



འབྲུག་རྒྱལ་ཁབ་ལོ་ནུ་རྒྱུ་ཉེན་འགན་ རྒྱལ་ཁབ་ཤུག་ལྷན་ཁག་གི་འཕྲིན།  
 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 01-Mar-2026(-ve:import, +ve:export)**

Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time	Load
	February 28, 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	187.45	400kV THP - Siliguri Line - I	0.00	Unit-III & V under Shutdown (Annual Maintenance). Unit II on Standby 400kV THP_SIL line I under Shutdown. 400kV THP_Norbugang-Siliguri line under Shutdown.	
		Unit-II	0.00	400kV THP - Siliguri Line - II	125.65		
		Unit-III	0.00	400kV THP - Norbugang - IV	0.00		
		Unit-IV	186.85	400kV THP - Malbase Line - III	431.83		
		Unit-V	0.00	400kV Malbase - Siliguri Line	47.75		
		Unit-VI	186.95	400kV Norbugang-Siliguri Line	0.00		
		<b>Total</b>	<b>561.25</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>0.81%</b>		
2	4 x 180MW MHP	Unit-I	194.71	400kV MHP - Jigmeling Line - I	135.20	Unit-III under Shutdown. Unit-IV under AMP. 400kV MHP-JLG Line - III under Shutdown. 400kV MHP-JLG Line - IV on Standby.	
		Unit-II	195.79	400kV MHP - Jigmeling Line - II	136.20		
		Unit-III	0.00	400kV MHP - Jigmeling Line - III	0.00		
		Unit-IV	0.00	400kV MHP - Jigmeling Line - IV	0.00		
		-	-	220kV Jigmeling - BitDeer Line - I	188.00		
		-	-	220kV Jigmeling - BitDeer Line - II	210.34		
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	446.91		
		-	-	400kV Jigmeling - Alipurduar Line - I	-4.36		
		-	-	400kV Jigmeling - Alipurduar Line - II	-5.82		
		-	-	80MVA, 220/132kV ICT - I (HV)	-25.35		
		-	-	80MVA, 220/132kV ICT - II (HV)	-25.07		
		-	-	132kV MHP - Yurno Line - II	65.90		
		-	-	132kV MHP - Tintibi Line	63.80		
		-	-	132kV Gelephu - Salakati Line	-53.57		
		<b>Total</b>	<b>390.50</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>1.85%</b>		
3	6 x 170MW PHP-II	Unit-I	0.00	400kV PHP II - Jigmeling -I	166.90	Unit-I, II & IV under Shutdown (Annual Maintenance). Unit-III on Standby. 400kV PHPII - JLG-II on Standby. 400kV PHPII - ALI-II Under Shutdown.(Avalied by NLDC India)	
		Unit-II	0.00	400kV PHP II - Jigmeling -II	0.00		
		Unit-III	0.00	400kV PHP II - Alipurduar -I	82.11		
		Unit-IV	0.00	400kV PHP II - Alipurduar -II	0.00		
		Unit-V	129.66	-	-		
		Unit-VI	119.95	-	-		
		<b>Total</b>	<b>249.61</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>0.24%</b>		
4	4 x 84MW CHP	Unit-I	90.42	220kV CHP - Birpara Line - I	-52.83	Unit-II & IV under Shutdown (Annual Maintenance).	
		Unit-II	0.00	220kV CHP - Birpara Line - II	-52.35		
		Unit-III	89.41	220kV CHP - Gedu	-39.53		
		Unit-IV	0.00	220kV CHP - Jamjee - I	107.38		
		-	-	220kV CHP - Jamjee - II	107.35		
		-	-	220kV CHP - Jamjee - III	103.17		
		-	-	220kV Malbase - Birpara Line	-41.08		
		-	-	66kV CHP - Gedu Line	6.45		
		<b>Total</b>	<b>179.83</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>0.11%</b>		
5	2 x 12MW BHP (U/S)	Unit-I	0.00	220kV BHP - Semtokha Line	32.90	L/S Unit-II under AMP. U/S Unit-I under AMP.	
		Unit-II	3.85	66kV BHP - Lobeyssa Line	22.44		
		<b>Total</b>	<b>3.85</b>	220kV BHP - Tsirang Line	-40.50		
6	2 x 20MW BHP (L/S)	Unit-I	11.71	5MVA, 66/11kV TFR	0.69		
		Unit-II	0.00	30MVA ICT, 220/66kV (HV)	17.85		
		<b>Total</b>	<b>11.71</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>0.19%</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	57.20		
		-	-	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	12.19	132kV KHP - Nangkor Line	10.48	Unit-II under AMP. Unit-III on Standby.	
		Unit-II	0.00	132kV KHP - Kilikhar Line	13.34		
		Unit-III	0.00	5MVA, 132/11kV TFR	0.46		
		Unit-IV	12.19	132kV Motanga - Rangia Line	-23.18		
		<b>Total</b>	<b>24.38</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>0.41%</b>		
9	2 x 59MW NHP	Unit-I	18.01	132kV NHP-MHP-I	17.82	Unit II under AMP. 132kV NHP-MHP line II under ideal charge at MHP end.	
		Unit-II	0.00	132kV NHP-MHP-II	0.00		
		<b>Total</b>	<b>18.01</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>1.05%</b>		
10	2 x 9MW SHP	Unit-I	0.00	66kV SHP-Damdhum (Samtse)	0.00	Unit-I on Standby. Interim measure: Evacuation is through 33kV System.	
		Unit-II	3.80	-	-		
		<b>Total</b>	<b>3.80</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>100.00%</b>		
11	17.38 MWp Sephu (Solar)	Inverter-1	0.00	33kV SSP-Wangdue	0.00	All Inverters are in Service. 66kV SSP- Wangdue Line taken shutdown for fuse replacement at Sha Ngawang.	
		Inverter-2	0.00	33kV SSP-Trongsa	0.62		
		Inverter-3	0.00	-	-		
		Inverter-4	0.32	-	-		
		Inverter-5	0.30	-	-		
		<b>Total</b>	<b>0.62</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>0.00%</b>		

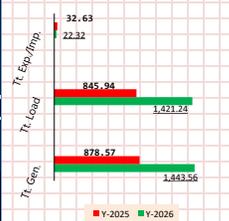
Note: Generation-Load Summary (MW) for 28-Feb-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	1,443.56	1,421.24	22.32

Note: Generation-Load Summary (MW) for 28-Feb-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)	878.57	845.94	32.63

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 01-Mar-2026(-ve:import, +ve:export)**

Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time	Load
	February 28, 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	100.66	400kV THP - Siliguri Line - I	0.00	Unit-II on Standby. Unit-III and V under Shutdown. 400kV THP_SIL line I under Shutdown. 400kV Norbugang-Siliguri line & 400kV THP_Norbugang Line under Shutdown.	
		Unit-II	0.00	400kV THP - Siliguri Line - II	9.14		
		Unit-III	0.00	400kV THP - Norbugang Line - IV	0.00		
		Unit-IV	100.51	400kV THP - Malbase Line - III	351.67		
		Unit-V	0.00	400kV Malbase - Siliguri Line	-66.17		
		Unit-VI	163.12	400kV Norbugang-Siliguri Line	0.00		
		<b>Total</b>	<b>364.29</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>0.96%</b>		
2	4 x 180MW MHP	Unit-I	21.82	400kV MHP - Jigmeling Line - I	-38.14	Unit-III under Shutdown. Unit-IV under AMP. 400kV MHP-JLG Line - III Under Shutdown. 400kV MHP-JLG Line - IV on Standby.	
		Unit-II	21.01	400kV MHP - Jigmeling Line - II	-38.18		
		Unit-III	0.00	400kV MHP - Jigmeling Line - III	0.00		
		Unit-IV	0.00	400kV MHP - Jigmeling Line - IV	0.00		
		-	-	220kV Jigmeling - BitDeer Line - I	188.54		
		-	-	220kV Jigmeling - BitDeer Line - II	201.67		
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	436.73		
		-	-	400kV Jigmeling - Alipurduar Line - I	-162.91		
		-	-	400kV Jigmeling - Alipurduar Line - II	-165.09		
		-	-	80MVA, 220/132kV ICT - I (HV)	-24.30		
		-	-	80MVA, 220/132kV ICT - II (HV)	-24.00		
		-	-	132kV MHP - Yurmo Line - II	69.00		
		-	-	132kV MHP - Tintibi Line	49.90		
		-	-	132kV Gelephu - Salakati Line	-70.47		
		<b>Total</b>	<b>42.83</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>0.58%</b>		
3	6 x 170MW PHP-II	Unit-I	0.00	400kV PHP II - Jigmeling -I	188.79	Unit-I, II & IV under Shutdown (Annual Maintenance). Unit-III & V on Standby. 400kV PHPII - JLG-II on Standby. 400kV PHPII - ALI-II under shutdown (Avalied by NLDC India).	
		Unit-II	0.00	400kV PHP II - Jigmeling -II	0.00		
		Unit-III	0.00	400kV PHP II - Alipurduar -I	-67.74		
		Unit-IV	0.00	400kV PHP II - Alipurduar -II	0.00		
		Unit-V	0.00	-	-		
		Unit-VI	120.34	-	-		
<b>Total</b>	<b>120.34</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>-0.59%</b>				
4	4 x 84MW CHP	Unit-I	29.80	220kV CHP - Birpara Line - I	-92.53	Unit-II & IV under Shutdown (Annual Maintenance).	
		Unit-II	0.00	220kV CHP - Birpara Line - II	-92.73		
		Unit-III	29.50	220kV CHP - Gedu	-95.59		
		Unit-IV	0.00	220kV CHP - Jamjee - I	113.30		
		-	-	220kV CHP - Jamjee - II	112.69		
		-	-	220kV CHP - Jamjee - III	109.01		
		-	-	220kV Malbase - Birpara Line	-64.40		
<b>Total</b>	<b>59.30</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>0.32%</b>				
5	2 x 12MW BHP (U/S)	Unit-I	0.00	220kV BHP - Sementokha Line	37.31	L/S Unit-II under AMP. U/S unit-I under AMP.	
		Unit-II	4.84	66kV BHP - Lobeysa Line	24.73		
		<b>Total</b>	<b>4.84</b>	220kV BHP - Tsirang Line	-46.39		
6	2 x 20MW BHP (L/S)	Unit-I	11.50	5MVA, 66/11kV TFR	0.65		
		Unit-II	0.00	30MVA ICT, 220/66kV (HV)	20.22		
		<b>Total</b>	<b>11.50</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>0.24%</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 . 220kV DHP-Dagapela line kept open.	
		Unit-II	0.00	220kV DHP - Dagapela Line	0.00		
		-	-	220kV BitDeer - Dagapela Line	57.70		
		-	-	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	12.29	132kV KHP - Nangkhor Line	8.69	Unit-III on Standby. Unit-II under Shutdown (AMP).	
		Unit-II	0.00	132kV KHP - Kihkhar Line	15.30		
		Unit-III	0.00	5MVA, 132/11kV TFR	0.44		
		Unit-IV	12.32	132kV Motanga - Rangia Line	-33.11		
		<b>Total</b>	<b>24.61</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>0.73%</b>		
9	2 x 59MW NHP	Unit-I	0.00	132kV NHP-MHP-I	0.00	Unit I tripped at 17:39hrs and is under inspection.Unit II under AMP. 132kV NHP-MHP line II on ideal charge at MHP 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	0.00	66kV SHP-Damdhum (Samtse)	0.00	Unit-I on Standby. Interim measure: Evacuation is through 33kV System.	
		Unit-II	3.69	-	-		
		<b>Total</b>	<b>3.69</b>	<b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b>	<b>100.00%</b>		

Note: Generation-Load Summary (MW) for 28-Feb-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)	631.40	1,437.41	-806.01

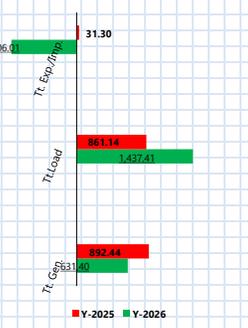
Note: Generation-Load Summary (MW) for 28-Feb-2025, at 18:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	892.44	861.14	31.30

Note: Daily Energy (MUs) and Power(MW) Statistics for 28-Feb-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross-border (MW)
1	13.74	33.07	19.34	0.00	-1,066.98

**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 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.