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

Report Details	Date	Time	National Coincidental Peak Load (MW)	Date	Time	Load
	May 20, 2026	9:00 AM		08-Nov-25	19:03:00	1,477.00

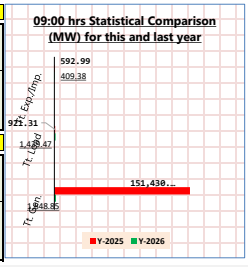
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	**6 x 170 MW THP** *(Tala)*	Unit- I	120.60	400kV THP - Siliguri Line - I	76.08	All Units & Feeders are in Service.
		Unit- II	100.94	400kV THP - Siliguri Line - II	74.77	
		Unit- III	116.13	400kV THP - Norbugang - IV	129.03	
		Unit- IV	112.50	400kV THP - Malbase Line - III	360.32	
		Unit- V	95.30	400kV Malbase - Siliguri Line	6.80	
		Unit- VI	100.23	400kV Norbugang-Siliguri Line	6.08	
		Total	**645.70**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.85%	
2	**4 x 180 MW MHP** *(Mangdechhu)*	Unit-I	55.69	400kV MHP - Jigmeling Line - I	118.12	Unit-III on Standby. 400kV MHP-JLG line-III on Stand By 400kV JLG-ALI Line-I under Shutdown.
		Unit-II	140.23	400kV MHP - Jigmeling Line - II	117.67	
		Unit-III	0.00	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	155.58	400kV MHP - Jigmeling Line - IV	114.97	
		-	-	220kV Jigmeling - BitDeer Line - I	200.13	
		-	-	220kV Jigmeling - BitDeer Line - II	139.77	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	437.82	
		-	-	400kV Jigmeling - Alipurduar Line - I	0.00	
		-	-	400kV Jigmeling - Alipurduar Line - II	90.91	
		-	-	80MVA, 220/132kV ICT - I (HV)	49.54	
		-	-	80MVA, 220/132kV ICT - II (HV)	49.26	
		-	-	132kV MHP - Yurmo Line - II	24.39	
				132kV MHP - Tintibi Line	24.74	
		-	-	132kV Gelephu - Salakati Line	-35.73	
		Total	**351.50**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.34%	
3	**6 x 170 MW PHP-II** *(Punatsangchhu)*	Unit- I	152.00	400kV PHP II - Jigmeling -I	90.64	Unit- V & VI under AMP. Unit-II on Standby.
		Unit- II	0.00	400kV PHP II - Jigmeling -II	90.26	
		Unit- III	151.49	400kV PHP II - Alipurduar -I	137.68	
		Unit- IV	151.93	400kV PHP II - Alipurduar -II	138.01	
		Unit- V	0.00	-	-	
		Unit- VI	0.00	-	-	
		Total	**455.42**	**Auxiliary Consumption & Transformation Losses at Generator end**	-0.26%	
4	**4 x 84 MW CHP** *(Chhukha)*	Unit- I	91.43	220kV CHP - Birpara Line - I	-41.54	Unit-II & III under Shutdown (Annual Maintenance).
		Unit- II	0.00	220kV CHP - Birpara Line - II	-41.23	
		Unit- III	0.00	220kV CHP - Gedu	-7.03	
		Unit- IV	91.63	220kV CHP - Jamjee - I	90.20	
		-	-	220kV CHP - Jamjee - II	88.73	
		-	-	220kV CHP - Jamjee - III	86.41	
		-	-	220kV Malbase - Birpara Line	-20.84	
		-	-	66kV CHP - Gedu Line	6.73	
		Total	**183.06**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.43%	
5	**2 x 12 MW BHP (U/S)** *(Basochhu)*	Unit- I	0.00	220kV BHP - Semtokha Line	41.20	U/S Unit-I on Standby. Feeders are in Service.
		Unit- II	7.00	66kV BHP - Lobeysa Line	17.11	
		Total	**7.00**	220kV BHP - Tsirang Line	-34.66	
6	**2 x 20 MW BHP (L/S)** *(Basochhu)*	Unit- I	8.57	5MVA, 66/11kV TFR	0.39	
		Unit- II	8.14	30MVA ICT, 220/66kV (HV)	10.44	
		Total	**16.71**	**Auxiliary Consumption & Transformation Losses at Generator end**	-1.39%	
7	**2 x 63 MW DHP** *(Dagachhu)*	Unit-I	0.00	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on standby. Unit-I under Shutdown.
		Unit-II	24.52	220kV DHP - Dagapela Line	24.32	
		-	-	220kV BitDeer - Dagapela Line	24.24	
		-	-	5MVA, 220/33kV TFR	0.18	
		Total	**24.52**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.08%	
8	**4 x 15 MW KHP** *(Kurichhu)*	Unit- I	12.54	132kV KHP - Nangkhor Line	41.92	All Units & Feeders are in Service.
		Unit-II	12.62	132kV KHP - Kilikhar Line	7.80	
		Unit- III	12.64	5MVA, 132/11kV TFR	0.29	
		Unit- IV	12.66	132kV Motanga - Rangia Line	18.39	
		Total	**50.46**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.89%	
9	**2 x 59 MW NHP** *(Nikachhu)*	Unit-I	27.99	132kV NHP-MHP-I	27.75	All Units & Feeders are in Service.
		Unit-II	22.02	132kV NHP-MHP-II	21.84	
		Total	**50.01**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.84%	
10	**2 x 9 MW SHP** *(Suchhu)*	Unit- I	5.00	66kV SHP-Damdhum (Samtse)	0.00	Unit-II under Shutdwon. Interim measure: Evacuation is through 33kV System.
		Unit- II	0.00	-	-	
		Total	**5.00**	**Auxiliary Consumption & Transformation Losses at Generator end**	100.00%	
11	**17.38 MWp SSP** *(Sephu Solar Plant)*	Inverter-1	1.85	33kV SSP-Wangdue	8.34	All Inverters & Feeders are in Service.
		Inverter-2	3.30	33kV SSP-Trongsa	7.60	
		Inverter-3	3.20	-	-	
		Inverter-4	4.12	-	-	
		Inverter-5	3.49	-	-	
		Total	**15.96**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.13%	
12	**2 x 16 MW YHP** *(Yungichhu)*	Unit- I	0.00	132kV YHP-Kilikhar	15.26	Unit-I , Load throw & rejection test completed on 19.05.2026.
		Unit- II	16.01	5MVA, 132/33kV TFR	0.52	
		Total	**16.01**	**Auxiliary Consumption & Transformation Losses at Generator end**	1.44%	
13	**2 x 27 MW BSHP** *(Burgangchhu Small HP)*	Unit-I	0.00	132kV BSHP-Panbang	24.28	Test charge not yet done for Unit-I.
		Unit-II	27.50	132kV BSHP-Tintibi	2.87	
		Total	**27.50**	**Auxiliary Consumption & Transformation Losses at Generator end**	1.27%	

Note: Generation-Load Summary (MW) for 20-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)	1,848.85	1,439.47	409.38

Note: Generation-Load Summary (MW) for 20-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)	151,430.00	921.31	592.99



THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 21-May-2026(-ve:import, +ve:export)

Report Details	Date	Time	National Coincidental Peak Load (MW)	Date	Time	Load
	May 20, 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	85.73	400kV THP - Siliguri Line - I	75.49	All feeders and units in service
		Unit- II	95.93	400kV THP - Siliguri Line - II	74.53	
		Unit- III	108.17	400kV THP - Norbugang Line - IV	127.84	
		Unit- IV	100.57	400kV THP - Malbase Line - III	322.75	
		Unit- V	105.28	400kV Malbase - Siliguri Line	14.86	
		Unit- VI	110.22	400kV Norbugang-Siliguri Line	6.80	
		Total	**605.90**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.87%	
2	**4 x 180 MW MHP** *(Mangdechhu)*	Unit-I	142.17	400kV MHP - Jigmeling Line - I	124.65	400kV MHP-JLG line-III in Standby. Unit III on standby 400kV Jigmeling_Alipurduar Line-I under Shutdown.
		Unit-II	143.80	400kV MHP - Jigmeling Line - II	124.45	
		Unit-III	0.00	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	85.05	400kV MHP - Jigmeling Line - IV	121.26	
		-	-	220kV Jigmeling - BitDeer Line - I	156.17	
		-	-	220kV Jigmeling - BitDeer Line - II	187.13	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	461.09	
		-	-	400kV Jigmeling - Alipurduar Line - I	0.00	
		-	-	400kV Jigmeling - Alipurduar Line - II	80.73	
		-	-	80MVA, 220/132kV ICT - I (HV)	59.98	
		-	-	80MVA, 220/132kV ICT - II (HV)	59.45	
		-	-	132kV MHP - Yurmo Line - II	24.56	
				132kV MHP - Tintibi Line	24.56	
		-	-	132kV Gelephu - Salakati Line	-38.94	
		Total	**371.02**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.31%	
3	**6 x 170 MW PHP-II** *(Punatsangchhu)*	Unit- I	150.00	400kV PHP II - Jigmeling -I	88.66	Unit-II on standby. Unit -V & VI under AMP.
		Unit- II	0.00	400kV PHP II - Jigmeling -II	88.05	
		Unit- III	148.87	400kV PHP II - Alipurduar -I	127.34	
		Unit- IV	140.50	400kV PHP II - Alipurduar -II	127.69	
		Unit- V	0.00	-	-	
		Unit- VI	0.00	-	-	
		Total	**439.37**	**Auxiliary Consumption & Transformation Losses at Generator end**	1.74%	
4	**4 x 84 MW CHP** *(Chhukha)*	Unit- I	91.43	220kV CHP - Birpara Line - I	-103.30	Unit-II & III under Shutdown (Annual Maintenance).
		Unit- II	0.00	220kV CHP - Birpara Line - II	-103.50	
		Unit- III	0.00	220kV CHP - Gedu	146.60	
		Unit- IV	91.63	220kV CHP - Jamjee - I	80.00	
		-	-	220kV CHP - Jamjee - II	80.60	
		-	-	220kV CHP - Jamjee - III	80.40	
		-	-	220kV Malbase - Birpara Line	72.63	
		-	-	66kV CHP - Gedu Line	-0.25	
		Total	**183.06**	**Auxiliary Consumption & Transformation Losses at Generator end**	1.37%	
5	**2 x 12 MW BHP (U/S)** *(Basochhu)*	Unit- I	0.00	220kV BHP - Semtokha Line	80.12	U/S Unit I on standby.
		Unit- II	9.30	66kV BHP - Lobeysa Line	23.90	
		Total	**9.30**	220kV BHP - Tsirang Line	-79.49	
6	**2 x 20 MW BHP (L/S)** *(Basochhu)*	Unit- I	7.20	5MVA, 66/11kV TFR	0.66	
		Unit- II	8.46	30MVA ICT, 220/66kV (HV)	16.40	
		Total	**15.66**	**Auxiliary Consumption & Transformation Losses at Generator end**	-0.93%	
7	**2 x 63 MW DHP** *(Dagachhu)*	Unit-I	0.00	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on standby. DHP Unit-I under Shutdown.
		Unit-II	24.54	220kV DHP - Dagapela Line	24.35	
		-	-	220kV BitDeer - Dagapela Line	25.40	
		-	-	5MVA, 220/33kV TFR	0.30	
		Total	**24.54**	**Auxiliary Consumption & Transformation Losses at Generator end**	-0.45%	
8	**4 x 15 MW KHP** *(Kurichhu)*	Unit- I	12.59	132kV KHP - Nangkhor Line	38.92	All Units & Feeders are in Service.
		Unit-II	12.60	132kV KHP - Kilikhar Line	11.09	
		Unit- III	12.67	5MVA, 132/11kV TFR	0.42	
		Unit- IV	12.65	132kV Motanga - Rangia Line	18.94	
		Total	**50.51**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.16%	
9	**2 x 59 MW NHP** *(Nikachhu)*	Unit-I	27.98	132kV NHP-MHP-I	27.78	All Units & Feeders are in Service.
		Unit-II	22.01	132kV NHP-MHP-II	21.82	
		Total	**49.99**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.78%	
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	8.11	132kV YHP-Kilikhar	14.81	Unit I synced and kept on observation for 72 Hrs.
		Unit-II	8.40	5MVA, 132/33kV TFR	1.46	
		Total	**16.51**	**Auxiliary Consumption & Transformation Losses at Generator end**	1.45%	
12	**2 x 27 MW BSHP** *(Burgangchhu Small HP)*	Unit-I	0.00	132kV BSHP-Panbang	35.48	Test charge not yet done for Unit-I.
		Unit-II	27.52	132kV BSHP-Tintibi	-8.29	
		Total	**27.52**	**Auxiliary Consumption & Transformation Losses at Generator end**	1.20%	

Note: Generation-Load Summary (MW) for 20-May-2026 at 18:00 hrs

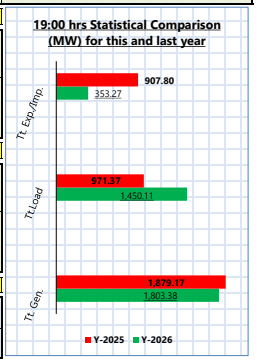
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	**Both Eastern & Western (Whole Bhutan)**	1,803.38	1,450.11	353.27

Note: Generation-Load Summary (MW) for 20-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)**	1,879.17	971.37	907.80

Note: Daily Energy (MUs) and Power(MW) Statistics for 20-May-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross-border (MW)
1	473.84	34.18	0.00	7.23	459.59



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.