



Note: Generation-Load Summary (MW) for 07-Jun-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)	1,796.17	893.44	902.73

Note: Generation-Load Summary (MW) for 07-Jun-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)	926.58	868.96	57.62

THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 08-Jun-2025(-ve:import, +ve:export)						
Report	Date	Time	National Coincidental Peak Load (MW)		Date	Time
Details	June 7, 2025	19:00:00			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	94.94	400kV THP - Siliguri Line - I	43.20	Unit-II & IV on Standby. 400kV THP-Siliguri Line -II on Standby.
		Unit- II	0.00	400kV THP - Siliguri Line - II	0.00	
		Unit- III	69.46	400kV THP - Siliguri Line - IV	38.62	
		Unit- IV	0.00	400kV THP - Malbase Line - III	298.98	
		Unit- V	77.61	400kV Malbase - Siliguri Line	-13.57	
		Unit- VI	139.21	-	-	
		Total	381.22	Auxiliary Consumption & Transformation Losses at Generator end	0.11%	
2	4 x 180MW MHP	Unit-I	75.32	400kV MHP - Jigmeling Line - I	138.56	400kV MHP-JLG line-II on Standby. 132kV MHP_Yurmoo Line- I not in Service.
		Unit-II	135.21	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	76.36	400kV MHP - Jigmeling Line - III	143.68	
		Unit-IV	135.49	400kV MHP - Jigmeling Line - IV	143.28	
		-	-	132kV MHP - Yurmo Line - I	0.00	
		-	-	132kV MHP - Yurmo Line - II	60.36	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	238.55	
		-	-	400kV Jigmeling - Alipurduar Line - I ; direct lines	357.82	
		-	-	400kV Jigmeling - Alipurduar Line - II ;	357.09	
		-	-	80MVA, 220/132kV ICT - I (HV)	-49.48	
		-	-	80MVA, 220/132kV ICT - II (HV)	-49.10	
		-	-	220kV Tsirang - Jigmeling Line	-0.98	
		-	-	132kV Gelephu - Salakati Line	20.14	
		Total	422.38	Auxiliary Consumption & Transformation Losses at Generator end	0.24%	
3	6 x 170MW PHP-II	Unit- I	0.00	400kV PHP II - Jigmeling -I	266.18	Unit-I under shutdown.
		Unit- II	186.74	400kV PHP II - Jigmeling -II	265.46	
		Unit- III	170.33	400kV PHP II - Alipurduar -I	0.00	
		Unit- IV	178.26	400kV PHP II - Alipurduar -II	0.00	
		Unit- V	0.00	-	-	
		Unit- VI	0.00	-	-	
		Total	535.33	Auxiliary Consumption & Transformation Losses at Generator end	0.69%	
4	4 x 84MW CHP	Unit- I	68.55	220kV CHP - Birpara Line - I	-22.57	Unit-IV under shutdown
		Unit- II	68.49	220kV CHP - Birpara Line - II	-22.41	
		Unit- III	68.73	220kV CHP - Gedu	45.76	
		Unit- IV	0.00	220kV CHP - Jamjee - I	65.73	
		-	-	220kV CHP - Jamjee - II	64.98	
		-	-	220kV CHP - Jamjee - III	63.03	
		-	-	220kV Malbase - Birpara Line	-32.14	
		-	-	66kV CHP - Gedu Line	7.48	
		-	-	3x3MVA, 66/11kV TFR	1.46	
		Total	205.77	Auxiliary Consumption & Transformation Losses at Generator end	1.12%	
5	2 x 12MW BHP (U/S)	Unit- I	4.49	220kV BHP - Semtokha Line	118.85	
		Unit- II	4.26	66kV BHP - Lobeysa Line	25.00	
		Total	8.75	220kV BHP - Tsirang Line	-122.03	
6	2 x 20MW BHP (L/S)	Unit- I	7.93	5MVA, 66/11kV TFR	0.52	
		Unit- II	5.06	30MVA ICT, 220/66kV (HV)	17.14	
		Total	12.99	Auxiliary Consumption & Transformation Losses at Generator end	-2.76%	
7	2 x 63MW DHP	Unit-I	36.33	220kV DHP - Tsirang Line	0.00	Unit II on Standby. 132kV DHP_Tsirang Line on Standby
		Unit-II	0.00	220kV DHP - Dagapela Line	36.06	
		-	-	220kV Jigmeling - Dagapela Line	13.20	
		-	-	5MVA, 220/33kV TFR	0.24	
		Total	36.33	Auxiliary Consumption & Transformation Losses at Generator end	0.08%	
8	4 x 15MW KHP	Unit- I	16.53	132kV KHP - Nangkhor Line	40.58	
		Unit-II	16.58	132kV KHP - Kilikhar Line	24.76	
		Unit- III	16.49	5MVA, 132/11kV TFR	0.31	
		Unit- IV	16.50	132kV Motanga - Rangia Line	42.75	
		Total	66.10	Auxiliary Consumption & Transformation Losses at Generator end	0.68%	
9	2 x 59MW NHP	Unit-I	25.02	132kV NHP-MHP-I	39.73	
		Unit-II	39.98	132kV NHP-MHP-II	24.78	
		Total	65.00	Auxiliary Consumption & Transformation Losses at Generator end	0.75%	
10	2 x 9MW SHP	Unit- I	0.00	66kV SHP-Damdhum (Samtse)	0.00	Unit-I tripped & unit II under shutdown Interim measure: evacuation is through 33kV system.
		Unit- II	0.00	-	-	
		Total	0.00	Auxiliary Consumption & Transformation Losses at Generator end	0.00%	

Note: Generation-Load Summary (MW) for 07-Jun-2025 at 19:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	1,733.87	964.94	768.93

Note: Generation-Load Summary (MW) for 07-Jun-2024, at 19:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	768.19	723.65	44.54

Note: Daily Energy (MUs) and Power(MW) Statistics for 07-Jun-2025

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross-border (MW)
1	45.21	22.41	0.00	22.92	1,155.86

- 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.