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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 16-Mar-2026(-ve:import, +ve:export)

Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time	Load
	March 15, 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	0.00	400kV THP - Siliguri Line - I	28.12	Unit-I, II & III (Penstock-I Shutdown). 400kV THP_SIL line II and 400kV THP-Norbugang-Siliguri under Shutdown.	
		Unit-II	0.00	400kV THP - Siliguri Line - II	0.00		
		Unit-III	0.00	400kV THP - Norbugang - IV	0.00		
		Unit-IV	120.36	400kV THP - Malbase Line - III	272.22		
		Unit-V	95.24	400kV Malbase - Siliguri Line	-18.00		
		Unit-VI	87.51	400kV Norbugang-Siliguri Line	0.00		
		Total	303.11	Auxiliary Consumption & Transformation Losses at Generator end	0.91%		
2	4 x 180MW MHP	Unit-I	40.79	400kV MHP - Jigmeling Line - I	0.00	Unit-III & IV under Shutdown. 400kV MHP-JLG Line - I & III on Standby.	
		Unit-II	140.01	400kV MHP - Jigmeling Line - II	53.39		
		Unit-III	0.00	400kV MHP - Jigmeling Line - III	0.00		
		Unit-IV	0.00	400kV MHP - Jigmeling Line - IV	53.63		
		-	-	220kV Jigmeling - BitDeer Line - I	173.35		
		-	-	220kV Jigmeling - BitDeer Line - II	153.88		
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	346.91		
		-	-	400kV Jigmeling - Alipurduar Line - I	-49.46		
		-	-	400kV Jigmeling - Alipurduar Line - II	-51.64		
		-	-	80MVA, 220/132kV ICT - I (HV)	-10.15		
		-	-	80MVA, 220/132kV ICT - II (HV)	-9.97		
		-	-	132kV MHP - Yurno Line - II	60.77		
		-	-	132kV MHP - Tintibi Line	39.09		
		-	-	132kV Gelephu - Salakati Line	-47.56		
		Total	180.80	Auxiliary Consumption & Transformation Losses at Generator end	0.92%		
3	6 x 170MW PHP-II	Unit-I	0.00	400kV PHP II - Jigmeling -I	0.00	Unit-I, II & IV under AMP. Unit-V under Shutdown. Unit-III on Standby. 400kV PHPII - JLG-I on Standby. 400kV PHPII - ALI-I on Standby.	
		Unit-II	0.00	400kV PHP II - Jigmeling -II	139.01		
		Unit-III	0.00	400kV PHP II - Alipurduar -I	0.00		
		Unit-IV	0.00	400kV PHP II - Alipurduar -II	21.45		
		Unit-V	0.00	-	-		
		Unit-VI	160.41	-	-		
		Total	160.41	Auxiliary Consumption & Transformation Losses at Generator end	-0.03%		
4	4 x 84MW CHP	Unit-I	49.77	220kV CHP - Birpara Line - I	-43.25	Unit-II & IV under Shutdown (Annual Maintenance).	
		Unit-II	0.00	220kV CHP - Birpara Line - II	-42.66		
		Unit-III	50.75	220kV CHP - Gedu	-15.55		
		Unit-IV	0.00	220kV CHP - Jamjee - I	66.21		
		-	-	220kV CHP - Jamjee - II	65.45		
		-	-	220kV CHP - Jamjee - III	66.02		
		-	-	220kV Malbase - Birpara Line	-43.01		
		-	-	66kV CHP - Gedu Line	5.96		
		Total	100.52	Auxiliary Consumption & Transformation Losses at Generator end	-1.65%		
5	2 x 12MW BHP (U/S)	Unit-I	0.00	220kV BHP - Semtokha Line	30.30	L/S Unit-I under AMP. U/S Unit-I under AMP.	
		Unit-II	6.45	66kV BHP - Lobeyssa Line	18.72		
		Total	6.45	220kV BHP - Tsirang Line	-30.15		
6	2 x 20MW BHP (L/S)	Unit-I	0.00	5MVA, 66/11kV TFR	0.42	Total Plant Shutdown from 10:27 hrs (09.10.2025) due to Seepage in HRC . 220kV DHP-Dagapela line & 220kV DHP-Tsirang line on Standby.	
		Unit-II	12.94	30MVA ICT, 220/66kV (HV)	12.99		
		Total	12.94	Auxiliary Consumption & Transformation Losses at Generator end	0.52%		
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 & 220kV DHP-Tsirang line on Standby.	
		Unit-II	0.00	220kV DHP - Dagapela Line	0.00		
		-	-	220kV BitDeer - Dagapela Line	42.58		
		-	-	5MVA, 220/33kV TFR	0.00		
		Total	0.00	Auxiliary Consumption & Transformation Losses at Generator end	0.00%		
8	4 x 15MW KHP	Unit-I	16.47	132kV KHP - Nangkor Line	29.30	Unit-II under AMP.	
		Unit-II	0.00	132kV KHP - Kilikhar Line	19.33		
		Unit-III	16.49	5MVA, 132/11kV TFR	0.41		
		Unit-IV	16.47	132kV Motanga - Rangia Line	4.20		
		Total	49.43	Auxiliary Consumption & Transformation Losses at Generator end	0.79%		
9	2 x 59MW NHP	Unit-I	28.01	132kV NHP-MHP-I	27.75	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		
		Total	28.01	Auxiliary Consumption & Transformation Losses at Generator end	0.93%		
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	1.01	-	-		
		Total	1.01	Auxiliary Consumption & Transformation Losses at Generator end	100.00%		
11	17.38 MWp Sephu (Solar)	Inverter-1	1.73	33kV SSP-Wangdue	6.54	All Inverter and 33kV Feedes are in service	
		Inverter-2	2.97	33kV SSP-Trongsa	6.56		
		Inverter-3	1.84	-	-		
		Inverter-4	3.86	-	-		
		Inverter-5	2.70	-	-		
		Total	13.11	Auxiliary Consumption & Transformation Losses at Generator end	0.06%		

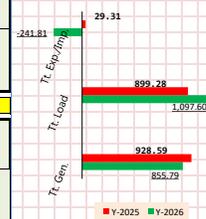
Note: Generation-Load Summary (MW) for 15-Mar-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	855.79	1,097.60	-241.81

Note: Generation-Load Summary (MW) for 15-Mar-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)	928.59	899.28	29.31

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 16-Mar-2026(-ve:import, +ve:export)

Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time	Load
	March 15, 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	0.00	400kV THP - Siliguri Line - I	-90.98	Unit-I, II & III (Penstock-I Shutdown). 400kV THP_SIL_line II and 400kV THP-Norbugang-Siliguri under Shutdown.	
		Unit-II	0.00	400kV THP - Siliguri Line - II	0.00		
		Unit-III	0.00	400kV THP - Norbugang Line - IV	0.00		
		Unit-IV	20.29	400kV THP - Malbase Line - III	151.61		
		Unit-V	9.98	400kV Malbase - Siliguri Line	-141.10		
		Unit-VI	31.59	400kV Norbugang-Siliguri Line	0.00		
		Total	61.86	Auxiliary Consumption & Transformation Losses at Generator end	1.99%		
2	4 x 180MW MHP	Unit-I	44.77	400kV MHP - Jigmeling Line - I	0.00	Unit-III & IV under Shutdown. 400kV MHP-JLG Line - I & III on Standby.	
		Unit-II	65.86	400kV MHP - Jigmeling Line - II	9.43		
		Unit-III	0.00	400kV MHP - Jigmeling Line - III	0.00		
		Unit-IV	0.00	400kV MHP - Jigmeling Line - IV	9.66		
		-	-	220kV Jigmeling - BitDeer Line - I	178.39		
		-	-	220kV Jigmeling - BitDeer Line - II	107.69		
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	333.46		
		-	-	400kV Jigmeling - Alipurduar Line - I	-49.46		
		-	-	400kV Jigmeling - Alipurduar Line - II	-46.55		
		-	-	80MVA, 220/132kV ICT - I (HV)	-14.82		
		-	-	80MVA, 220/132kV ICT - II (HV)	-14.61		
		-	-	132kV MHP - Yurmo Line - II	68.56		
		-	-	132kV MHP - Tintibi Line	49.25		
		-	-	132kV Gelephu - Salakati Line	-37.01		
		Total	110.63	Auxiliary Consumption & Transformation Losses at Generator end	1.36%		
3	6 x 170MW PHP-II	Unit-I	0.00	400kV PHP II - Jigmeling -I	154.00	Unit-I, II & IV under Shutdown (Annual Maintenance). Unit-V under Shutdown. Unit III on Standby. 400kV PHP II - JLG-I 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	31.66		
		Unit-V	0.00	-	-		
		Unit-VI	186.50	-	-		
Total	186.50	Auxiliary Consumption & Transformation Losses at Generator end	0.45%				
4	4 x 84MW CHP	Unit-I	60.45	220kV CHP - Birpara Line - I	-50.73	Unit-II & IV under Shutdown (Annual Maintenance).	
		Unit-II	0.00	220kV CHP - Birpara Line - II	-50.21		
		Unit-III	59.86	220kV CHP - Gedu	8.63		
		Unit-IV	0.00	220kV CHP - Jamjee - I	69.68		
		-	-	220kV CHP - Jamjee - II	67.70		
		-	-	220kV CHP - Jamjee - III	65.75		
		-	-	220kV Malbase - Birpara Line	-74.02		
-	-	66kV CHP - Gedu Line	7.39				
Total	120.31	Auxiliary Consumption & Transformation Losses at Generator end	1.75%				
5	2 x 12MW BHP (U/S)	Unit-I	0.00	220kV BHP - Sementokha Line	44.64	U/S unit-I under AMP. L/S Unit-I under AMP.	
		Unit-II	6.00	66kV BHP - Lobeyssa Line	23.12		
Total	6.00	220kV BHP - Tsirang Line	-50.00				
6	2 x 20MW BHP (L/S)	Unit-I	0.00	5MVA, 66/11kV TFR	0.63		
		Unit-II	12.71	30MVA ICT, 220/66kV (HV)	18.52		
Total	12.71	Auxiliary Consumption & Transformation Losses at Generator end	1.71%				
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 & 220kV DHP-Tsirang line on Standby.	
		Unit-II	0.00	220kV DHP - Dagapela Line	0.00		
		-	-	220kV BitDeer - Dagapela Line	42.30		
		-	-	5MVA, 220/33kV TFR	0.00		
Total	0.00	Auxiliary Consumption & Transformation Losses at Generator end	0.00%				
8	4 x 15MW KHP	Unit-I	15.20	132kV KHP - Nangkhor Line	12.49	Unit-IV on Standby. Unit-II under AMP.	
		Unit-II	0.00	132kV KHP - Kihkhar Line	17.21		
		Unit-III	15.18	5MVA, 132/11kV TFR	0.35		
		Unit-IV	0.00	132kV Motanga - Rangia Line	-1.40		
Total	30.38	Auxiliary Consumption & Transformation Losses at Generator end	1.09%				
9	2 x 59MW NHP	Unit-I	27.98	132kV NHP-MHP-I	27.78	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		
		Total	27.98	Auxiliary Consumption & Transformation Losses at Generator end	0.71%		
10	2 x 9MW SHP	Unit-I	0.00	66kV SHP-Damdhum (Samtse)	0.00	Unit-I on Standby. Unit II tripped at 17:47hrs. Interim measure: Evacuation is through 33kV System.	
		Unit-II	0.00	-	-		
		Total	0.00	Auxiliary Consumption & Transformation Losses at Generator end	0.00%		

Note: Generation-Load Summary (MW) for 15-Mar-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)	556.37	1,066.17	-509.80

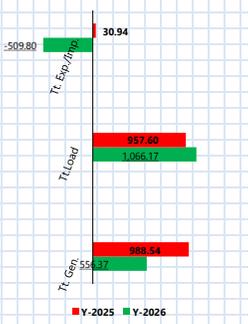
Note: Generation-Load Summary (MW) for 15-Mar-2025, at 18:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	988.54	957.60	30.94

Note: Daily Energy (MUs) and Power(MW) Statistics for 15-Mar-2026

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

19:00 hrs Statistical Comparison (MW) for this and last year



- 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.