



Note: Generation-Load Summary (MW) for 19-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)	3,391.26	949.06	2,442.20

Note: Generation-Load Summary (MW) for 19-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)	1,698.24	860.84	827.90

THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 20-Jun-2025(-ve:import, +ve:export)						
Report	Date	Time	National Coincidental Peak Load (MW)		Date	Time
Details	June 19, 2025	19:00:00			25-Dec-2024	18:36
						Load
						1026.44
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	6 x 170MW THP	Unit- I	185.57	400kV THP - Siliguri Line - I	230.31	
		Unit- II	186.08	400kV THP - Siliguri Line - II	229.60	
		Unit- III	185.71	400kV THP - Siliguri Line - IV	220.61	
		Unit- IV	186.07	400kV THP - Malbase Line - III	439.53	
		Unit- V	184.77	400kV Malbase - Siliguri Line	166.92	
		Unit- VI	185.61	-	-	
		Total	1,113.81	Auxiliary Consumption & Transformation Losses at Generator end	-0.56%	
2	4 x 180MW MHP	Unit-I	197.70	400kV MHP - Jigmeling Line - I	283.52	400kV MHP-JLG line- IV on Standby. 132kV MHP_Yurmoo Line- I not in Service. 220kV Tsirang-Jigmeling Line kept open for Shutdown of 220kV Jigmeling-Dagapela Line.
		Unit-II	198.24	400kV MHP - Jigmeling Line - II	284.72	
		Unit-III	191.79	400kV MHP - Jigmeling Line - III	277.06	
		Unit-IV	194.39	400kV MHP - Jigmeling Line - IV	0.00	
		-	-	132kV MHP - Yurmo Line - I	0.00	
		-	-	132kV MHP - Yurmo Line - II	63.24	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	150.55	
		-	-	400kV Jigmeling - Alipurdur Line - I	711.27	
		-	-	400kV Jigmeling - Alipurdur Line - II	711.27	
		-	-	80MVA, 220/132kV ICT - I (HV)	-75.38	
		-	-	80MVA, 220/132kV ICT - II (HV)	-74.83	
		-	-	220kV Tsirang - Jigmeling Line	0.00	
		-	-	132kV Gelephu - Salakati Line	52.54	
		Total	782.12	Auxiliary Consumption & Transformation Losses at Generator end	0.33%	
3	6 x 170MW PHP-II	Unit- I	186.91	400kV PHP II - Jigmeling -I	368.00	
		Unit- II	186.31	400kV PHP II - Jigmeling -II	366.55	
		Unit- III	186.12	400kV PHP II - Alipurdur -I	0.00	
		Unit- IV	186.14	400kV PHP II - Alipurdur -II	0.00	
		Unit- V	0.00	-	-	
		Unit- VI	0.00	-	-	
		Total	745.48	Auxiliary Consumption & Transformation Losses at Generator end	1.47%	
4	4 x 84MW CHP	Unit- I	91.38	220kV CHP - Birpara Line - I	25.91	
		Unit- II	91.27	220kV CHP - Birpara Line - II	25.76	
		Unit- III	91.10	220kV CHP - Gedu	107.47	
		Unit- IV	91.65	220kV CHP - Jamjee - I	65.82	
		-	-	220kV CHP - Jamjee - II	65.48	
		-	-	220kV CHP - Jamjee - III	62.81	
		-	-	220kV Malbase - Birpara Line	1.16	
		-	-	66kV CHP - Gedu Line	9.59	
		-	-	3x3MVA, 66/11kV TFR	1.37	
		Total	365.40	Auxiliary Consumption & Transformation Losses at Generator end	0.33%	
5	2 x 12MW BHP (U/S)	Unit- I	12.06	220kV BHP - Semtokha Line	110.64	
		Unit- II	12.00	66kV BHP - Lobeysa Line	29.23	
		Total	24.06	220kV BHP - Tsirang Line	-74.75	
6	2 x 20MW BHP (L/S)	Unit- I	20.65	5MVA, 66/11kV TFR	0.60	
		Unit- II	20.84	30MVA ICT, 220/66kV (HV)	6.38	
		Total	41.49	Auxiliary Consumption & Transformation Losses at Generator end	-0.26%	
7	2 x 63MW DHP	Unit-I	63.65	220kV DHP - Tsirang Line	75.00	220kV JLG-DAG line under Shutdown.
		Unit-II	63.20	220kV DHP - Dagapela Line	51.20	
		-	-	220kV Jigmeling - Dagapela Line	0.00	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	126.85	Auxiliary Consumption & Transformation Losses at Generator end	0.35%	
8	4 x 15MW KHP	Unit- I	16.25	132kV KHP - Nangkhor Line	40.21	
		Unit-II	16.54	132kV KHP - Kilikhar Line	24.76	
		Unit- III	16.45	5MVA, 132/11kV TFR	0.32	
		Unit- IV	16.42	132kV Motanga - Rangia Line	51.00	
		Total	65.66	Auxiliary Consumption & Transformation Losses at Generator end	0.56%	
9	2 x 59MW NHP	Unit-I	64.83	132kV NHP-MHP-I	64.48	
		Unit-II	65.00	132kV NHP-MHP-II	64.54	
		Total	129.83	Auxiliary Consumption & Transformation Losses at Generator end	0.62%	
10	2 x 9MW SHP	Unit- I	5.00	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: evacuation is through 33kV system.
		Unit- II	5.00	-	-	
		Total	10.00	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	

Note: Generation-Load Summary (MW) for 19-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)	3,404.70	978.35	2,426.35

Note: Generation-Load Summary (MW) for 19-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)	1,886.92	864.42	1,019.68

Note: Daily Energy (MUs) and Power(MW) Statistics for 19-Jun-2025

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross-border (MW)
1	79.62	22.45	0.00	57.00	2,496.11

- 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.