ནུས་ཤུགས་དང་རང་བཞིན་ཐོན་སྐྱེད་ལྷན་ཁག དཔལ་ལྡན་འབྲུག་གཞུང་།

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 20-Jul-2026(-ve:import, +ve:export)

Report Details	Date	Time	National Coincidental Peak Load (MW)	Date	Time	Load
	July 19, 2026	9:00 AM		10-Jul-26	8:02:13	1,584.59

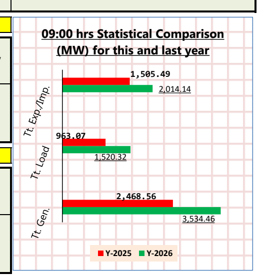
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	6 x 170 MW THP (Tala)	Unit- I	184.98	400kV THP - Siliguri Line - I	184.70	Unit-IV under Shutdown.
		Unit- II	185.70	400kV THP - Siliguri Line - II	183.55	
		Unit- III	185.11	400kV THP - Norbugang - IV	217.87	
		Unit- IV	0.00	400kV THP - Malbase Line - III	341.21	
		Unit- V	186.83	400kV Malbase - Siliguri Line	134.96	
		Unit- VI	185.11	400kV Norbugang-Siliguri Line	55.75	
		Total	**927.73**	**Auxiliary Consumption & Transformation Losses at Generator end**	**0.04%**	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.90	400kV MHP - Jigmeling Line - I	264.29	400kV MHP-JLG Line -III on Standby.
		Unit-II	197.89	400kV MHP - Jigmeling Line - II	263.70	
		Unit-III	192.72	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.32	400kV MHP - Jigmeling Line - IV	257.13	
		-	-	220kV Jigmeling - BitDeer Line - I	174.84	
		-	-	220kV Jigmeling - BitDeer Line - II	157.79	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	392.73	
		-	-	400kV Jigmeling - Alipurduar Line - I	321.46	
		-	-	400kV Jigmeling - Alipurduar Line - II	320.00	
		-	-	80MVA, 220/132kV ICT - I (HV)	30.12	
		-	-	80MVA, 220/132kV ICT - II (HV)	29.77	
		-	-	132kV MHP - Yurmo Line - II	56.87	
				132kV MHP - Tintibi Line	74.00	
		-	-	132kV Gelephu - Salakati Line	-16.51	
		Total	**786.83**	**Auxiliary Consumption & Transformation Losses at Generator end**	**-0.04%**	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit- I	180.00	400kV PHP II - Jigmeling -I	130.07	All Units & Feeders are in Service.
		Unit- II	168.98	400kV PHP II - Jigmeling -II	129.16	
		Unit- III	175.20	400kV PHP II - Alipurduar -I	393.68	
		Unit- IV	174.47	400kV PHP II - Alipurduar -II	393.33	
		Unit- V	172.35	-	-	
		Unit- VI	174.43	-	-	
		Total	**1,045.43**	**Auxiliary Consumption & Transformation Losses at Generator end**	**-0.08%**	
4	4 x 84 MW CHP (Chhukha)	Unit- I	91.48	220kV CHP - Birpara Line - I	13.62	All Units & Feeders are in Service.
		Unit- II	91.45	220kV CHP - Birpara Line - II	13.50	
		Unit- III	87.41	220kV CHP - Gedu	109.53	
		Unit- IV	91.47	220kV CHP - Jamjee - I	73.71	
		-	-	220kV CHP - Jamjee - II	72.71	
		-	-	220kV CHP - Jamjee - III	70.49	
		-	-	220kV Malbase - Birpara Line	-19.18	
		-	-	66kV CHP - Gedu Line	6.54	
		Total	**361.81**	**Auxiliary Consumption & Transformation Losses at Generator end**	**0.47%**	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit- I	12.06	220kV BHP - Semtokha Line	76.22	All Units & Feeders are in Service.
		Unit- II	9.85	66kV BHP - Lobeysa Line	24.82	
		Total	**21.91**	220kV BHP - Tsirang Line	-36.65	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit- I	20.41	5MVA, 66/11kV TFR	0.44	
		Unit- II	20.68	30MVA ICT, 220/66kV (HV)	1.52	
		Total	**41.09**	**Auxiliary Consumption & Transformation Losses at Generator end**	**-2.90%**	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	55.08	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	54.04	220kV DHP - Dagapela Line	109.00	
		-	-	220kV BitDeer - Dagapela Line	-69.37	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	**109.12**	**Auxiliary Consumption & Transformation Losses at Generator end**	**-0.07%**	
8	4 x 15 MW KHP (Kurichhu)	Unit- I	16.57	132kV KHP - Nangkhor Line	49.02	All Units and Feeders are in Service.
		Unit-II	16.49	132kV KHP - Kilikhar Line	15.89	
		Unit- III	15.98	5MVA, 132/11kV TFR	0.29	
		Unit- IV	16.69	132kV Motanga - Rangia Line	35.28	
		Total	**65.73**	**Auxiliary Consumption & Transformation Losses at Generator end**	**0.81%**	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.96	132kV NHP-MHP-I	64.43	All Units & Feeders are in Service.
		Unit-II	64.90	132kV NHP-MHP-II	64.44	
		Total	**129.86**	**Auxiliary Consumption & Transformation Losses at Generator end**	**0.76%**	
10	2 x 9 MW SHP (Suchhu)	Unit- I	0.00	66kV SHP-Damdhum (Samtse)	0.00	Both units are under Shutdown since 18:30 hrs (15.07.26) due to heavy tunnel leakage (penstock issue).
		Unit- II	0.00	-	-	
		Total	**0.00**	**Auxiliary Consumption & Transformation Losses at Generator end**	**0.00%**	
11	22.38 MWp SSP (Sephu Solar Plant)	Inverter-1	0.00	33kV SSP-Wangdue	0.00	33kV SSP-Wangdue line tripped at 08:58hrs.
		Inverter-2	0.00	33kV SSP-Trongsa	1.74	
		Inverter-3	0.00	-	-	
		Inverter-4	0.96	-	-	
		Inverter-5	0.78	-	-	
		Total	**1.74**	**Auxiliary Consumption & Transformation Losses at Generator end**	**-0.23%**	
12	2 x 16 MW YHP (Yungichhu)	Unit- I	0.00	132kV YHP-Kilikhar	15.04	Unit-I under Shutdown
		Unit- II	16.08	5MVA, 132/33kV TFR	0.81	
		Total	**16.08**	**Auxiliary Consumption & Transformation Losses at Generator end**	**1.43%**	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	26.80	Unit I under Shutdown.
		Unit-II	27.13	132kV BSHP-Tintibi	0.02	
		Total	**27.13**	**Auxiliary Consumption & Transformation Losses at Generator end**	**1.14%**	

Note: Generation-Load Summary (MW) for 19-Jul-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)	3,534.46	1,520.32	2,014.14

Note: Generation-Load Summary (MW) for 19-Jul-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)	2,468.56	963.07	1,505.49



THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 20-Jul-2026(-ve:import, +ve:export)

Report Details	Date	Time	National Coincidental Peak Load (MW)	Date	Time	Load
	July 19, 2026	19:00:00		10-Jul-26	8:02:13	1,584.59

Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	**6 x 170 MW THP** *(Tala)*	Unit- I	187.02	400kV THP - Siliguri Line - I	174.61	THP Unit IV under Shutdown.
		Unit- II	187.73	400kV THP - Siliguri Line - II	173.65	
		Unit- III	187.15	400kV THP - Norbugang Line - IV	219.42	
		Unit- IV	0.00	400kV THP - Malbase Line - III	359.81	
		Unit- V	186.87	400kV Malbase - Siliguri Line	119.37	
		Unit- VI	187.11	400kV Norbugang-Siliguri Line	64.00	
		Total	**935.88**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.90%	
2	**4 x 180 MW MHP** *(Mangdechhu)*	Unit-I	197.94	400kV MHP - Jigmeling Line - I	264.02	400kV MHP-JLG Line -III on Standby.
		Unit-II	197.89	400kV MHP - Jigmeling Line - II	263.40	
		Unit-III	192.61	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.46	400kV MHP - Jigmeling Line - IV	257.05	
		-	-	220kV Jigmeling - BitDeer Line - I	175.94	
		-	-	220kV Jigmeling - BitDeer Line - II	159.40	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	416.00	
		-	-	400kV Jigmeling - Alipurduar Line - I	314.91	
		-	-	400kV Jigmeling - Alipurduar Line - II	313.46	
		-	-	80MVA, 220/132kV ICT - I (HV)	40.92	
		-	-	80MVA, 220/132kV ICT - II (HV)	40.53	
		-	-	132kV MHP - Yurmo Line - II	57.97	
				132kV MHP - Tintibi Line	69.13	
		-	-	132kV Gelephu - Salakati Line	-13.62	
		Total	**786.90**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.54%	
3	**6 x 170 MW PHP-II** *(Punatsangchhu)*	Unit- I	180.00	400kV PHP II - Jigmeling -I	136.83	All Units & Feeders are in Service.
		Unit- II	170.45	400kV PHP II - Jigmeling -II	136.08	
		Unit- III	179.37	400kV PHP II - Alipurduar -I	391.09	
		Unit- IV	176.20	400kV PHP II - Alipurduar -II	390.33	
		Unit- V	173.59	-	-	
		Unit- VI	175.55	-	-	
		Total	**1,055.16**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.08%	
4	**4 x 84 MW CHP** *(Chhukha)*	Unit- I	91.49	220kV CHP - Birpara Line - I	14.82	All Units & Feeders are in Service.
		Unit- II	91.12	220kV CHP - Birpara Line - II	14.49	
		Unit- III	87.69	220kV CHP - Gedu	94.71	
		Unit- IV	91.62	220kV CHP - Jamjee - I	77.62	
		-	-	220kV CHP - Jamjee - II	76.94	
		-	-	220kV CHP - Jamjee - III	74.23	
		-	-	220kV Malbase - Birpara Line	-6.22	
		-	-	66kV CHP - Gedu Line	7.26	
		Total	**361.92**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.51%	
5	**2 x 12 MW BHP (U/S)** *(Basochhu)*	Unit- I	12.05	220kV BHP - Semtokha Line	74.46	All Units and Feeders are in Service.
		Unit- II	11.61	66kV BHP - Lobeysa Line	26.58	
		Total	**23.66**	220kV BHP - Tsirang Line	-36.44	
6	**2 x 20 MW BHP (L/S)** *(Basochhu)*	Unit- I	20.43	5MVA, 66/11kV TFR	0.63	
		Unit- II	20.65	30MVA ICT, 220/66kV (HV)	3.50	
		Total	**41.08**	**Auxiliary Consumption & Transformation Losses at Generator end**	-0.76%	
7	**2 x 63 MW DHP** *(Dagachhu)*	Unit-I	55.08	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	54.04	220kV DHP - Dagapela Line	109.08	
		-	-	220kV BitDeer - Dagapela Line	-67.37	
		-	-	5MVA, 220/33kV TFR	0.21	
		Total	**109.12**	**Auxiliary Consumption & Transformation Losses at Generator end**	-0.16%	
8	**4 x 15 MW KHP** *(Kurichhu)*	Unit- I	15.61	132kV KHP - Nangkhor Line	42.37	All Units & Feeders are in Service.
		Unit-II	16.35	132kV KHP - Kilikhar Line	19.10	
		Unit- III	14.91	5MVA, 132/11kV TFR	0.46	
		Unit- IV	15.60	132kV Motanga - Rangia Line	35.52	
		Total	**62.47**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.86%	
9	**2 x 59 MW NHP** *(Nikachhu)*	Unit-I	64.89	132kV NHP-MHP-I	64.48	All Units & Feeders are in Service.
		Unit-II	64.91	132kV NHP-MHP-II	64.45	
		Total	**129.80**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.67%	
10	**2 x 9 MW SHP** *(Suchhu)*	Unit- I	0.00	66kV SHP-Damdhum (Samtse)	0.00	Both units under Shutdown from 18:30 hrs(15.07.26) due to heavy tunnel leakage(penstock issue).
		Unit- II	0.00	-	-	
		Total	**0.00**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.00%	
11	**2 x 16 MW YHP** *(Yungichhu)*	Unit-I	0.00	132kV YHP-Kilikhar	14.23	Unit-I under Shutdown.
		Unit-II	16.08	5MVA, 132/33kV TFR	1.61	
		Total	**16.08**	**Auxiliary Consumption & Transformation Losses at Generator end**	1.49%	
12	**2 x 27 MW BSHP** *(Burgangchhu Small HP)*	Unit-I	0.00	132kV BSHP-Panbang	42.80	Unit-I under Shutdown.
		Unit-II	27.23	132kV BSHP-Tintibi	-15.91	
		Total	**27.23**	**Auxiliary Consumption & Transformation Losses at Generator end**	1.25%	

Note: Generation-Load Summary (MW) for 19-Jul-2026 at 18:00 hrs

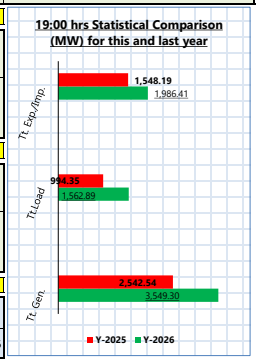
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,549.30	1,562.89	1,986.41

Note: Generation-Load Summary (MW) for 19-Jul-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)	2,542.54	994.35	1,548.19

Note: Daily Energy (MUs) and Power(MW) Statistics for 19-Jul-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross-border (MW)
1	85.214	36.35	0.00	48.86	2,204.86



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.