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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 27-Jan-2026(+ve:import, +ve:export)**

Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time	Load
	January 26, 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 170MW THP	Unit-I	187.37	400kV THP - Siliguri Line - I	0.00	Unit-IV, V & VI under Shutdown (Annual Maintenance). 400kV THP_NOR line IV remains under Shutdown. NOR insisted to charge 400kV NOR_SIL line together with 400kV THP_NOR. 400kV THP_SIL line I on Standby.	
		Unit-II	187.67	400kV THP - Siliguri Line - II	122.12		
		Unit-III	180.16	400kV THP - Norbugang - IV	0.00		
		Unit-IV	0.00	400kV THP - Malbase - III	428.45		
		Unit-V	0.00	400kV Malbase - Siliguri Line	45.80		
		Unit-VI	0.00	400kV Norbugang-Siliguri Line	0.00		
		<b>Total</b>	<b>555.20</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>0.83%</b>		
2	4 x 180MW MHP	Unit-I	0.00	400kV MHP - Jigmeling Line - I	75.87	Unit-I under Shutdown (Annual Maintenance). Unit-III on Standby. 400kV MHP-JIG Line - II & III on Standby as other two lines can cater the load.	
		Unit-II	133.17	400kV MHP - Jigmeling Line - II	0.00		
		Unit-III	0.00	400kV MHP - Jigmeling Line - III	0.00		
		Unit-IV	137.51	400kV MHP - Jigmeling Line - IV	76.57		
		-	-	220kV Jigmeling - BitDeer Line - I	171.92		
		-	-	220kV Jigmeling - BitDeer Line - II	182.53		
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	410.18		
		-	-	400kV Jigmeling - Alipurduar Line - I	-8.00		
		-	-	400kV Jigmeling - Alipurduar Line - II	-9.46		
		-	-	80MVA, 220/132kV ICT - I (HV)	-27.77		
		-	-	80MVA, 220/132kV ICT - II (HV)	-27.47		
		-	-	132kV MHP - Yurmo Line - II	61.53		
		-	-	132kV MHP - Tintibi Line	55.46		
		-	-	132kV Gelephu - Salakati Line	-52.30		
<b>Total</b>	<b>270.68</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>0.46%</b>				
3	6 x 170MW PHP-II	Unit-I	0.00	400kV PHP II - Jigmeling - I	244.12	Unit-I & II under Shutdown (Annual Maintenance). Unit-III and IV on Standby. 400kV PHP II-Jigmeling-II and 400kV PHP II_ALI I on standby.	
		Unit-II	0.00	400kV PHP II - Jigmeling - II	0.00		
		Unit-III	0.00	400kV PHP II - Alipurduar - I	0.00		
		Unit-IV	0.00	400kV PHP II - Alipurduar - II	115.09		
		Unit-V	179.20	-	-		
		Unit-VI	180.40	-	-		
		<b>Total</b>	<b>359.60</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>0.11%</b>		
4	4 x 84MW CHP	Unit-I	0.00	220kV CHP - Birpara Line - I	-76.51	Unit-I & II under Shutdown (Annual Maintenance).	
		Unit-II	0.00	220kV CHP - Birpara Line - II	-75.82		
		Unit-III	60.62	220kV CHP - Gedu	-82.25		
		Unit-IV	59.63	220kV CHP - Jamjee - I	119.34		
		-	-	220kV CHP - Jamjee - II	118.06		
		-	-	220kV CHP - Jamjee - III	113.70		
		-	-	220kV Malbase - Birpara Line	-46.94		
		-	-	66kV CHP - Gedu Line	3.46		
<b>Total</b>	<b>120.25</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>0.22%</b>				
5	2 x 12MW BHP (U/S)	Unit-I	0.00	220kV BHP - Semtokha Line	0.60	L/S Unit-II under AMP. U/S Unit-I under Shutdown. 220kV BHP-TSI Line under Shutdown.	
		Unit-II	6.30	66kV BHP - Lobessa Line	18.59		
		<b>Total</b>	<b>6.30</b>	220kV BHP - Tsirang Line	0.00		
6	2 x 20MW BHP (L/S)	Unit-I	13.50	5MVA, 66/11kV TFR	0.63	Total Plant Shutdown from 10:27 hrs (09.10.2025) due to Seepage in HRC.	
		Unit-II	0.00	30MVA ICT, 220/66kV (HV)	12.90		
		<b>Total</b>	<b>13.50</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>-0.10%</b>		
7	2 x 63MW DHP	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.	
		Unit-II	0.00	220kV DHP - Dagapela Line	0.00		
		-	-	220kV BitDeer - Dagapela Line	58.20		
		-	-	5MVA, 220/33kV TFR	-		
<b>Total</b>	<b>0.00</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>0.00%</b>				
8	4 x 15MW KHP	Unit-I	0.00	132kV KHP - Nangkor Line	10.01	Unit-I on Standby. Unit-III under Shutdown (Annual Maintenance).	
		Unit-II	12.19	132kV KHP - Kilikhar Line	13.80		
		Unit-III	0.00	5MVA, 132/11kV TFR	0.40		
		Unit-IV	12.22	132kV Motanga - Rangia Line	-11.41		
		<b>Total</b>	<b>24.41</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>0.82%</b>		
9	2 x 59MW NHP	Unit-I	0.00	132kV NHP-MHP-I	0.00	Total plant shutdown 132kV NHP-MHP line I under ideal charge at NHP end.	
		Unit-II	0.00	132kV NHP-MHP-II	0.00		
		<b>Total</b>	<b>0.00</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>0.00%</b>		
10	2 x 9MW SHP	Unit-I	4.45	66kV SHP-Damdhum (Samtse)	0.00	Unit-II on Standby. Interim measure: Evacuation is through 33kV System.	
		Unit-II	0.00	-	-		
		<b>Total</b>	<b>4.45</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>100.00%</b>		
11	17.38 MWp Sephu (Solar)	Inverter-1	1.41	33kV SSP-Wangdue	5.92	All feeders and Inverters in Service	
		Inverter-2	2.29	33kV SSP-Trongsa	5.79		
		Inverter-3	2.22	-	-		
		Inverter-4	3.19	-	-		
		Inverter-5	2.60	-	-		
		<b>Total</b>	<b>11.71</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>0.03%</b>		

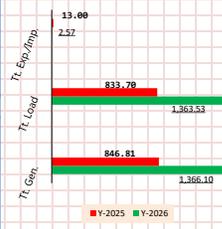
Note: Generation-Load Summary (MW) for 26-Jan-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	1,366.10	1,363.53	2.57

Note: Generation-Load Summary (MW) for 26-Jan-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)	846.81	833.70	13.00

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



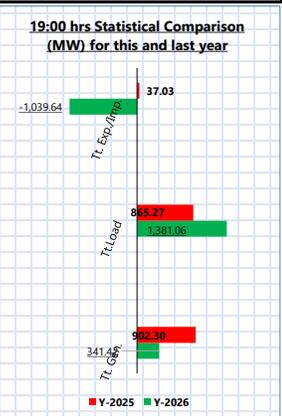
THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 27-Jan-2026(-ve:import, +ve:export)							
Report	Date	Time	National Coincidental Peak Load (MW)		Date	Time	Load
Details	January 26, 2026	18:00:00			08-Nov-25	19:03:00	1,477.00
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks	
1	6 x 170MW THP	Unit-I	21.71	400kV THP - Siliguri Line - I	0.00	Unit- IV, V & VI under Shutdown (Annual Maintenance). 400kV THP-NOR Line IV remains under Shutdown. NOR insisted to charge 400kV NOR_SIL line together with 400kV THP_NOR. 400kV THP - Siliguri line - I on Standby.	
		Unit-II	20.66	400kV THP - Siliguri Line - II	-126.74		
		Unit-III	19.61	400kV THP - Norbugang Line - IV	0.00		
		Unit-IV	0.00	400kV THP - Malbase Line - III	189.20		
		Unit-V	0.00	400kV Malbase - Siliguri Line	-180.46		
		Unit-VI	0.00	400kV Norbugang-Siliguri Line	0.00		
		<b>Total</b>	<b>61.98</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>-0.77%</b>		
2	4 x 180MW MHP	Unit-I	20.44	400kV MHP - Jigmeling Line - I	-17.24	Unit-III on Standby. 400kV MHP-JLG Line - II & III on Standby.	
		Unit-II	24.85	400kV MHP - Jigmeling Line - II	0.00		
		Unit-III	0.00	400kV MHP - Jigmeling Line - III	0.00		
		Unit-IV	15.17	400kV MHP - Jigmeling Line - IV	-17.59		
		-	-	220kV Jigmeling - BitDeer Line - I	172.40		
		-	-	220kV Jigmeling - BitDeer Line - II	186.00		
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	408.36		
		-	-	400kV Jigmeling - Alipurduar Line - I	-138.91		
		-	-	400kV Jigmeling - Alipurduar Line - II	-138.18		
		-	-	80MVA, 220/132kV ICT - I (HV)	-24.87		
		-	-	80MVA, 220/132kV ICT - II (HV)	-24.59		
		-	-	132kV MHP - Yurmo Line - II	67.74		
		-	-	132kV MHP - Tintibi Line	51.95		
		-	-	132kV Gelephu - Salakati Line	-64.48		
<b>Total</b>	<b>60.46</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>0.79%</b>				
3	6 x 170MW PHP-II	Unit-I	0.00	400kV PHP II - Jigmeling -I	158.60	Unit-I & II under Shutdown (Annual Maintenance). Unit-III,IV & V on Standby. 400kV PHPII - JLG-II on Standby. 400kV PHP II-ALI-I on Standby.	
		Unit-II	0.00	400kV PHP II - Jigmeling -II	0.00		
		Unit-III	0.00	400kV PHP II - Alipurduar -I	0.00		
		Unit-IV	0.00	400kV PHP II - Alipurduar -II	-49.86		
		Unit-V	0.00	-	-		
		Unit-VI	109.59	-	-		
		<b>Total</b>	<b>109.59</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>0.78%</b>		
4	4 x 84MW CHP	Unit-I	0.00	220kV CHP - Birpara Line - I	-117.11	Unit-I & II under Shutdown (Annual Maintenance).	
		Unit-II	0.00	220kV CHP - Birpara Line - II	-116.09		
		Unit-III	16.06	220kV CHP - Gedu	-84.50		
		Unit-IV	20.07	220kV CHP - Jamjee - I	119.34		
		-	-	220kV CHP - Jamjee - II	118.06		
		-	-	220kV CHP - Jamjee - III	113.70		
		-	-	220kV Malbase - Birpara Line	-92.95		
-	-	66kV CHP - Gedu Line	2.97				
<b>Total</b>	<b>36.13</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>-0.66%</b>				
5	2 x 12MW BHP (U/S)	Unit-I	0.00	220kV BHP - Sertokha Line	-4.31	L/S Unit-II under AMP. U/S unit-I under Shutdown... 220kV BHP-TSI line under Shutdown.	
		Unit-II	6.20	66kV BHP - Lobeysa Line	22.27		
		<b>Total</b>	<b>6.20</b>	220kV BHP - Tsirang Line	0.00		
6	2 x 20MW BHP (L/S)	Unit-I	12.70	5MVA, 66/11kV TFR	0.97		
		Unit-II	0.00	30MVA ICT, 220/66kV (HV)	17.07		
		<b>Total</b>	<b>12.70</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>-0.16%</b>		
7	2 x 63MW DHP	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 .	
		Unit-II	0.00	220kV DHP - Dagapela Line	0.00		
		-	-	220kV BitDeer - Dagapela Line	59.45		
		-	-	5MVA, 220/33kV TFR	0.00		
<b>Total</b>	<b>0.00</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>0.00%</b>				
8	4 x 15MW KHP	Unit-I	0.00	132kV KHP - Nangkor Line	8.89	Unit-II on Standby. Unit-III under Shutdown (AMP).	
		Unit-II	12.45	132kV KHP - Kilikhar Line	15.50		
		Unit-III	0.00	5MVA, 132/11kV TFR	0.36		
		Unit-IV	12.56	132kV Motanga - Rangia Line	-14.86		
		<b>Total</b>	<b>25.01</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>1.04%</b>		
9	2 x 59MW NHP	Unit-I	0.00	132kV NHP-MHP-I	0.00	Unit I under Shutdown 132kV NHP-MHP line I under ideal charge at NHP end.	
		Unit-II	25.00	132kV NHP-MHP-II	24.88		
		<b>Total</b>	<b>25.00</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>0.48%</b>		
10	2 x 9MW SHP	Unit-I	4.35	66kV SHP-Damdhum (Samtse)	0.00	Unit-II on Standby. Interim measure: Evacuation is through 33kV System.	
		Unit-II	0.00	-	-		
		<b>Total</b>	<b>4.35</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>100.00%</b>		

Note: Generation-Load Summary (MW) for 26-Jan-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)	341.42	1,381.06	-1,039.64

Note: Generation-Load Summary (MW) for 26-Jan-2025, 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)	902.30	865.27	37.03



Note: Daily Energy (MUs) and Power(MW) Statistics for 26-Jan-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross-border (MW)
1	14,0974355	31.89	17.85	0.00	-1,046.84

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