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Ministry of Energy and Natural Resources
Royal Government of Bhutan
Bhutan Power System Operator
Thimphu: Bhutan



THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 05-Jun-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	June 4, 2026	9:00 AM			08-Nov-25	19:03:00
						1,477.00
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	6 x 170 MW THP (Tala)	Unit-I	118.63	400kV THP - Siliguri Line - I	47.99	Unit-II & III on Standby All Feeders are in Service.
		Unit-II	0.00	400kV THP - Siliguri Line - II	46.82	
		Unit-III	0.00	400kV THP - Norbugang - IV	131.87	
		Unit-IV	130.47	400kV THP - Malbase Line - III	268.76	
		Unit-V	145.66	400kV Malbase - Siliguri Line	-5.15	
		Unit-VI	105.29	400kV Norbugang-Siliguri Line	-24.39	
		Total	500.05	Auxiliary Consumption & Transformation Losses at Generator end	0.92%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	179.40	400kV MHP - Jigmeling Line - I	195.76	400kV MHP-JLG line- II tripped and on Line-Patrolling. 132kV MHP-YUR & 132kV MHP-TIN line on ideal charged due to NHP total shutdown.
		Unit-II	164.53	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	77.08	400kV MHP - Jigmeling Line - III	203.22	
		Unit-IV	180.63	400kV MHP - Jigmeling Line - IV	203.22	
		-	-	220kV Jigmeling - BitDeer Line - I	164.59	
		-	-	220kV Jigmeling - BitDeer Line - II	150.85	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	447.64	
		-	-	400kV Jigmeling - Alipurdhar Line - I	191.27	
		-	-	400kV Jigmeling - Alipurdhar Line - II	190.55	
		-	-	80MVA, 220/132kV ICT - I (HV)	66.95	
		-	-	80MVA, 220/132kV ICT - II (HV)	66.39	
		-	-	132kV MHP - Yurmo Line - II	0.00	
		-	-	132kV MHP - Tintibi Line	0.00	
		-	-	132kV Gelephu - Salakati Line	-37.63	
		Total	601.64	Auxiliary Consumption & Transformation Losses at Generator end	-0.09%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	186.65	400kV PHP II - Jigmeling - I	117.98	Unit-VI & III under AMP.
		Unit-II	186.27	400kV PHP II - Jigmeling - II	116.98	
		Unit-III	0.00	400kV PHP II - Alipurdhar - I	255.18	
		Unit-IV	185.33	400kV PHP II - Alipurdhar - II	254.96	
		Unit-V	186.52	-	-	
		Unit-VI	0.00	-	-	
		Total	744.77	Auxiliary Consumption & Transformation Losses at Generator end	-0.04%	
4	4 x 84 MW CHP (Chukha)	Unit-I	79.56	220kV CHP - Birpara Line - I	-26.97	Unit-II under Shutdown.
		Unit-II	0.00	220kV CHP - Birpara Line - II	-26.70	
		Unit-III	79.78	220kV CHP - Gedu	32.26	
		Unit-IV	80.40	220kV CHP - Jamjee - I	85.91	
		-	-	220kV CHP - Jamjee - II	85.34	
		-	-	220kV CHP - Jamjee - III	82.47	
		-	-	220kV Malbase - Birpara Line	-28.32	
		-	-	66kV CHP - Gedu Line	6.70	
		Total	239.74	Auxiliary Consumption & Transformation Losses at Generator end	0.30%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	0.00	220kV BHP - Semtokha Line	51.84	U/S unit-I & L/S unit-II on Standby. All Feeders are in Service.
		Unit-II	7.06	66kV BHP - Lobeysa Line	18.82	
		Total	7.06	220kV BHP - Tsirang Line	-49.59	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	14.20	5MVA, 66/11kV TFR	0.31	
		Unit-II	0.00	30MVA ICT, 220/66kV (HV)	12.20	
		Total	14.20	Auxiliary Consumption & Transformation Losses at Generator end	-0.56%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	26.87	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby. Unit-II on Standby.
		Unit-II	0.00	220kV DHP - Dagapela Line	26.54	
		-	-	220kV BitDeer - Dagapela Line	22.87	
		-	-	5MVA, 220/33kV TFR	0.27	
		Total	26.87	Auxiliary Consumption & Transformation Losses at Generator end	0.22%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.46	132kV KHP - Nangkhor Line	52.95	Feeders are in Service.
		Unit-II	16.51	132kV KHP - Kilikhar Line	12.35	
		Unit-III	16.54	5MVA, 132/11kV TFR	0.43	
		Unit-IV	16.56	132kV Motanga - Rangja Line	15.33	
		Total	66.07	Auxiliary Consumption & Transformation Losses at Generator end	0.51%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	0.00	132kV NHP-MHP-I	0.00	Unit-I & Unit II under Shutdown. All Feeders are in Service.
		Unit-II	0.00	132kV NHP-MHP-II	0.00	
		Total	0.00	Auxiliary Consumption & Transformation Losses at Generator end	0.00%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	0.00	66kV SHP-Damdhum (Samtse)	0.00	Unit-I opened at 07:56hrs (33kV Feeder Shutdown). Unit II tripped at 20:39hrs on 03.06.2026 Interim measure: Evacuation is through 33kV
		Unit-II	0.00	-	-	
		Total	0.00	Auxiliary Consumption & Transformation Losses at Generator end	0.00%	
11	17.38 MWp SSP (Sephu Solar Plant)	Inverter-1	0.41	33kV SSP-Wangdue	2.07	All Inverters & Feeders are in Service.
		Inverter-2	0.83	33kV SSP-Trongsa	1.92	
		Inverter-3	0.84	-	-	
		Inverter-4	1.00	-	-	
		Inverter-5	0.92	-	-	
		Total	4.00	Auxiliary Consumption & Transformation Losses at Generator end	0.15%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	13.64	Unit I under shutdown.
		Unit-II	14.52	5MVA, 132/33kV TFR	0.66	
		Total	14.52	Auxiliary Consumption & Transformation Losses at Generator end	1.52%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	3.25	Test charge not yet done for Unit-I.
		Unit-II	27.48	132kV BSHP-Tintibi	23.94	
		Total	27.48	Auxiliary Consumption & Transformation Losses at Generator end	1.06%	

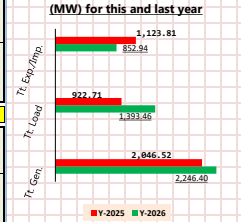
Note: Generation-Load Summary (MW) for 04-Jun-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,246.40	1,393.46	852.94

Note: Generation-Load Summary (MW) for 04-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)	2,046.52	922.71	1,123.81

09:00 hrs Statistical Comparison (MW) for this and last year



THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 05-Jun-2026(-ve:import,+ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	June 4, 2025	19:00:00			08-Nov-25	19:03:00
						1,477.00
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	6 x 170 MW THP (Tala)	Unit-I	155.53	400kV THP - Siliguri Line - I	67.00	Unit-III & Unit-II on Standby. All Feeders are in Service.
		Unit-II	0.00	400kV THP - Siliguri Line - II	65.93	
		Unit-III	0.00	400kV THP - Norbugang Line - IV	144.13	
		Unit-IV	130.48	400kV THP - Malbase Line - III	293.03	
		Unit-V	164.04	400kV Malbase - Siliguri Line	11.22	
		Unit-VI	125.25	400kV Norbugang-Siliguri Line	-11.67	
		Total	575.30	Auxiliary Consumption & Transformation Losses at Generator end	0.91%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	149.80	400kV MHP - Jigmeling Line - I	171.38	400kV MHP-JLG line- II tripped and on Line- Patrolling.
		Unit-II	163.04	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	62.10	400kV MHP - Jigmeling Line - III	177.94	
		Unit-IV	151.31	400kV MHP - Jigmeling Line - IV	177.81	
		-	-	220kV Jigmeling - BitDeer Line - I	176.29	
		-	-	220kV Jigmeling - BitDeer Line - II	161.06	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	452.00	
		-	-	400kV Jigmeling - Alipurdwar Line - I	166.55	
		-	-	400kV Jigmeling - Alipurdwar Line - II	165.82	
		-	-	80MVA, 220/132kV ICT - I (HV)	57.82	
		-	-	80MVA, 220/132kV ICT - II (HV)	57.19	
		-	-	132kV MHP - Yurno Line - II	59.20	
		-	-	132kV MHP - Tintibi Line	0.88	
		-	-	132kV Gelephu - Salakati Line	-31.67	
		Total	526.25	Auxiliary Consumption & Transformation Losses at Generator end	0.69%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	187.00	400kV PHP II - Jigmeling -I	133.40	Unit -III under AMP. Unit VI under AMP.
		Unit-II	183.50	400kV PHP II - Jigmeling -II	132.65	
		Unit-III	0.00	400kV PHP II - Alipurdwar -I	238.40	
		Unit-IV	187.00	400kV PHP II - Alipurdwar -II	238.29	
		Unit-V	186.97	-	-	
		Unit-VI	0.00	-	-	
		Total	744.47	Auxiliary Consumption & Transformation Losses at Generator end	0.23%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	79.56	220kV CHP - Birpara Line - I	-32.84	Unit-II under Shutdown. All Units & Feeders are in Service.
		Unit-II	0.00	220kV CHP - Birpara Line - II	-32.33	
		Unit-III	79.61	220kV CHP - Gedu	23.25	
		Unit-IV	80.45	220kV CHP - Jamjee - I	92.80	
		-	-	220kV CHP - Jamjee - II	92.24	
		-	-	220kV CHP - Jamjee - III	89.08	
		-	-	220kV Malbase - Birpara Line	-28.98	
		-	-	66kV CHP - Gedu Line	6.60	
		Total	239.62	Auxiliary Consumption & Transformation Losses at Generator end	0.34%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	0.00	220kV BHP - Sertokha Line	48.40	U/S Unit I and L/S Unit II on Standby.
		Unit-II	5.25	66kV BHP - Lobeysa Line	21.05	
6	2 x 20 MW BHP (L/S) (Basochhu)	Total	5.25	220kV BHP - Tsirang Line	-52.10	
		Unit-I	12.82	5MVA, 66/11kV TFR	0.62	
		Unit-II	0.00	30MVA ICT, 220/66kV (HV)	15.43	
		Total	12.82	Auxiliary Consumption & Transformation Losses at Generator end	0.55%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	25.87	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby. Unit-II on Standby.
		Unit-II	0.00	220kV DHP - Dagapela Line	25.60	
		-	-	220kV BitDeer - Dagapela Line	23.25	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	25.87	Auxiliary Consumption & Transformation Losses at Generator end	0.27%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.54	132kV KHP - Nangkor Line	50.89	All Units & Feeders are in Service.
		Unit-II	16.56	132kV KHP - Kilikhar Line	14.49	
		Unit-III	16.58	5MVA, 132/11kV TFR	0.49	
		Unit-IV	16.65	132kV Motanga - Rangla Line	32.12	
		Total	66.33	Auxiliary Consumption & Transformation Losses at Generator end	0.69%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	39.98	132kV NHP-MHP-I	32.29	Unit-II on standby Interim measure: Evacuation is through 33kV System.
		Unit-II	25.01	132kV NHP-MHP-II	32.28	
		Total	64.99	Auxiliary Consumption & Transformation Losses at Generator end	0.65%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	8.99	66kV SHP-Damdhum (Samtse)	0.00	Unit-II on standby Interim measure: Evacuation is through 33kV System.
		Unit-II	0.00	-	-	
		Total	8.99	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	14.46	Unit I on standby & Feeders are in Service.
		Unit-II	16.01	5MVA, 132/33kV TFR	1.31	
		Total	16.01	Auxiliary Consumption & Transformation Losses at Generator end	1.50%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	29.83	Test charge not yet done for Unit-I.
		Unit-II	27.49	132kV BSHP-Tintibi	-2.66	
		Total	27.49	Auxiliary Consumption & Transformation Losses at Generator end	1.16%	

Note: Generation-Load Summary (MW) for 04-Jun-2026 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)	2,313.39	1,465.55	847.84

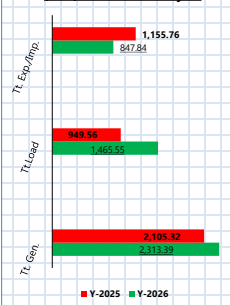
Note: Generation-Load Summary (MW) for 04-Jun-2025, at 19:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,105.32	949.56	1,155.76

Note: Daily Energy (MUS) and Power(MW) Statistics for 04-Jun-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	51.11	34.11	0.00	14.30	873.10

19:00 hrs Statistical Comparison
(MW) for this and last year



1. The Instantaneous load balance does not tend towards zero. This could be due to the following reasons:

- i) Not all the meters are digital and not 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.
2. 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.
3. When SCADA data are unavailable for certain stations due to technical issues, required data are collected from the site.