



Note: Generation-Load Summary (MW) for 25-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)	3,361.72	938.60	2,423.12

Note: Generation-Load Summary (MW) for 25-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)	2,287.99	848.70	1,439.29

THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 26-Jun-2025(-ve:import, +ve:export)						
Report	Date	Time	National Coincidental Peak Load (MW)		Date	Time
Details	June 25, 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	185.40	400kV THP - Siliguri Line - I	284.33	400kV Malbase_Siligurin Line under shutdown.
		Unit- II	185.71	400kV THP - Siliguri Line - II	282.68	
		Unit- III	185.47	400kV THP - Siliguri Line - IV	273.95	
		Unit- IV	185.71	400kV THP - Malbase Line - III	274.81	
		Unit- V	184.63	400kV Malbase - Siliguri Line	0.00	
		Unit- VI	186.14	-	-	
		Total	1,113.06	Auxiliary Consumption & Transformation Losses at Generator end	-0.24%	
2	4 x 180MW MHP	Unit-I	197.82	400kV MHP - Jigmeling Line - I	276.24	400kV MHP-JLG line- II on Standby. 132kV MHP_Yurmoo Line- I not in Service.
		Unit-II	198.00	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	191.72	400kV MHP - Jigmeling Line - III	285.71	
		Unit-IV	195.29	400kV MHP - Jigmeling Line - IV	285.58	
		-	-	132kV MHP - Yurmo Line - I	0.00	
		-	-	132kV MHP - Yurmo Line - II	43.43	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	248.00	
		-	-	400kV Jigmeling - Alipurduar Line - I	662.55	
		-	-	400kV Jigmeling - Alipurduar Line - II	663.27	
		-	-	80MVA, 220/132kV ICT - I (HV)	-67.19	
		-	-	80MVA, 220/132kV ICT - II (HV)	-66.64	
		-	-	220kV Jigmeling Line - BitDeer	58.00	
		-	-	132kV Gelephu - Salakati Line	48.80	
		Total	782.83	Auxiliary Consumption & Transformation Losses at Generator end	2.66%	
3	6 x 170MW PHP-II	Unit- I	188.43	400kV PHP II - Jigmeling -I	368.73	erstwhile interim lines
		Unit- II	187.26	400kV PHP II - Jigmeling -II	368.00	
		Unit- III	187.23	400kV PHP II - Alipurduar -I	0.00	
		Unit- IV	187.51	400kV PHP II - Alipurduar -II	0.00	
		Unit- V	0.00	-	-	
		Unit- VI	0.00	-	-	
		Total	750.43	Auxiliary Consumption & Transformation Losses at Generator end	1.83%	
4	4 x 84MW CHP	Unit- I	91.25	220kV CHP - Birpara Line - I	48.43	
		Unit- II	91.35	220kV CHP - Birpara Line - II	47.52	
		Unit- III	91.38	220kV CHP - Gedu	115.80	
		Unit- IV	90.76	220kV CHP - Jamjee - I	47.90	
		-	-	220kV CHP - Jamjee - II	47.71	
		-	-	220kV CHP - Jamjee - III	46.25	
		-	-	220kV Malbase - Birpara Line	32.31	
		-	-	66kV CHP - Gedu Line	8.47	
		-	-	3x3MVA, 66/11kV TFR	1.35	
		Total	364.74	Auxiliary Consumption & Transformation Losses at Generator end	0.36%	
5	2 x 12MW BHP (U/S)	Unit- I	9.55	220kV BHP - Semtokha Line	155.18	
		Unit- II	10.00	66kV BHP - Lobeysa Line	27.34	
		Total	19.55	220kV BHP - Tsirang Line	-131.07	
6	2 x 20MW BHP (L/S)	Unit- I	15.94	5MVA, 66/11kV TFR	0.58	
		Unit- II	15.73	30MVA ICT, 220/66kV (HV)	8.66	
		Total	31.67	Auxiliary Consumption & Transformation Losses at Generator end	-1.58%	
7	2 x 63MW DHP	Unit-I	36.37	220kV DHP - Tsirang Line	71.94	220kV DHP-DAG line on Standby.
		Unit-II	36.00	220kV DHP - Dagapela Line	0.00	
		-	-	220kV BitDeer - Dagapela Line	48.01	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	72.37	Auxiliary Consumption & Transformation Losses at Generator end	0.32%	
8	4 x 15MW KHP	Unit- I	16.45	132kV KHP - Nangkhori Line	41.52	
		Unit-II	16.45	132kV KHP - Kilikhar Line	23.81	
		Unit- III	16.58	5MVA, 132/11kV TFR	0.34	
		Unit- IV	16.68	132kV Motanga - Rangia Line	48.60	
		Total	66.16	Auxiliary Consumption & Transformation Losses at Generator end	0.74%	
9	2 x 59MW NHP	Unit-I	64.86	132kV NHP-MHP-I	64.43	
		Unit-II	64.88	132kV NHP-MHP-II	64.49	
		Total	129.74	Auxiliary Consumption & Transformation Losses at Generator end	0.63%	
10	2 x 9MW SHP	Unit- I	4.90	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: evacuation is through 33kV system.
		Unit- II	5.10	-	-	
		Total	10.00	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	

Note: Generation-Load Summary (MW) for 25-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)	3,340.55	948.11	2,392.44

Note: Generation-Load Summary (MW) for 25-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)	2,410.38	869.70	1,540.68

Note: Daily Energy (MUs) and Power(MW) Statistics for 25-Jun-2025

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross-border (MW)
1	80.49	21.84	0.00	58.49	2,505.06

- 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.