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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 13-Jul-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	July 12, 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	187.83	400kV THP - Siliguri Line - I	228.10	All Units & Feeders are in Service.
		Unit-II	187.22	400kV THP - Siliguri Line - II	226.43	
		Unit-III	187.16	400kV THP - Norbugang - IV	249.16	
		Unit-IV	186.93	400kV THP - Malbase Line - III	409.69	
		Unit-V	186.91	400kV Malbase - Siliguri Line	169.94	
		Unit-VI	187.11	400kV Norbugang-Siliguri Line	91.43	
		Total	1,122.86	Auxiliary Consumption & Transformation Losses at Generator end	0.84%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	189.78	400kV MHP - Jigmeling Line - I	0.00	400kV MHP-JLG line -I & II under Shutdown.
		Unit-II	191.68	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	189.15	400kV MHP - Jigmeling Line - III	383.59	
		Unit-IV	196.55	400kV MHP - Jigmeling Line - IV	383.21	
		-	-	220kV Jigmeling - BitDeer Line - I	197.03	
		-	-	220kV Jigmeling - BitDeer Line - II	177.47	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	417.82	
		-	-	400kV Jigmeling - Alipurduar Line - I	301.82	
		-	-	400kV Jigmeling - Alipurduar Line - II	302.55	
		-	-	80MVA, 220/132kV ICT - I (HV)	22.50	
		-	-	80MVA, 220/132kV ICT - II (HV)	22.24	
		-	-	132kV MHP - Yurmo Line - II	47.32	
		-	-	132kV MHP - Tintibi Line	67.55	
		-	-	132kV Gelephu - Salakati Line	-11.46	
		Total	767.16	Auxiliary Consumption & Transformation Losses at Generator end	0.24%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	171.07	400kV PHP II - Jigmeling -I	134.54	All Units & Feeders are in Service.
		Unit-II	164.63	400kV PHP II - Jigmeling -II	133.69	
		Unit-III	171.48	400kV PHP II - Alipurduar -I	376.98	
		Unit-IV	169.94	400kV PHP II - Alipurduar -II	376.57	
		Unit-V	169.67	-	-	
		Unit-VI	170.15	-	-	
		Total	1,016.94	Auxiliary Consumption & Transformation Losses at Generator end	-0.48%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.58	220kV CHP - Birpara Line - I	20.17	All Units & Feeders are in Service.
		Unit-II	91.37	220kV CHP - Birpara Line - II	19.70	
		Unit-III	88.92	220kV CHP - Gedu	95.50	
		Unit-IV	91.73	220kV CHP - Jamjee - I	73.23	
		-	-	220kV CHP - Jamjee - II	72.87	
		-	-	220kV CHP - Jamjee - III	70.27	
		-	-	220kV Malbase - Birpara Line	1.88	
		-	-	66kV CHP - Gedu Line	9.08	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	10.56	220kV BHP - Semtokha Line	60.20	All Units & Feeders are in Service.
		Unit-II	8.62	66kV BHP - Lobeysa Line	20.20	
		Total	19.18	220kV BHP - Tsirang Line	-23.08	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	19.22	5MVA, 66/11kV TFR	0.27	All Units & Feeders are in Service.
		Unit-II	19.38	30MVA ICT, 220/66kV (HV)	0.10	
		Total	38.60	Auxiliary Consumption & Transformation Losses at Generator end	0.33%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	0.00	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang on Standby
		Unit-II	52.04	220kV DHP - Dagapela Line	51.29	
		-	-	220kV BitDeer - Dagapela Line	-6.93	
		-	-	5MVA, 220/33kV TFR	0.30	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.19	132kV KHP - Nangkhor Line	53.83	All Units and Feeders are in Service.
		Unit-II	16.64	132kV KHP - Kilikhar Line	11.24	
		Unit-III	16.55	5MVA, 132/11kV TFR	0.40	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	57.22	132kV NHP-MHP-I	56.79	All Units & Feeders are in Service.
		Unit-II	59.97	132kV NHP-MHP-II	59.59	
		Total	117.19	Auxiliary Consumption & Transformation Losses at Generator end	0.69%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.03	66kV SHP-Damdhum (Samtse)	0.00	66kV SHP-SAM line is in Idle Charged at SAM end since 19:00 hrs YESTERDAY.
		Unit-II	5.06	-	-	
		Total	10.09	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	22.38 MWp SSP (Sephu Solar Plant)	Inverter-1	0.54	33kV SSP-Wangdue	2.04	All inverters and Feeder in service
		Inverter-2	0.67	33kV SSP-Trongsa	2.09	
		Inverter-3	0.85	-	-	
		Inverter-4	1.23	-	-	
		Inverter-5	0.86	-	-	
		Total	4.15	Auxiliary Consumption & Transformation Losses at Generator end	0.36%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	15.01	Unit-I under Shutdown.
		Unit-II	16.01	5MVA, 132/33kV TFR	0.78	
		Total	16.01	Auxiliary Consumption & Transformation Losses at Generator end	1.37%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	0.00	Unit I under Shutdown.
		Unit-II	27.17	132kV BSHP-Tintibi	26.85	
		Total	27.17	Auxiliary Consumption & Transformation Losses at Generator end	1.18%	

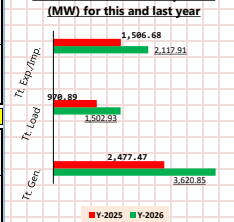
Note: Generation-Load Summary (MW) for 12-Jul-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,620.85	1,502.93	2,117.91

Note: Generation-Load Summary (MW) for 12-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)	2,477.47	970.89	1,506.68

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 13-Jul-2026(+ve:import, +ve:export)							
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time	Load
	July 12, 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	186.53	400kV THP - Siliguri Line - I	200.93	All Feeders & Units are in Service.	
		Unit-II	187.66	400kV THP - Siliguri Line - II	199.31		
		Unit-III	187.09	400kV THP - Norbugang Line - IV	237.10		
		Unit-IV	187.27	400kV THP - Malbase Line - III	413.38		
		Unit-V	144.02	400kV Malbase - Siliguri Line	136.19		
		Unit-VI	167.14	400kV Norbugang-Siliguri Line	80.65		
		Total	1,059.71	Auxiliary Consumption & Transformation Losses at Generator end	0.85%		
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	180.82	400kV MHP - Jigmeling Line - I	0.00	400kV MHP-JLG line -I & II under Shutdown.	
		Unit-II	179.91	400kV MHP - Jigmeling Line - II	0.00		
		Unit-III	172.52	400kV MHP - Jigmeling Line - III	361.93		
		Unit-IV	190.32	400kV MHP - Jigmeling Line - IV	361.73		
		-	-	220kV Jigmeling - BitDeer Line - I	179.26		
		-	-	220kV Jigmeling - BitDeer Line - II	162.17		
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	414.55		
		-	-	400kV Jigmeling - Alipurdwar Line - I	266.18		
		-	-	400kV Jigmeling - Alipurdwar Line - II	265.46		
		-	-	80MVA, 220/132kV ICT - I (HV)	37.25		
		-	-	80MVA, 220/132kV ICT - II (HV)	36.89		
		-	-	132kV MHP - Yumo Line - II	52.33		
		-	-	132kV MHP - Tintibi Line	74.61		
		-	-	132kV Gelephu - Salakati Line	-12.58		
		Total	723.57	Auxiliary Consumption & Transformation Losses at Generator end	0.27%		
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	151.72	400kV PHP II - Jigmeling -I	118.95	All Units & Feeders are in Service.	
		Unit-II	150.50	400kV PHP II - Jigmeling -II	118.07		
		Unit-III	149.81	400kV PHP II - Alipurdwar -I	333.21		
		Unit-IV	150.66	400kV PHP II - Alipurdwar -II	333.06		
		Unit-V	150.26	-	-		
		Unit-VI	149.92	-	-		
		Total	902.87	Auxiliary Consumption & Transformation Losses at Generator end	-0.05%		
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.58	220kV CHP - Birpara Line - I	16.76	All Units & Feeder are in Service.	
		Unit-II	91.37	220kV CHP - Birpara Line - II	16.70		
		Unit-III	88.92	220kV CHP - Gedu	75.81		
		Unit-IV	91.73	220kV CHP - Jamjee - I	82.40		
		-	-	220kV CHP - Jamjee - II	81.48		
		-	-	220kV CHP - Jamjee - III	78.64		
		-	-	220kV Malbase - Birpara Line	10.73		
		-	-	66kV CHP - Gedu Line	9.17		
		Total	363.60	Auxiliary Consumption & Transformation Losses at Generator end	0.73%		
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	12.03	220kV BHP - Sertokha Line	61.00	All Units and Feeders are in Service.	
		Unit-II	11.00	66kV BHP - Lobeysa Line	26.47		
		Total	23.03	220kV BHP - Tsirang Line	-23.78		
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	20.42	5MVA, 66/11kV TFR	0.66		
		Unit-II	20.58	30MVA ICT, 220/66kV (HV)	3.43		
		Total	41.00	Auxiliary Consumption & Transformation Losses at Generator end	-0.50%		
7	2 x 63 MW DHP (Dagachhu)	Unit-I	45.54	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang on Standby	
		Unit-II	45.04	220kV DHP - Dagapela Line	89.34		
		-	-	220kV BitDeer - Dagapela Line	-47.13		
		-	-	5MVA, 220/33kV TFR	0.22		
		Total	90.58	Auxiliary Consumption & Transformation Losses at Generator end	1.13%		
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.21	132kV KHP - Nangkhor Line	45.33	All Units & Feeders are in Service.	
		Unit-II	16.43	132kV KHP - Kilikhar Line	19.41		
		Unit-III	16.59	5MVA, 132/11kV TFR	0.50		
		Unit-IV	16.57	132kV Motanga - Rangia Line	47.76		
		Total	65.80	Auxiliary Consumption & Transformation Losses at Generator end	0.85%		
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.92	132kV NHP-MHP-I	64.42	All Units & Feeders are in Service.	
		Unit-II	64.81	132kV NHP-MHP-II	64.53		
		Total	129.73	Auxiliary Consumption & Transformation Losses at Generator end	0.60%		
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.02	66kV SHP-Damdum (Samtse)	0.00	66kV SHP-SAM line is in Idle Charged at SAM end since 19:00 hrs YESTERDAY.	
		Unit-II	5.06	-	-		
		Total	10.08	Auxiliary Consumption & Transformation Losses at Generator end	100.00%		
11	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	14.40	Unit-I under Shutdown.	
		Unit-II	16.22	5MVA, 132/33kV TFR	1.58		
		Total	16.22	Auxiliary Consumption & Transformation Losses at Generator end	1.48%		
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	0.00	132kV BSHP-Panbang	37.71	Unit-I under Shutdown.	
		Unit-II	27.22	132kV BSHP-Tintibi	-10.91		
		Total	27.22	Auxiliary Consumption & Transformation Losses at Generator end	1.54%		

Note: Generation-Load Summary (MW) for 12-Jul-2026 at 18:00 hrs

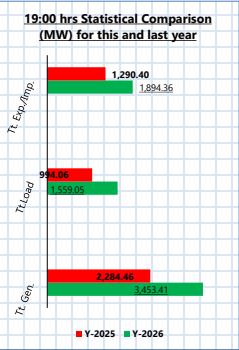
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,453.41	1,559.05	1,894.36

Note: Generation-Load Summary (MW) for 12-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)	2,284.46	994.06	1,290.40

Note: Daily Energy (MUS) and Power(MW) Statistics for 12-Jul-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	85.226	35.69	0.00	49.54	2,269.85



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 not 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.