



Note: Generation-Load Summary (MW) for 24-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)	1, 015.48	875.94	139.54

Note: Generation-Load Summary (MW) for 24-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)	746.95	892.56	-145.61

THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 25-Apr-2025(-ve:import, +ve:export)						
Report	Date	Time	National Coincidental Peak Load (MW)		Date	Time
Details	April 24, 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 & II under shutdown. 400kV THP-SIL Line I on Standby. 400kV THP-SIL Line IV under Shutdown .
		Unit- II	0.00	400kV THP - Siliguri Line - II	-14.67	
		Unit- III	64.32	400kV THP - Siliguri Line - IV	0.00	
		Unit- IV	0.00	400kV THP - Malbase Line - III	205.51	
		Unit- V	64.56	400kV Malbase - Siliguri Line	-58.10	
		Unit- VI	61.95	-	-	
		Total	190.83	Auxiliary Consumption & Transformation Losses at Generator end	-0.01%	
2	4 x 180MW MHP	Unit-I	131.17	400kV MHP - Jigmeling Line - I	0.00	Unit-II under AMP. 400kV MHP-JLG line-I & IV on Standby. 132kV MHP_Yurmoo Line- I not in Service. 400kV Jigmeling-Alipurduar Line II under shutdown
		Unit-II	0.00	400kV MHP - Jigmeling Line - II	98.29	
		Unit-III	56.06	400kV MHP - Jigmeling Line - III	99.05	
		Unit-IV	46.06	400kV MHP - Jigmeling Line - IV	0.00	
		-	-	132kV MHP - Yurmo Line - I	0.00	
		-	-	132kV MHP - Yurmo Line - II	61.59	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	235.81	
		-	-	400kV Jigmeling - Alipurduar Line - I ; direct lines	266.18	
		-	-	400kV Jigmeling - Alipurduar Line - II ;	0.00	
		-	-	80MVA, 220/132kV ICT - I (HV)	21.27	
		-	-	80MVA, 220/132kV ICT - II (HV)	21.00	
		-	-	220kV Tsirang - Jigmeling Line	-143.21	
		-	-	132kV Gelephu - Salakati Line	-4.90	
		Total	233.29	Auxiliary Consumption & Transformation Losses at Generator end	0.93%	
3	6 x 170MW PHP-II	Unit- I	0.00	400kV PHP II - Jigmeling -I	0.00	Unit-I tripped at 15:58hrs. 400kV PHP-II - Jigmeling Line-I on Standby.
		Unit- II	169.90	400kV PHP II - Jigmeling -II	308.71	
		Unit- III	139.20	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	309.10	Auxiliary Consumption & Transformation Losses at Generator end	0.13%	
4	4 x 84MW CHP	Unit- I	45.08	220kV CHP - Birpara Line - I	-53.06	Unit-II Under Shutdown Unit-IV under AMP.
		Unit- II	0.00	220kV CHP - Birpara Line - II	-52.58	
		Unit- III	46.02	220kV CHP - Gedu	16.54	
		Unit- IV	0.00	220kV CHP - Jamjee - I	58.88	
		-	-	220kV CHP - Jamjee - II	58.60	
		-	-	220kV CHP - Jamjee - III	56.56	
		-	-	220kV Malbase - Birpara Line	-57.00	
		-	-	66kV CHP - Gedu Line	6.16	
		-	-	3x3MVA, 66/11kV TFR	1.34	
		Total	91.10	Auxiliary Consumption & Transformation Losses at Generator end	-1.47%	
5	2 x 12MW BHP (U/S)	Unit- I	4.07	220kV BHP - Semtokha Line	141.89	U/S Unit-II & L/S Unit-II on Standby
		Unit- II	0.00	66kV BHP - Lobeysa Line	24.86	
		Total	4.07	220kV BHP - Tsirang Line	-155.00	
		Unit- I	8.12	5MVA, 66/11kV TFR	0.51	
6	2 x 20MW BHP (L/S)	Unit- II	0.00	30MVA ICT, 220/66kV (HV)	21.50	
		Total	8.12	Auxiliary Consumption & Transformation Losses at Generator end	-0.57%	
		Unit-I	16.61	220kV DHP - Tsirang Line	16.33	
		Unit-II	0.00	220kV DHP - Dagapela Line	0.00	
7	2 x 63MW DHP	-	-	220kV Jigmeling - Dagapela Line	49.91	Unit-II on Standby. 220kV DHP-Dagapela line on Standby
		-	-	5MVA, 220/33kV TFR	0.22	
		Total	16.61	Auxiliary Consumption & Transformation Losses at Generator end	0.36%	
		Unit- I	12.76	132kV KHP - Nangkhori Line	22.18	
8	4 x 15MW KHP	Unit-II	0.00	132kV KHP - Kiltikhar Line	15.62	Unit- II on Standby.
		Unit- III	12.76	5MVA, 132/11kV TFR	0.31	
		Unit- IV	12.83	132kV Motanga - Rangia Line	13.75	
		Total	38.35	Auxiliary Consumption & Transformation Losses at Generator end	0.63%	
9	2 x 59MW NHP	Unit-I	0.00	132kV NHP-MHP-I	27.82	Unit-I under Shutdown. 132kV NHP-MHP line-II under AMP.
		Unit-II	28.01	132kV NHP-MHP-II	0.00	
		Total	28.01	Auxiliary Consumption & Transformation Losses at Generator end	0.68%	
10	2 x 9MW SHP	Unit- I	0.00	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: evacuation is through 33kV system
		Unit- II	4.00	-	-	
		Total	4.00	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	

Note: Generation-Load Summary (MW) for 24-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)	923.48	883.86	39.62

Note: Generation-Load Summary (MW) for 24-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)	701.60	901.77	-200.17

Note: Daily Energy (MUs) and Power(MW) Statistics for 24-Apr-2025

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross-border (MW)
1	23.67	20.72	0.01	2.71	270.07

- 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.