

THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 03-Sep-2026(+ve:import,+ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	September 2, 2026	19:00:00			06-Aug-26	19:11:47
						1,615.00
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	6 x 170 MW THP (Tala)	Unit-I	187.59	400kV THP - Siliguri Line - I	205.78	All Units and Feeders are in Service.
		Unit-II	187.69	400kV THP - Siliguri Line - II	204.43	
		Unit-III	187.02	400kV THP - Norbugang Line - IV	247.63	
		Unit-IV	186.64	400kV THP - Malbase Line - III	455.48	
		Unit-V	186.88	400kV Malbase - Siliguri Line	133.49	
		Unit-VI	187.02	400kV Norbugang-Siliguri Line	83.00	
		Total	1,122.84	Auxiliary Consumption & Transformation Losses at Generator end	0.85%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.72	400kV MHP - Jigmeling Line - I	264.62	400kV MHP-JLG Line -III on Standby.
		Unit-II	197.76	400kV MHP - Jigmeling Line - II	263.98	
		Unit-III	194.03	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.23	400kV MHP - Jigmeling Line - IV	257.65	
		-	-	220kV Jigmeling - BitDeer Line - I	178.74	
		-	-	220kV Jigmeling - BitDeer Line - II	161.93	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	430.55	
		-	-	400kV Jigmeling - Aliparduar Line - I	272.73	
		-	-	400kV Jigmeling - Aliparduar Line - II	271.27	
		-	-	80MVA, 220/132kV ICT - I (HV)	45.58	
		-	-	80MVA, 220/132kV ICT - II (HV)	45.17	
		-	-	132kV MHP - Yumo Line - II	59.87	
		-	-	132kV MHP - Tintibi Line	66.70	
		-	-	132kV Gelephu - Salakati Line	-11.98	
		Total	787.74	Auxiliary Consumption & Transformation Losses at Generator end	0.49%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	187.00	400kV PHP II - Jigmeling -I	98.55	Unit VI under Shutdown.
		Unit-II	175.16	400kV PHP II - Jigmeling -II	97.90	
		Unit-III	185.71	400kV PHP II - Aliparduar -I	327.58	
		Unit-IV	185.19	400kV PHP II - Aliparduar -II	327.23	
		Unit-V	120.07	-	-	
		Unit-VI	0.00	-	-	
		Total	853.13	Auxiliary Consumption & Transformation Losses at Generator end	0.22%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.39	220kV CHP - Birpara Line - I	-0.36	Unit-III Tripped on 19:36hrs (27.08.2026) on operation of PRV of GT-09 of R-Phase
		Unit-II	91.20	220kV CHP - Birpara Line - II	-0.35	
		Unit-III	0.00	220kV CHP - Gedu	35.32	
		Unit-IV	91.52	220kV CHP - Jamjee - I	78.92	
		-	-	220kV CHP - Jamjee - II	78.46	
		-	-	220kV CHP - Jamjee - III	75.55	
		-	-	220kV Malbase - Birpara Line	14.78	
		-	-	66kV CHP - Gedu Line	5.45	
		Total	274.11	Auxiliary Consumption & Transformation Losses at Generator end	0.41%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	12.02	220kV BHP - Semtokha Line	78.10	All Units & Feeders are in Service.
		Unit-II	9.82	66kV BHP - Lobeyssa Line	27.53	
		Total	21.84	220kV BHP - Tsirang Line	-43.94	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	20.43	5MVA, 66/11kV TFR	0.69	
		Unit-II	20.68	30MVA ICT, 220/66kV (HV)	4.60	
		Total	41.11	Auxiliary Consumption & Transformation Losses at Generator end	0.91%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	62.69	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	53.04	220kV DHP - Dagapela Line	115.10	
		-	-	220kV BitDeer - Dagapela Line	-73.20	
		-	-	5MVA, 220/33kV TFR	0.30	
		Total	115.73	Auxiliary Consumption & Transformation Losses at Generator end	0.29%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.52	132kV KHP - Nangkor Line	52.51	All Units & Feeders are in Service.
		Unit-II	16.58	132kV KHP - Kilikhar Line	12.69	
		Unit-III	16.51	5MVA, 132/11kV TFR	0.44	
		Unit-IV	16.43	132kV Motanga - Rangla Line	38.37	
		Total	66.04	Auxiliary Consumption & Transformation Losses at Generator end	0.61%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.94	132kV NHP-MHP-I	64.45	All Units & Feeders are in Service.
		Unit-II	64.95	132kV NHP-MHP-II	64.46	
		Total	129.89	Auxiliary Consumption & Transformation Losses at Generator end	0.75%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	9.00	66kV SHP-Damdhum (Samtse)	8.87	SHP Unit-II under Shutdown.
		Unit-II	0.00	-	-	
		Total	9.00	Auxiliary Consumption & Transformation Losses at Generator end	1.44%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	16.34	132kV YHP-Kilikhar	30.11	All Units and Feeders are in Service.
		Unit-II	16.01	5MVA, 132/33kV TFR	1.77	
		Total	32.35	Auxiliary Consumption & Transformation Losses at Generator end	1.45%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	25.06	132kV BSHP-Panbang	52.38	All Units and feeders are in Service.
		Unit-II	7.38	132kV BSHP-Tintibi	-20.20	
		Total	32.44	Auxiliary Consumption & Transformation Losses at Generator end	0.80%	

Note: Generation-Load Summary (MW) for 02-Sep-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)	3,486.22	1,620.25	1,865.97

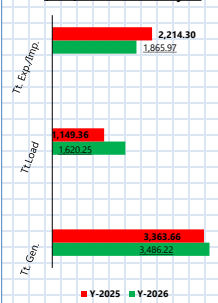
Note: Generation-Load Summary (MW) for 02-Sep-2025, at 19:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,363.66	1,149.36	2,214.30

Note: Daily Energy (MUS) and Power(MW) Statistics for 02-Sep-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	82.39	37.46	0.00	44.93	1,951.21

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 not 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.



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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 03-Sep-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	September 3, 2026	9:00 AM			06-Aug-26	19:11:47
						1,615.00
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	6 x 170 MW THP (Tala)	Unit-I	187.60	400kV THP - Siliguri Line - I	222.88	All Units and Feeders are in Service.
		Unit-II	187.66	400kV THP - Siliguri Line - II	221.34	
		Unit-III	187.06	400kV THP - Norbugang - IV	246.54	
		Unit-IV	186.57	400kV THP - Malbase Line - III	422.75	
		Unit-V	186.95	400kV Malbase - Siliguri Line	161.25	
		Unit-VI	187.07	400kV Norbugang-Siliguri Line	83.00	
		Total	1,122.91	Auxiliary Consumption & Transformation Losses at Generator end	0.84%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.85	400kV MHP - Jigmeling Line - I	264.62	400kV MHP-JLG Line -III on Standby.
		Unit-II	197.80	400kV MHP - Jigmeling Line - II	263.80	
		Unit-III	193.62	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.41	400kV MHP - Jigmeling Line - IV	257.62	
		-	-	220kV Jigmeling - BitDeer Line - I	176.53	
		-	-	220kV Jigmeling - BitDeer Line - II	158.83	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	377.46	
		-	-	400kV Jigmeling - Alipurduar Line - I	306.91	
		-	-	400kV Jigmeling - Alipurduar Line - II	307.64	
		-	-	80MVA, 220/132kV ICT - I (HV)	21.72	
		-	-	80MVA, 220/132kV ICT - II (HV)	21.47	
		-	-	132kV MHP - Yurmo Line - II	54.51	
		-	-	132kV MHP - Tintibi Line	72.34	
		-	-	132kV Gelephu - Salakati Line	-21.40	
		Total	787.68	Auxiliary Consumption & Transformation Losses at Generator end	0.48%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	185.93	400kV PHP II - Jigmeling -I	105.53	
		Unit-II	189.18	400kV PHP II - Jigmeling -II	105.16	
		Unit-III	185.22	400kV PHP II - Alipurduar -I	365.52	
		Unit-IV	186.06	400kV PHP II - Alipurduar -II	364.56	
		Unit-V	19.02			
		Unit-VI	181.16			
		Total	937.57	Auxiliary Consumption & Transformation Losses at Generator end	-0.34%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.47	220kV CHP - Birpara Line - I	-0.49	Unit-III Tripped on 19:36hrs (27.08.2026) on operation of PRV of GT-09 of R-Phase
		Unit-II	91.41	220kV CHP - Birpara Line - II	-0.67	
		Unit-III	0.00	220kV CHP - Gedu	82.14	
		Unit-IV	91.50	220kV CHP - Jamjee - I	62.84	
		-	-	220kV CHP - Jamjee - II	62.10	
		-	-	220kV CHP - Jamjee - III	60.07	
		-	-	220kV Malbase - Birpara Line	-22.45	
		-	-	66kV CHP - Gedu Line	6.79	
		Total	274.38	Auxiliary Consumption & Transformation Losses at Generator end	0.58%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	12.00	220kV BHP - Semtokha Line	95.96	All Units & Feeders are in Service.
		Unit-II	11.99	66kV BHP - Lobeysa Line	23.94	
		Total	23.99	220kV BHP - Tsirang Line	-55.21	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	20.46	5MVA, 66/11kV TFR	0.24	
		Unit-II	20.57	30MVA ICT, 220/66kV (HV)	0.54	
		Total	41.03	Auxiliary Consumption & Transformation Losses at Generator end	0.14%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	62.64	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	53.03	220kV DHP - Dagapela Line	114.50	
		-	-	220kV BitDeer - Dagapela Line	-71.23	
		-	-	5MVA, 220/33kV TFR	0.25	
		Total	115.67	Auxiliary Consumption & Transformation Losses at Generator end	0.80%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.39	132kV KHP - Nangkhor Line	56.39	All Units & Feeders are in Service.
		Unit-II	16.53	132kV KHP - Kilikhar Line	6.43	
		Unit-III	15.17	5MVA, 132/11kV TFR	0.35	
		Unit-IV	15.54	132kV Motanga - Rangja Line	39.33	
		Total	63.63	Auxiliary Consumption & Transformation Losses at Generator end	0.72%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.88	132kV NHP-MHP-I	64.45	All Units & Feeders are in Service.
		Unit-II	64.97	132kV NHP-MHP-II	64.51	
		Total	129.85	Auxiliary Consumption & Transformation Losses at Generator end	0.69%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	9.02	66kV SHP-Damdhum (Samtse)	8.90	Unit-II under Shutdown.
		Unit-II	0.00		-	
		Total	9.02	Auxiliary Consumption & Transformation Losses at Generator end	1.33%	
11	22.38 MWp SSP (Sephu Solar Plant)	Inverter-1	0.99	33kV SSP-Wangdue	5.54	All Inverters and Feeders in Service
		Inverter-2	2.17	33kV SSP-Trongsa	4.97	
		Inverter-3	2.39		-	
		Inverter-4	2.32		-	
		Inverter-5	2.66		-	
		Total	10.52	Auxiliary Consumption & Transformation Losses at Generator end	0.06%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	16.03	132kV YHP-Kilikhar	30.84	All Units and Feeders are in Service.
		Unit-II	16.01	5MVA, 132/33kV TFR	0.75	
		Total	32.04	Auxiliary Consumption & Transformation Losses at Generator end	1.40%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	27.07	132kV BSHP-Panbang	32.29	
		Unit-II	17.26	132kV BSHP-Tintibi	11.63	
		Total	44.33	Auxiliary Consumption & Transformation Losses at Generator end	0.92%	

Note: Generation-Load Summary (MW) for 03-Sep-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)	3,592.62	1,565.20	2,027.42

Note: Generation-Load Summary (MW) for 03-Sep-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)	3,290.95	1,082.26	2,208.69

09:00 hrs Statistical Comparison (MW) for this and last year

