on Standby. 400kV MHP-JLG line-I on Standby. 400kV MHP-JLG line-II under ROW. 132kV MHP_Yurmoo Line-I not in Service.
		Unit-II	0.00	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	0.00	400kV MHP - Jigmeling Line - III	67.27	
		Unit-IV	55.79	400kV MHP - Jigmeling Line - IV	66.54	
		-	-	132kV MHP - Yurmoo Line - I	0.00	
		-	-	132kV MHP - Yurmoo Line - II	94.90	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	165.82	
		-	-	400kV Jigmeling - Alipurduar Line - I ; direct lines	96.00	
		-	-	400kV Jigmeling - Alipurduar Line - II ;	95.27	
		-	-	80MVA, 220/132kV ICT - I (HV)	-13.16	
		-	-	80MVA, 220/132kV ICT - II (HV)	-6.06	
		-	-	220kV Tsirang - Jigmeling Line	-120.41	
		-	-	132kV Gelephu - Salakati Line	-2.73	
		Total	200.12	Auxiliary Consumption & Transformation Losses at Generator end	-0.28%	
3	6 x 170MW PHP-II	Unit- I	49.67	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	229.50	
		Unit- III	179.99	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	229.66	Auxiliary Consumption & Transformation Losses at Generator end	0.07%	
4	4 x 84MW CHP	Unit- I	64.97	220kV CHP - Birpara Line - I	-55.90	Unit-IV under Shutdown Unit-II under AMP.
		Unit- II	0.00	220kV CHP - Birpara Line - II	-55.80	
		Unit- III	65.86	220kV CHP - Gedu	-8.50	
		Unit- IV	0.00	220kV CHP - Jamjee - I	82.12	
		-	-	220kV CHP - Jamjee - II	81.87	
		-	-	220kV CHP - Jamjee - III	78.72	
		-	-	220kV Malbase - Birpara Line	-43.84	
		-	-	66kV CHP - Gedu Line	7.04	
		-	-	3x3MVA, 66/11kV TFR	1.35	
		Total	130.83	Auxiliary Consumption & Transformation Losses at Generator end	-0.05%	
5	2 x 12MW BHP (U/S)	Unit- I	4.90	220kV BHP - Semtokha Line	105.20	U/S Unit-II & L/S Unit-II on Standby
		Unit- II	0.00	66kV BHP - Lobeysa Line	25.49	
		Total	4.90	220kV BHP - Tsirang Line	-117.91	
					0.56	
6	2 x 20MW BHP (L/S)	Unit- I	8.50	5MVA, 66/11kV TFR	21.41	
		Unit- II	0.00	30MVA ICT, 220/66kV (HV)		
		Total	8.50	Auxiliary Consumption & Transformation Losses at Generator end	0.45%	
7	2 x 63MW DHP	Unit-I	0.00	220kV DHP - Tsirang Line	0.00	Unit-I on Standby. 220kV DHP-Tsirang line under Shutdown.
		Unit-II	18.99	220kV DHP - Dagapela Line	18.71	
		-	-	220kV Jigmeling - Dagapela Line	-15.33	
		-	-	5MVA, 220/33kV TFR		
8	4 x 15MW KHP	Total	18.99	Auxiliary Consumption & Transformation Losses at Generator end	1.47%	Unit- I & Unit II on Standby.
		Unit- I	0.00	132kV KHP - Nangkhon Line	16.35	
		Unit-II	0.00	132kV KHP - Kiltkhar Line	13.53	
		Unit- III	15.21	5MVA, 132/11kV TFR	0.32	
9	2 x 59MW NHP	Unit- IV	15.24	132kV Motanga - Rangia Line	12.90	Unit- I & Unit II on Standby.
		Total	30.45	Auxiliary Consumption & Transformation Losses at Generator end	0.82%	
		Unit-I	0.00	132kV NHP-MHP-I	28.03	
		Unit-II	28.23	132kV NHP-MHP-II	0.00	
10	2 x 9MW SHP	Total	28.23	Auxiliary Consumption & Transformation Losses at Generator end	0.71%	Unit-I under Shutdown. 132kV NHP-MHP line-II under AMP.
		Unit- I	4.49	66kV SHP-Damdhum (Samtse)	0.00	
		Unit- II	0.00	-	-	
		Total	4.49	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	

Note: Generation-Load Summary (MW) for 29-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)	921.35	886.26	35.09

Note: Generation-Load Summary (MW) for 29-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)	650.15	865.52	-215.37

Note: Daily Energy (MUs) and Power(MW) Statistics for 29-Apr-2025

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross-border (MW)
1	21.50	20.53	0.02	0.93	83.50

- 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.