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 14-May-2026(-ve:import, +ve:export)

Report Details	Date	Time	National Coincidental Peak Load (MW)	Date	Time	Load
	May 13, 2026	9:00 AM		08-Nov-25	19:03:00	1,477.00

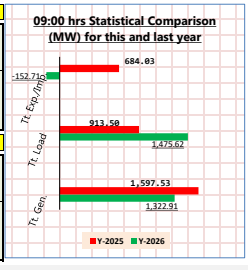
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	**6 x 170 MW THP** *(Tala)*	Unit- I	90.67	400kV THP - Siliguri Line - I	15.74	Unit-IV under Shutdown. Unit-V on Standby.
		Unit- II	118.32	400kV THP - Siliguri Line - II	14.85	
		Unit- III	100.06	400kV THP - Norbugang - IV	118.49	
		Unit- IV	0.00	400kV THP - Malbase Line - III	266.94	
		Unit- V	0.00	400kV Malbase - Siliguri Line	-41.52	
		Unit- VI	110.72	400kV Norbugang-Siliguri Line	-52.59	
		Total	**419.77**	**Auxiliary Consumption & Transformation Losses at Generator end**	**0.89%**	
2	**4 x 180 MW MHP** *(Mangdechhu)*	Unit-I	75.81	400kV MHP - Jigmeling Line - I	0.00	Unit IV under Shutdown and Unit III on Standby. 400kV MHP-JLG Line - I on Standby & 400kV MHP-JLG line under Shutdown. 4400kV JLG-ALI Line-I under Shutdown.
		Unit-II	135.16	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	0.00	400kV MHP - Jigmeling Line - III	105.61	
		Unit-IV	0.00	400kV MHP - Jigmeling Line - IV	105.59	
		-	-	220kV Jigmeling - BitDeer Line - I	194.31	
		-	-	220kV Jigmeling - BitDeer Line - II	158.37	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	440.00	
		-	-	400kV Jigmeling - Alipurduar Line - I	0.00	
		-	-	400kV Jigmeling - Alipurduar Line - II	-6.55	
		-	-	80MVA, 220/132kV ICT - I (HV)	44.59	
		-	-	80MVA, 220/132kV ICT - II (HV)	44.08	
		-	-	132kV MHP - Yurmo Line - II	19.91	
				132kV MHP - Tintibi Line	19.53	
		-	-	132kV Gelephu - Salakati Line	-48.98	
		Total	**210.97**	**Auxiliary Consumption & Transformation Losses at Generator end**	**0.05%**	
3	**6 x 170 MW PHP-II** *(Punatsangchhu)*	Unit- I	170.00	400kV PHP II - Jigmeling -I	113.96	Unit- V & VI under AMP. Unit- III & IV on Standby.
		Unit- II	160.75	400kV PHP II - Jigmeling -II	113.83	
		Unit- III	0.00	400kV PHP II - Alipurduar -I	51.06	
		Unit- IV	0.00	400kV PHP II - Alipurduar -II	51.59	
		Unit- V	0.00	-	-	
		Unit- VI	0.00	-	-	
		Total	**330.75**	**Auxiliary Consumption & Transformation Losses at Generator end**	**0.09%**	
4	**4 x 84 MW CHP** *(Chhukha)*	Unit- I	91.47	220kV CHP - Birpara Line - I	-52.80	Unit-II & III under Shutdown (Annual Maintenance).
		Unit- II	0.00	220kV CHP - Birpara Line - II	-52.50	
		Unit- III	0.00	220kV CHP - Gedu	-18.69	
		Unit- IV	91.48	220kV CHP - Jamjee - I	102.09	
		-	-	220kV CHP - Jamjee - II	101.38	
		-	-	220kV CHP - Jamjee - III	97.86	
		-	-	220kV Malbase - Birpara Line	-29.57	
		-	-	66kV CHP - Gedu Line	4.76	
		Total	**182.95**	**Auxiliary Consumption & Transformation Losses at Generator end**	**0.46%**	
5	**2 x 12 MW BHP (U/S)** *(Basochhu)*	Unit- I	0.00	220kV BHP - Semtokha Line	26.30	(U/S) Unit I on Standby.
		Unit- II	10.60	66kV BHP - Lobeysa Line	20.47	
		Total	**10.60**	220kV BHP - Tsirang Line	-11.52	
6	**2 x 20 MW BHP (L/S)** *(Basochhu)*	Unit- I	12.50	5MVA, 66/11kV TFR	0.38	
		Unit- II	12.80	30MVA ICT, 220/66kV (HV)	10.41	
		Total	**25.30**	**Auxiliary Consumption & Transformation Losses at Generator end**	**0.75%**	
7	**2 x 63 MW DHP** *(Dagachhu)*	Unit-I	0.00	220kV DHP - Tsirang Line	0.03	Total Plant Shutdown from 10:27 hrs (09.10.2025) due to Seepage in HRC . 220kV DHP-Dagapela under shutdown
		Unit-II	0.00	220kV DHP - Dagapela Line	0.00	
		-	-	220kV BitDeer - Dagapela Line	41.65	
		-	-	5MVA, 220/33kV TFR	0.03	
		Total	**0.00**	**Auxiliary Consumption & Transformation Losses at Generator end**	**0.00%**	
8	**4 x 15 MW KHP** *(Kurichhu)*	Unit- I	15.09	132kV KHP - Nangkhor Line	38.79	Unit-II on Standby.
		Unit-II	0.00	132kV KHP - Kilikhar Line	6.05	
		Unit- III	15.08	5MVA, 132/11kV TFR	0.34	
		Unit- IV	15.18	132kV Motanga - Rangia Line	-1.44	
		Total	**45.35**	**Auxiliary Consumption & Transformation Losses at Generator end**	**0.37%**	
9	**2 x 59 MW NHP** *(Nikachhu)*	Unit-I	0.00	132kV NHP-MHP-I	0.00	Unit- I & 132kV NHP-MHP line- II on Standby.
		Unit-II	40.06	132kV NHP-MHP-II	39.78	
		Total	**40.06**	**Auxiliary Consumption & Transformation Losses at Generator end**	**0.70%**	
10	**2 x 9 MW SHP** *(Suchhu)*	Unit- I	5.00	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.
		Unit- II	4.99	-	-	
		Total	**9.99**	**Auxiliary Consumption & Transformation Losses at Generator end**	**100.00%**	
11	**17.38 MWp SSP** *(Sephu Solar Plant)*	Inverter-1	0.42	33kV SSP-Wangdue	1.86	All Inverters & Feeders are in Service.
		Inverter-2	0.76	33kV SSP-Trongsa	1.73	
		Inverter-3	0.69	-	-	
		Inverter-4	0.95	-	-	
		Inverter-5	0.78	-	-	
		Total	**3.60**	**Auxiliary Consumption & Transformation Losses at Generator end**	**0.39%**	
12	**2 x 16 MW YHP** *(Yungichhu)*	Unit- I	0.00	132kV YHP-Kilikhar	14.95	Test charge not yet done for Unit-I.
		Unit- II	16.02	5MVA, 132/33kV TFR	0.83	
		Total	**16.02**	**Auxiliary Consumption & Transformation Losses at Generator end**	**1.50%**	
13	**2 x 27 MW BSHP** *(Burgangchhu Small HP)*	Unit-I	0.00	132kV BSHP-Panbang	13.20	Test charge not yet done for Unit-I.
		Unit-II	27.55	132kV BSHP-Tintibi	14.03	
		Total	**27.55**	**Auxiliary Consumption & Transformation Losses at Generator end**	**1.16%**	

Note: Generation-Load Summary (MW) for 13-May-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)	1,322.91	1,475.62	-152.71

Note: Generation-Load Summary (MW) for 13-May-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)	1,597.53	913.50	684.03



THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 14-May-2026(-ve:import, +ve:export)

Report Details	Date	Time	National Coincidental Peak Load (MW)	Date	Time	Load
	May 13, 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	175.51	400kV THP - Siliguri Line - I	0.00	400kV THP-Siliguri Line-I under Shutdown. Unit-IV under Shutdown. Unit-V on Standby.
		Unit- II	180.26	400kV THP - Siliguri Line - II	96.61	
		Unit- III	120.14	400kV THP - Norbugang Line - IV	177.58	
		Unit- IV	0.00	400kV THP - Malbase Line - III	366.31	
		Unit- V	0.00	400kV Malbase - Siliguri Line	27.01	
		Unit- VI	170.06	400kV Norbugang-Siliguri Line	0.33	
		Total	645.97	**Auxiliary Consumption & Transformation Losses at Generator end**	0.85%	
2	**4 x 180 MW MHP** *(Mangdechhu)*	Unit-I	130.76	400kV MHP - Jigmeling Line - I	0.00	Unit I & Unit IV on Standby. 400kV MHP-JLG Line - I on Standby. 400kV MHP-JLG line-II under Shutdown. 400kV Jigmeling_Alipurduar Line-I under Shutdown
		Unit-II	0.00	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	148.35	400kV MHP - Jigmeling Line - III	138.94	
		Unit-IV	0.00	400kV MHP - Jigmeling Line - IV	139.40	
		-	-	220kV Jigmeling - BitDeer Line - I	146.68	
		-	-	220kV Jigmeling - BitDeer Line - II	189.26	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	435.64	
		-	-	400kV Jigmeling - Alipurduar Line - I	0.00	
		-	-	400kV Jigmeling - Alipurduar Line - II	28.36	
		-	-	80MVA, 220/132kV ICT - I (HV)	50.44	
		-	-	80MVA, 220/132kV ICT - II (HV)	50.02	
		-	-	132kV MHP - Yurmo Line - II	19.78	
				132kV MHP - Tintibi Line	19.39	
		-	-	132kV Gelephu - Salakati Line	-56.52	
		Total	279.11	**Auxiliary Consumption & Transformation Losses at Generator end**	0.45%	
3	**6 x 170 MW PHP-II** *(Punatsangchhu)*	Unit- I	170.00	400kV PHP II - Jigmeling -I	96.02	Unit -V & VI under AMP. Unit-IV & II on Standby.
		Unit- II	0.00	400kV PHP II - Jigmeling -II	94.65	
		Unit- III	173.91	400kV PHP II - Alipurduar -I	75.93	
		Unit- IV	0.00	400kV PHP II - Alipurduar -II	76.57	
		Unit- V	0.00	-	-	
		Unit- VI	0.00	-	-	
		Total	343.91	**Auxiliary Consumption & Transformation Losses at Generator end**	0.22%	
4	**4 x 84 MW CHP** *(Chhukha)*	Unit- I	91.41	220kV CHP - Birpara Line - I	-49.94	Unit-II & III under Shutdown (Annual Maintenance).
		Unit- II	0.00	220kV CHP - Birpara Line - II	-49.50	
		Unit- III	0.00	220kV CHP - Gedu	-36.46	
		Unit- IV	91.57	220kV CHP - Jamjee - I	105.20	
		-	-	220kV CHP - Jamjee - II	103.51	
		-	-	220kV CHP - Jamjee - III	99.86	
		-	-	220kV Malbase - Birpara Line	-10.99	
		-	-	66kV CHP - Gedu Line	7.88	
		Total	182.98	**Auxiliary Consumption & Transformation Losses at Generator end**	1.33%	
5	**2 x 12 MW BHP (U/S)** *(Basochhu)*	Unit- I	0.00	220kV BHP - Semtokha Line	46.36	U/S Unit-I on Standby.
		Unit- II	8.20	66kV BHP - Lobeysa Line	24.38	
		Total	8.20	220kV BHP - Tsirang Line	-45.89	
6	**2 x 20 MW BHP (L/S)** *(Basochhu)*	Unit- I	8.51	5MVA, 66/11kV TFR	0.76	
		Unit- II	8.67	30MVA ICT, 220/66kV (HV)	17.04	
		Total	17.18	**Auxiliary Consumption & Transformation Losses at Generator end**	-0.91%	
7	**2 x 63 MW DHP** *(Dagachhu)*	Unit-I	0.00	220kV DHP - Tsirang Line	0.00	Total Plant Shutdown from 10:27 hrs (09.10.2025) due to Seepage in HRC. 220kV DHP-Tsirang Line tripped at 16:54hrs.
		Unit-II	0.00	220kV DHP - Dagapela Line	0.08	
		-	-	220kV BitDeer - Dagapela Line	42.96	
		-	-	5MVA, 220/33kV TFR	0.03	
		Total	0.00	**Auxiliary Consumption & Transformation Losses at Generator end**	0.00%	
8	**4 x 15 MW KHP** *(Kurichhu)*	Unit- I	11.56	132kV KHP - Nangkhor Line	36.24	Unit- II on Standby.
		Unit-II	11.56	132kV KHP - Kilikhar Line	9.55	
		Unit- III	11.72	5MVA, 132/11kV TFR	0.36	
		Unit- IV	11.68	132kV Motanga - Rangia Line	-3.48	
		Total	46.52	**Auxiliary Consumption & Transformation Losses at Generator end**	0.80%	
9	**2 x 59 MW NHP** *(Nikachhu)*	Unit-I	0.00	132kV NHP-MHP-I	0.00	Unit- I & 132kV NHP-MHP line- I on Standby.
		Unit-II	39.86	132kV NHP-MHP-II	39.65	
		Total	39.86	**Auxiliary Consumption & Transformation Losses at Generator end**	0.53%	
10	**2 x 9 MW SHP** *(Suchhu)*	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%	
11	**2 x 16 MW YHP** *(Yungichhu)*	Unit-I	0.00	132kV YHP-Kilikhar	14.24	Test charge not yet done for Unit-I.
		Unit-II	15.78	5MVA, 132/33kV TFR	1.55	
		Total	15.78	**Auxiliary Consumption & Transformation Losses at Generator end**	-0.06%	
12	**2 x 27 MW BSHP** *(Burgangchhu Small HP)*	Unit-I	0.00	132kV BSHP-Panbang	25.41	Test charge not yet done for Unit-I. Unit-II tripped at 18:51hrs
		Unit-II	27.50	132kV BSHP-Tintibi	1.84	
		Total	27.50	**Auxiliary Consumption & Transformation Losses at Generator end**	0.91%	

Note: Generation-Load Summary (MW) for 13-May-2026 at 18:00 hrs

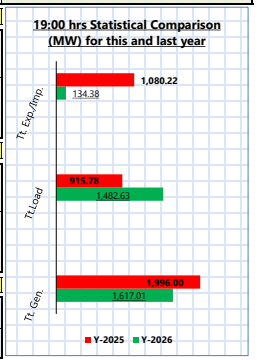
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	1,617.01	1,482.63	134.38

Note: Generation-Load Summary (MW) for 13-May-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)	1,996.00	915.78	1,080.22

Note: Daily Energy (MUs) and Power(MW) Statistics for 13-May-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross-border (MW)
1	36.89	34.61	2.29	3.97	341.55



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.