

THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 02-Jan-2026(-ve:import, +ve:export)							
Report	Date	Time	National Coincidental Peak Load (MW)		Date	Time	Load
Details	January 1, 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	185.48	400kV THP - Siliguri Line - I	0.00	Unit- IV,V,VI under Shutdown (Annual Maintenance). 400kV THP_SIL_Line-IV on Standby. 400kV THP-Malbase Line under Shutdown.	
		Unit-II	187.69	400kV THP - Siliguri Line - II	129.11		
		Unit-III	151.43	400kV THP - Siliguri Line - IV	0.00		
		Unit-IV	0.00	400kV THP - Malbase Line - III	391.25		
		Unit-V	0.00	400kV Malbase - Siliguri Line	61.00		
		Unit-VI	0.00	-	-		
		Total	524.60	Auxiliary Consumption & Transformation Losses at Generator end	0.81%		
2	4 x 180MW MHP	Unit-I	0.00	400kV MHP - Jigmeling Line - I	96.40	Unit-I under Shutdown (Annual Maintenance). Unit-IV on Standby. 400kV MHP-JIG Line - II and IV kept on Standby as other two Lines can cater the load.	
		Unit-II	140.83	400kV MHP - Jigmeling Line - II	0.00		
		Unit-III	151.48	400kV MHP - Jigmeling Line - III	96.90		
		Unit-IV	0.00	400kV MHP - Jigmeling Line - IV	0.00		
		-	-	220kV Jigmeling - BitDeer Line - I	202.54		
		-	-	220kV Jigmeling - BitDeer Line - II	202.78		
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	428.36		
		-	-	400kV Jigmeling - Alipurduar Line - I	-13.09		
		-	-	400kV Jigmeling - Alipurduar Line - II	-13.09		
		-	-	80MVA, 220/132kV ICT - I (HV)	-11.14		
		-	-	80MVA, 220/132kV ICT - II (HV)	-10.98		
		-	-	132kV MHP - Yurmo Line - II	69.96		
		-	-	132kV MHP - Tintibi Line	55.60		
		-	-	132kV Gelephu - Salakati Line	-62.42		
		Total	292.31	Auxiliary Consumption & Transformation Losses at Generator end	0.45%		
3	6 x 170MW PHP-II	Unit-I	0.00	400kV PHP II - Jigmeling -I	161.90	Unit-I & II under Shutdown (Annual Maintenance). Unit-III under Shutdown for runner inspection. Unit-V on Standby. 400kV PHP_II-Jigmeling-II on Standby. 400kV PHP_II-Alipurduar-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	146.80	400kV PHP II - Alipurduar -II	95.65		
		Unit-V	0.00	-	-		
		Unit-VI	120.00	-	-		
		Total	266.80	Auxiliary Consumption & Transformation Losses at Generator end	3.47%		
4	4 x 84MW CHP	Unit-I	74.64	220kV CHP - Birpara Line - I	-57.40	Unit-III under Shutdown (Upgradation works on common Emergency Cooling Water pipelines). Unit-II under Shutdown(Annual Maintenance).	
		Unit-II	0.00	220kV CHP - Birpara Line - II	-57.00		
		Unit-III	0.00	220kV CHP - Gedu	-45.58		
		Unit-IV	75.41	220kV CHP - Jamjee - I	102.80		
		-	-	220kV CHP - Jamjee - II	101.20		
		-	-	220kV CHP - Jamjee - III	100.20		
		-	-	220kV Malbase - Birpara Line	-45.00		
-	-	66kV CHP - Gedu Line	5.80				
Total	150.05	Auxiliary Consumption & Transformation Losses at Generator end	0.02%				
5	2 x 12MW BHP (U/S)	Unit-I	0.00	220kV BHP - Sertokha Line	51.65	L/S Unit-II under Shutdown. U/S unit-I on Standby.	
		Unit-II	7.90	66kV BHP - Lobeyssa Line	22.43		
		Total	7.90	220kV BHP - Tsirang Line	-50.98		
6	2 x 20MW BHP (L/S)	Unit-I	15.70	5MVA, 66/11kV TFR	0.73		
		Unit-II	0.00	30MVA ICT, 220/66kV (HV)	15.43		
		Total	15.70	Auxiliary Consumption & Transformation Losses at Generator end	-0.97%		
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	53.00		
		-	-	5MVA, 220/33kV TFR	0.20		
Total	0.00	Auxiliary Consumption & Transformation Losses at Generator end	0.00%				
8	4 x 15MW KHP	Unit-I	0.00	132kV KHP - Nangkor Line	8.20	Unit-I on Standby. Unit-III under Shutdown(AMP).	
		Unit-II	12.18	132kV KHP - Kilikhar Line	15.69		
		Unit-III	0.00	5MVA, 132/11kV TFR	0.44		
		Unit-IV	12.20	132kV Motanga - Rangia Line	-27.54		
		Total	24.38	Auxiliary Consumption & Transformation Losses at Generator end	0.21%		
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	28.06	132kV NHP-MHP-II	27.86		
		Total	28.06	Auxiliary Consumption & Transformation Losses at Generator end	0.71%		
10	2 x 9MW SHP	Unit-I	0.05	66kV SHP-Damdhum (Samtse)	0.00	Unit-II on Standby. At 12:12hrs Unit-I tripped feeding station load only. Interim measure: Evacuation is through 33kV	
		Unit-II	0.00	-	-		
		Total	0.05	Auxiliary Consumption & Transformation Losses at Generator end	100.00%		
Note: Generation-Load Summary (MW) for 01-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)	1,309.85	1,299.63	10.22			
Note: Generation-Load Summary (MW) for 01-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)	1,161.13	983.17	177.46			
Note: Daily Energy (MUs) and Power(MW) Statistics for 01-Jan-2026							
Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross-border (MW)		
1	19.06	30.66	11.59	0.00	-867.20		



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.

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