



Note: Generation-Load Summary (MW) for 27-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)	985.38	840.40	144.98

Note: Generation-Load Summary (MW) for 27-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)	448.11	842.67	-394.56

THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 28-Apr-2025(-ve:import, +ve:export)							
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time	Load
	April 27, 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-II under Shutdown Unit- I and V 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	24.00		
		Unit- III	150.41	400kV THP - Siliguri Line - IV	0.00		
		Unit- IV	0.00	400kV THP - Malbase Line - III	265.72		
		Unit- V	0.00	400kV Malbase - Siliguri Line	-28.29		
		Unit- VI	139.29	-	-		
		Total	289.70	Auxiliary Consumption & Transformation Losses at Generator end	-0.01%		
2	4 x 180MW MHP	Unit-I	80.80	400kV MHP - Jigmeling Line - I	0.00	Unit-II under AMP. 400kV MHP-JLG line-I on Standby. 400kV MHP-JLG line-II under ROW. 400kV MHP-JLG line-III tripped at 16:28hrs. 132kV MHP_Yurmoo Line- I not in Service. 132kV MHP_Yurmoo Line- II tripped at 16:28hrs.	
		Unit-II	0.00	400kV MHP - Jigmeling Line - II	0.00		
		Unit-III	81.29	400kV MHP - Jigmeling Line - III	0.00		
		Unit-IV	89.98	400kV MHP - Jigmeling Line - IV	251.01		
		-	-	132kV MHP - Yurmo Line - I	0.00		
		-	-	132kV MHP - Yurmo Line - II	0.00		
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	220.73		
		-	-	400kV Jigmeling - Alipurduar Line - I	106.91		
		-	-	400kV Jigmeling - Alipurduar Line - II	106.18		
		-	-	80MVA, 220/132kV ICT - I (HV)	-35.21		
		-	-	80MVA, 220/132kV ICT - II (HV)	-34.90		
		-	-	220kV Tsirang - Jigmeling Line	-113.68		
		-	-	132kV Gelephu - Salakati Line	-20.86		
		Total	252.07	Auxiliary Consumption & Transformation Losses at Generator end	0.42%		
3	6 x 170MW PHP-II	Unit- I	0.00	400kV PHP II - Jigmeling -I	0.00	Unit-I on Standby. Unit-II tripped at 16:28hrs. 400kV PHP-II - Jigmeling Line-I on Standby.	
		Unit- II	0.00	400kV PHP II - Jigmeling -II	186.45		
		Unit- III	186.80	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	186.80	Auxiliary Consumption & Transformation Losses at Generator end	0.19%		
4	4 x 84MW CHP	Unit- I	55.87	220kV CHP - Birpara Line - I	-57.00	Unit-IV under Shutdown Unit-II under AMP.	
		Unit- II	0.00	220kV CHP - Birpara Line - II	-56.60		
		Unit- III	54.98	220kV CHP - Gedu	-18.70		
		Unit- IV	0.00	220kV CHP - Jamjee - I	79.46		
		-	-	220kV CHP - Jamjee - II	78.90		
		-	-	220kV CHP - Jamjee - III	76.19		
		-	-	220kV Malbase - Birpara Line	-36.28		
		-	-	66kV CHP - Gedu Line	7.66		
		-	-	3x3MVA, 66/11kV TFR	1.49		
		Total	110.85	Auxiliary Consumption & Transformation Losses at Generator end	-0.50%		
5	2 x 12MW BHP (U/S)	Unit- I	4.21	220kV BHP - Semtokha Line	98.00	U/S Unit-II & L/S Unit-II on Standby	
		Unit- II	0.00	66kV BHP - Lobeysa Line	23.86		
		Total	4.21	220kV BHP - Tsirang Line	-110.29		
	2 x 20MW BHP (L/S)	Unit- I	7.88	5MVA, 66/11kV TFR	0.46		
		Unit- II	0.00	30MVA ICT, 220/66kV (HV)	20.68		
6	2 x 63MW DHP	Total	7.88	Auxiliary Consumption & Transformation Losses at Generator end	0.50%		
		Unit-I	14.33	220kV DHP - Tsirang Line	0.00	Unit-II on Standby. 220kV DHP-Tsirang line under Shutdown.	
		Unit-II	0.00	220kV DHP - Dagapela Line	14.12		
		-	-	220kV Jigmeling - Dagapela Line	51.56		
		-	-	5MVA, 220/33kV TFR	0.20		
Total	14.33	Auxiliary Consumption & Transformation Losses at Generator end	0.07%				
7	4 x 15MW KHP	Unit- I	0.00	132kV KHP - Nangkhor Line	22.92	Unit- I on Standby.	
		Unit-II	12.18	132kV KHP - Kilikhar Line	13.06		
		Unit- III	12.22	5MVA, 132/11kV TFR	0.33		
		Unit- IV	12.22	132kV Motanga - Rangia Line	-7.10		
		Total	36.62	Auxiliary Consumption & Transformation Losses at Generator end	0.85%		
8	2 x 59MW NHP	Unit-I	0.00	132kV NHP-MHP-I	0.00	Unit-I under Shutdown. 132kV NHP-MHP line-II under AMP. Unit-II and 132kV NHP-MHP line-I tripped at 16:28hrs.	
		Unit-II	0.00	132kV NHP-MHP-II	0.00		
		Total	0.00	Auxiliary Consumption & Transformation Losses at Generator end	0.00%		
9	2 x 9MW SHP	Unit- I	0.00	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: evacuation is through 33kV system. Unit-I under Breakdown. Unit-II tripped at 09:31hrs.	
		Unit- II	0.00	-	-		
		Total	0.00	Auxiliary Consumption & Transformation Losses at Generator end	0.00%		
Note: Generation-Load Summary (MW) for 27-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)	902.46	871.50		30.96		
Note: Generation-Load Summary (MW) for 27-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)	573.21	878.60		-305.39		
Note: Daily Energy (MUs) and Power(MW) Statistics for 27-Apr-2025							
Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross-border (MW)		
1	21.64	20.37	0.15	1.36	-109.74		

- 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.