



Note: Generation-Load Summary (MW) for 21-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)	798.91	915.66	-116.75

Note: Generation-Load Summary (MW) for 21-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)	984.63	893.02	91.61

THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 22-Apr-2025(-ve:import, +ve:export)						
Report	Date	Time	National Coincidental Peak Load (MW)		Date	Time
Details	April 21, 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 & III 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	1.90	
		Unit- III	0.00	400kV THP - Siliguri Line - IV	0.00	
		Unit- IV	0.00	400kV THP - Malbase Line - III	253.26	
		Unit- V	123.98	400kV Malbase - Siliguri Line	-51.00	
		Unit- VI	131.12	-	-	
		Total	255.10	Auxiliary Consumption & Transformation Losses at Generator end	-0.02%	
2	4 x 180MW MHP	Unit-I	149.72	400kV MHP - Jigmeling Line - I	0.00	Unit-II under AMP. Unit I on Standby 400kV MHP-JLG line-I & IV on Standby. 132kV MHP_Yurmoo Line- I not in Service.
		Unit-II	0.00	400kV MHP - Jigmeling Line - II	96.23	
		Unit-III	0.00	400kV MHP - Jigmeling Line - III	96.58	
		Unit-IV	81.86	400kV MHP - Jigmeling Line - IV	0.00	
		-	-	132kV MHP - Yurmo Line - I	0.00	
		-	-	132kV MHP - Yurmo Line - II	62.80	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	209.46	
		-	-	400kV Jigmeling - Alipurduar Line - I	130.18	
		-	-	400kV Jigmeling - Alipurduar Line - II	128.73	
		-	-	80MVA, 220/132kV ICT - I (HV)	27.10	
		-	-	80MVA, 220/132kV ICT - II (HV)	26.40	
		-	-	220kV Tsirang - Jigmeling Line	-110.11	
		-	-	132kV Gelephu - Salakati Line	-12.91	
		Total	231.58	Auxiliary Consumption & Transformation Losses at Generator end	0.33%	
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	141.16	400kV PHP II - Jigmeling -II	290.93	
		Unit- III	150.76	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	291.92	Auxiliary Consumption & Transformation Losses at Generator end	0.34%	
4	4 x 84MW CHP	Unit- I	50.85	220kV CHP - Birpara Line - I	-54.71	Unit-II Under Shutdown Unit-IV under AMP.
		Unit- II	0.00	220kV CHP - Birpara Line - II	-54.27	
		Unit- III	59.90	220kV CHP - Gedu	5.10	
		Unit- IV	0.00	220kV CHP - Jamjee - I	70.17	
		-	-	220kV CHP - Jamjee - II	69.97	
		-	-	220kV CHP - Jamjee - III	67.33	
		-	-	220kV Malbase - Birpara Line	-51.87	
		-	-	66kV CHP - Gedu Line	6.10	
		-	-	3x3MVA, 66/11kV TFR	1.53	
		Total	110.75	Auxiliary Consumption & Transformation Losses at Generator end	-0.42%	
5	2 x 12MW BHP (U/S)	Unit- I	4.45	220kV BHP - Semtokha Line	112.25	U/S Unit-II & L/S Unit-II on Standby
		Unit- II	0.00	66kV BHP - Lobeysa Line	23.75	
		Total	4.45	220kV BHP - Tsirang Line	-122.99	
		Unit- I	9.29	5MVA, 66/11kV TFR	0.47	
6	2 x 20MW BHP (L/S)	Unit- II	0.00	30MVA ICT, 220/66kV (HV)	20.06	
		Total	9.29	Auxiliary Consumption & Transformation Losses at Generator end	1.89%	
		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	51.56	Unit-II on Standby. 220kV DHP-Dagapela line on Standby
		-	-	5MVA, 220/33kV TFR	-	
		Total	16.61	Auxiliary Consumption & Transformation Losses at Generator end	1.69%	
		Unit- I	0.00	132kV KHP - Nangkhor Line	16.43	
8	4 x 15MW KHP	Unit-II	0.00	132kV KHP - Kiltkhar Line	13.48	Unit- I and II on Standby.
		Unit- III	15.26	5MVA, 132/11kV TFR	0.24	
		Unit- IV	15.22	132kV Motanga - Rangia Line	3.53	
		Total	30.48	Auxiliary Consumption & Transformation Losses at Generator end	1.08%	
9	2 x 59MW NHP	Unit-I	0.00	132kV NHP-MHP-I	24.80	Unit-I under Shutdown. 132kV NHP-MHP line-II under AMP.
		Unit-II	24.99	132kV NHP-MHP-II	0.00	
		Total	24.99	Auxiliary Consumption & Transformation Losses at Generator end	0.76%	
10	2 x 9MW SHP	Unit- I	0.00	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: evacuation is through 33kV system
		Unit- II	3.93	-	-	
		Total	3.93	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	

Note: Generation-Load Summary (MW) for 21-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)	979.10	939.52	39.58

Note: Generation-Load Summary (MW) for 21-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)	928.37	880.19	48.18

Note: Daily Energy (MUs) and Power(MW) Statistics for 21-Apr-2025

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross-border (MW)
1	22.11	21.76	1.19	1.44	-189.81

- 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.