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 04-Jun-2026(-ve:import, +ve:export)

Report Details	Date	Time	National Coincidental Peak Load (MW)	Date	Time	Load
	June 3, 2026	9:00 AM		08-Nov-25	19:03:00	1,477.00

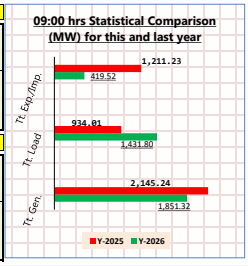
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	**6 x 170 MW THP** *(Tala)*	Unit- I	143.56	400kV THP - Siliguri Line - I	42.99	Unit-III & V on Standby All Feeders are in Service.
		Unit- II	130.88	400kV THP - Siliguri Line - II	41.88	
		Unit- III	0.00	400kV THP - Norbugang - IV	136.09	
		Unit- IV	120.48	400kV THP - Malbase Line - III	284.58	
		Unit- V	0.00	400kV Malbase - Siliguri Line	-14.27	
		Unit- VI	115.25	400kV Norbugang-Siliguri Line	-32.47	
		Total	**510.17**	**Auxiliary Consumption & Transformation Losses at Generator end**	**0.91%**	
2	**4 x 180 MW MHP** *(Mangdechhu)*	Unit-I	0.00	400kV MHP - Jigmeling Line - I	209.88	Unit-I on Standby 400kV MHP-JLG line- III on Standby. 400kV MHP-JLG line- II tripped and on Line-Patrolling..
		Unit-II	134.05	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	140.70	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	146.38	400kV MHP - Jigmeling Line - IV	211.12	
		-	-	220kV Jigmeling - BitDeer Line - I	168.65	
		-	-	220kV Jigmeling - BitDeer Line - II	153.87	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	429.46	
		-	-	400kV Jigmeling - Alipurduar Line - I	90.91	
		-	-	400kV Jigmeling - Alipurduar Line - II	89.46	
		-	-	80MVA, 220/132kV ICT - I (HV)	54.29	
		-	-	80MVA, 220/132kV ICT - II (HV)	53.79	
		-	-	132kV MHP - Yurmo Line - II	28.29	
				132kV MHP - Tintibi Line	28.90	
		-	-	132kV Gelephu - Salakati Line	-36.79	
		Total	**421.13**	**Auxiliary Consumption & Transformation Losses at Generator end**	**0.20%**	
3	**6 x 170 MW PHP-II** *(Punatsangchhu)*	Unit- I	165.00	400kV PHP II - Jigmeling -I	97.20	Unit-VI & III under AMP. Unit-V on Standby.
		Unit- II	160.33	400kV PHP II - Jigmeling -II	96.58	
		Unit- III	0.00	400kV PHP II - Alipurduar -I	140.90	
		Unit- IV	151.32	400kV PHP II - Alipurduar -II	141.43	
		Unit- V	0.00	-	-	
		Unit- VI	0.00	-	-	
		Total	**476.65**	**Auxiliary Consumption & Transformation Losses at Generator end**	**0.11%**	
4	**4 x 84 MW CHP** *(Chhukha)*	Unit- I	79.49	220kV CHP - Birpara Line - I	-27.30	Unit-II under Shutdown. Feeders are in Service.
		Unit- II	0.00	220kV CHP - Birpara Line - II	-26.97	
		Unit- III	79.60	220kV CHP - Gedu	18.79	
		Unit- IV	80.52	220kV CHP - Jamjee - I	90.45	
		-	-	220kV CHP - Jamjee - II	89.50	
		-	-	220kV CHP - Jamjee - III	86.57	
		-	-	220kV Malbase - Birpara Line	-17.81	
		-	-	66kV CHP - Gedu Line	6.83	
		Total	**239.61**	**Auxiliary Consumption & Transformation Losses at Generator end**	**0.73%**	
5	**2 x 12 MW BHP (U/S)** *(Basochhu)*	Unit- I	0.00	220kV BHP - Semtokha Line	28.08	U/S unit-I & L/S unit- II on Standby. All Feeders are in Service.
		Unit- II	5.90	66kV BHP - Lobeysa Line	16.93	
		Total	**5.90**	220kV BHP - Tsirang Line	-27.60	
6	**2 x 20 MW BHP (L/S)** *(Basochhu)*	Unit- I	11.90	5MVA, 66/11kV TFR	0.31	
		Unit- II	0.00	30MVA ICT, 220/66kV (HV)	10.71	
		Total	**11.90**	**Auxiliary Consumption & Transformation Losses at Generator end**	**0.45%**	
7	**2 x 63 MW DHP** *(Dagachhu)*	Unit-I	23.34	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby. Unit-II on Standby.
		Unit-II	0.00	220kV DHP - Dagapela Line	22.96	
		-	-	220kV BitDeer - Dagapela Line	26.39	
		-	-	5MVA, 220/33kV TFR	0.30	
		Total	**23.34**	**Auxiliary Consumption & Transformation Losses at Generator end**	**0.34%**	
8	**4 x 15 MW KHP** *(Kurichhu)*	Unit- I	12.56	132kV KHP - Nangkhor Line	39.92	Feeders are in Service.
		Unit-II	12.56	132kV KHP - Kilikhar Line	9.63	
		Unit- III	12.61	5MVA, 132/11kV TFR	0.33	
		Unit- IV	12.56	132kV Motanga - Rangia Line	27.56	
		Total	**50.29**	**Auxiliary Consumption & Transformation Losses at Generator end**	**0.82%**	
9	**2 x 59 MW NHP** *(Nikachhu)*	Unit-I	0.00	132kV NHP-MHP-I	0.32	Unit-I under Shutdown. All Feeders are in Service.
		Unit-II	58.03	132kV NHP-MHP-II	57.58	
		Total	**58.03**	**Auxiliary Consumption & Transformation Losses at Generator end**	**0.23%**	
10	**2 x 9 MW SHP** *(Suchhu)*	Unit- I	0.00	66kV SHP-Damdhum (Samtse)	0.00	Unit-I & II opened at 08:31hrs (33kV Feeder Shutdown) Interim measure: Evacuation is through 33kV System.
		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	2.15	33kV SSP-Wangdue	5.44	All Inverters & Feeders are in Service.
		Inverter-2	1.42	33kV SSP-Trongsa	7.07	
		Inverter-3	1.94	-	-	
		Inverter-4	4.25	-	-	
		Inverter-5	2.57	-	-	
		Total	**12.33**	**Auxiliary Consumption & Transformation Losses at Generator end**	**-1.46%**	
12	**2 x 16 MW YHP** *(Yungichhu)*	Unit- I	6.05	132kV YHP-Kilikhar	13.76	All Units & Feeders are in Service.
		Unit- II	8.51	5MVA, 132/33kV TFR	0.58	
		Total	**14.56**	**Auxiliary Consumption & Transformation Losses at Generator end**	**1.51%**	
13	**2 x 27 MW BSHP** *(Burgangchhu Small HP)*	Unit-I	0.00	132kV BSHP-Panbang	30.90	Test charge not yet done for Unit-I.
		Unit-II	27.41	132kV BSHP-Tintibi	-3.81	
		Total	**27.41**	**Auxiliary Consumption & Transformation Losses at Generator end**	**1.17%**	

Note: Generation-Load Summary (MW) for 03-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)	1,851.32	1,431.80	419.52

Note: Generation-Load Summary (MW) for 03-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)	2,145.24	934.01	1,211.23



THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 04-Jun-2026(-ve:import, +ve:export)

Report Details	Date	Time	National Coincidental Peak Load (MW)	Date	Time	Load
	June 3, 2026	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	118.64	400kV THP - Siliguri Line - I	14.67	Unit-III & Unit-V on Standby. All Feeders are in Service.
		Unit- II	0.00	400kV THP - Siliguri Line - II	13.79	
		Unit- III	0.00	400kV THP - Norbugang Line - IV	113.60	
		Unit- IV	50.50	400kV THP - Malbase Line - III	258.47	
		Unit- V	130.19	400kV Malbase - Siliguri Line	-39.36	
		Unit- VI	105.27	400kV Norbugang-Siliguri Line	-50.06	
		Total	404.60	**Auxiliary Consumption & Transformation Losses at Generator end**	1.01%	
2	**4 x 180 MW MHP** *(Mangdechhu)*	Unit-I	74.85	400kV MHP - Jigmeling Line - I	190.39	Unit I & II on standby. 400kV MHP-JLG line II & III under shutdown.
		Unit-II	160.21	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	0.00	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	146.61	400kV MHP - Jigmeling Line - IV	191.31	
		-	-	220kV Jigmeling - BitDeer Line - I	174.79	
		-	-	220kV Jigmeling - BitDeer Line - II	159.90	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	458.55	
		-	-	400kV Jigmeling - Alipurduar Line - I	120.00	
		-	-	400kV Jigmeling - Alipurduar Line - II	119.27	
		-	-	80MVA, 220/132kV ICT - I (HV)	61.89	
		-	-	80MVA, 220/132kV ICT - II (HV)	61.37	
		-	-	132kV MHP - Yurmo Line - II	22.32	
				132kV MHP - Tintibi Line	24.27	
		-	-	132kV Gelephu - Salakati Line	-44.56	
		Total	381.67	**Auxiliary Consumption & Transformation Losses at Generator end**	-0.54%	
3	**6 x 170 MW PHP-II** *(Punatsangchhu)*	Unit- I	175.00	400kV PHP II - Jigmeling -I	161.56	Unit -III & VI under AMP. Unit V on Standby.
		Unit- II	175.48	400kV PHP II - Jigmeling -II	160.73	
		Unit- III	0.00	400kV PHP II - Alipurduar -I	0.00	
		Unit- IV	167.89	400kV PHP II - Alipurduar -II	199.35	
		Unit- V	0.00	-	-	
		Unit- VI	0.00	-	-	
		Total	518.37	**Auxiliary Consumption & Transformation Losses at Generator end**	-0.63%	
4	**4 x 84 MW CHP** *(Chhukha)*	Unit- I	81.78	220kV CHP - Birpara Line - I	-41.88	Unit-II under Shutdown. All Units & Feeders are in Service.
		Unit- II	0.00	220kV CHP - Birpara Line - II	-41.78	
		Unit- III	70.07	220kV CHP - Gedu	-6.47	
		Unit- IV	39.28	220kV CHP - Jamjee - I	93.20	
		-	-	220kV CHP - Jamjee - II	92.36	
		-	-	220kV CHP - Jamjee - III	89.21	
		-	-	220kV Malbase - Birpara Line	-21.26	
		-	-	66kV CHP - Gedu Line	5.76	
		Total	191.13	**Auxiliary Consumption & Transformation Losses at Generator end**	0.38%	
5	**2 x 12 MW BHP (U/S)** *(Basochhu)*	Unit- I	0.00	220kV BHP - Semtokha Line	49.99	U/S Unit I and L/S Unit II on Standby.
		Unit- II	6.30	66kV BHP - Lobeysa Line	21.86	
		Total	6.30	220kV BHP - Tsirang Line	-53.91	
6	**2 x 20 MW BHP (L/S)** *(Basochhu)*	Unit- I	12.10	5MVA, 66/11kV TFR	0.70	
		Unit- II	0.00	30MVA ICT, 220/66kV (HV)	16.33	
		Total	12.10	**Auxiliary Consumption & Transformation Losses at Generator end**	-1.30%	
7	**2 x 63 MW DHP** *(Dagachhu)*	Unit-I	23.33	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby. Unit-II on Standby.
		Unit-II	0.00	220kV DHP - Dagapela Line	23.00	
		-	-	220kV BitDeer - Dagapela Line	26.73	
		-	-	5MVA, 220/33kV TFR	0.30	
		Total	23.33	**Auxiliary Consumption & Transformation Losses at Generator end**	0.13%	
8	**4 x 15 MW KHP** *(Kurichhu)*	Unit- I	15.08	132kV KHP - Nangkhor Line	44.90	All Units & Feeders are in Service.
		Unit-II	15.13	132kV KHP - Kilikhar Line	14.61	
		Unit- III	15.08	5MVA, 132/11kV TFR	0.41	
		Unit- IV	15.14	132kV Motanga - Rangia Line	27.68	
		Total	60.43	**Auxiliary Consumption & Transformation Losses at Generator end**	0.84%	
9	**2 x 59 MW NHP** *(Nikachhu)*	Unit-I	22.95	132kV NHP-MHP-I	22.75	Unit-II & 132kV NHP-MHP line II tripped at 16:11hrs.
		Unit-II	21.97	132kV NHP-MHP-II	21.82	
		Total	44.92	**Auxiliary Consumption & Transformation Losses at Generator end**	0.78%	
10	**2 x 9 MW SHP** *(Suchhu)*	Unit- I	5.08	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.
		Unit- II	5.02	-	-	
		Total	10.10	**Auxiliary Consumption & Transformation Losses at Generator end**	100.00%	
11	**2 x 16 MW YHP** *(Yungichhu)*	Unit-I	0.00	132kV YHP-Kilikhar	12.53	All Units & Feeders are in Service.
		Unit-II	14.11	5MVA, 132/33kV TFR	1.35	
		Total	14.11	**Auxiliary Consumption & Transformation Losses at Generator end**	1.63%	
12	**2 x 27 MW BSHP** *(Burgangchhu Small HP)*	Unit-I	0.00	132kV BSHP-Panbang	28.92	Test charge not yet done for Unit-I.
		Unit-II	27.49	132kV BSHP-Tintibi	-1.77	
		Total	27.49	**Auxiliary Consumption & Transformation Losses at Generator end**	1.24%	

Note: Generation-Load Summary (MW) for 03-Jun-2026 at 18:00 hrs

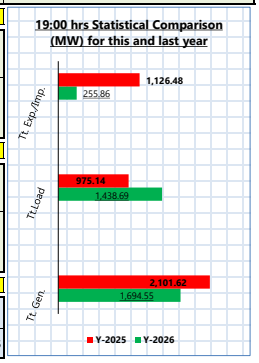
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	1,694.55	1,438.69	255.86

Note: Generation-Load Summary (MW) for 03-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)	2,101.62	975.14	1,126.48

Note: Daily Energy (MUs) and Power(MW) Statistics for 03-Jun-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross-border (MW)
1	42.77	34.08	0.00	8.69	442.15



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 nor 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.

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.