

THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 13-Sep-2026(+ve:import,+ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	September 12, 2026	19:00:00			08-Sep-26	19:01:50
						1,645.81
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	6 x 170 MW THP (Tala)	Unit-I	187.51	400kV THP - Siliguri Line - I	269.78	400kV THP-Norbugang-IV & 400kV Norbugang-Siliguri Line tripped at 00:29 hrs (11.09.2026). (Both Lines are currently under maintenance)
		Unit-II	187.66	400kV THP - Siliguri Line - II	268.17	
		Unit-III	187.06	400kV THP - Norbugang Line - IV	0.00	
		Unit-IV	187.10	400kV THP - Malbase Line - III	575.62	
		Unit-V	186.78	400kV Malbase - Siliguri Line	180.95	
		Unit-VI	187.04	400kV Norbugang-Siliguri Line	0.00	
		Total	1,123.15	Auxiliary Consumption & Transformation Losses at Generator end	0.85%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.78	400kV MHP - Jigmeling Line - I	264.91	400kV MHP-JLG Line -III on Standby.
		Unit-II	197.69	400kV MHP - Jigmeling Line - II	264.52	
		Unit-III	195.48	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.48	400kV MHP - Jigmeling Line - IV	258.07	
		-	-	220kV Jigmeling - BitDeer Line - I	181.98	
		-	-	220kV Jigmeling - BitDeer Line - II	164.74	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	422.55	
		-	-	400kV Jigmeling - Alipurdur Line - I	289.46	
		-	-	400kV Jigmeling - Alipurdur Line - II	288.73	
		-	-	80MVA, 220/132kV ICT - I (HV)	38.63	
		-	-	80MVA, 220/132kV ICT - II (HV)	38.25	
		-	-	132kV MHP - Yumo Line - II	60.24	
		-	-	132kV MHP - Tintibi Line	66.67	
		-	-	132kV Gelephu - Salakati Line	-7.56	
		Total	789.43	Auxiliary Consumption & Transformation Losses at Generator end	0.49%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	186.00	400kV PHP II - Jigmeling -I	112.03	Unit-V under Shutdown.
		Unit-II	181.23	400kV PHP II - Jigmeling -II	111.08	
		Unit-III	186.28	400kV PHP II - Alipurdur -I	352.34	
		Unit-IV	187.00	400kV PHP II - Alipurdur -II	351.78	
		Unit-V	0.00	-	-	
		Unit-VI	186.09	-	-	
		Total	926.60	Auxiliary Consumption & Transformation Losses at Generator end	-0.07%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.30	220kV CHP - Birpara Line - I	16.11	All Units and Feeders are in Service.
		Unit-II	91.00	220kV CHP - Birpara Line - II	15.80	
		Unit-III	91.58	220kV CHP - Gedu	98.90	
		Unit-IV	91.39	220kV CHP - Jamjee - I	75.56	
		-	-	220kV CHP - Jamjee - II	75.27	
		-	-	220kV CHP - Jamjee - III	72.46	
		-	-	220kV Malbase - Birpara Line	-7.12	
		-	-	66kV CHP - Gedu Line	9.16	
		Total	365.27	Auxiliary Consumption & Transformation Losses at Generator end	0.55%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	12.01	220kV BHP - Sertokha Line	73.28	All Units & Feeders are in Service.
		Unit-II	12.00	66kV BHP - Lobeyssa Line	27.98	
		Total	24.01	220kV BHP - Tsirang Line	-37.06	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	28.45	5MVA, 66/11kV TFR	0.70	
		Unit-II	28.73	30MVA ICT, 220/66kV (HV)	5.06	
		Total	41.18	Auxiliary Consumption & Transformation Losses at Generator end	0.44%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	51.57	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	49.03	220kV DHP - Dagapela Line	100.20	
		-	-	220kV BitDeer - Dagapela Line	-56.19	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	100.60	Auxiliary Consumption & Transformation Losses at Generator end	0.20%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.48	132kV KHP - Nangkor Line	53.20	All Units & Feeders are in Service.
		Unit-II	16.46	132kV KHP - Kilikhar Line	11.12	
		Unit-III	16.54	5MVA, 132/11kV TFR	1.05	
		Unit-IV	16.58	132kV Motanga - Rangla Line	50.82	
		Total	66.06	Auxiliary Consumption & Transformation Losses at Generator end	1.04%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	64.91	132kV NHP-MHP-I	64.45	All Units & Feeders are in Service.
		Unit-II	64.89	132kV NHP-MHP-II	64.43	
		Total	129.80	Auxiliary Consumption & Transformation Losses at Generator end	0.71%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	6.00	66kV SHP-Damdhum (Samtse)	5.90	Unit II under Shutdown
		Unit-II	0.00	-	-	
		Total	6.00	Auxiliary Consumption & Transformation Losses at Generator end	1.67%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	16.34	132kV YHP-Kilikhar	30.34	All Units and Feeders are in Service.
		Unit-II	16.06	5MVA, 132/33kV TFR	1.60	
		Total	32.40	Auxiliary Consumption & Transformation Losses at Generator end	1.42%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	27.16	132kV BSHP-Panbang	54.29	All Units and feeders are in Service.
		Unit-II	27.24	132kV BSHP-Tintibi	-0.51	
		Total	54.40	Auxiliary Consumption & Transformation Losses at Generator end	1.14%	

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

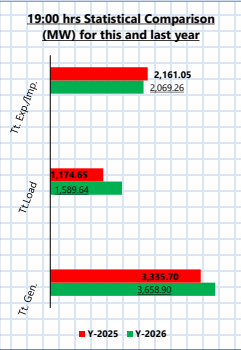
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	3,658.90	1,589.64	2,069.26

Note: Generation-Load Summary (MW) for 12-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)	3,335.70	1,174.65	2,161.05

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

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	81.39	35.86	0.00	45.53	2,147.94



- 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 13-Sep-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	September 13, 2026	9:00 AM			08-Sep-26	19:01:50
						1,645.81
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	6 x 170 MW THP (Tala)	Unit-I	187.49	400kV THP - Siliguri Line - I	291.41	400kV THP-Norbugang-IV & 400kV Norbugang-Siliguri Line tripped at 00:29 hrs (11.09.2026). (Both the Lines are under Shutdown)
		Unit-II	187.61	400kV THP - Siliguri Line - II	289.64	
		Unit-III	187.85	400kV THP - Norbugang - IV	0.00	
		Unit-IV	187.16	400kV THP - Malbase Line - III	532.28	
		Unit-V	186.85	400kV Malbase - Siliguri Line	215.39	
		Unit-VI	187.04	400kV Norbugang-Siliguri Line	0.00	
		Total	1,123.20	Auxiliary Consumption & Transformation Losses at Generator end	0.88%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	197.64	400kV MHP - Jigmeling Line - I	264.71	400kV MHP-JLG Line -III on Standby. 132kV GEL-SAL line under shutdown.
		Unit-II	197.81	400kV MHP - Jigmeling Line - II	263.89	
		Unit-III	194.25	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	198.26	400kV MHP - Jigmeling Line - IV	257.48	
		-	-	220kV Jigmeling - BitDeer Line - I	181.59	
		-	-	220kV Jigmeling - BitDeer Line - II	163.41	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	393.46	
		-	-	400kV Jigmeling - Alipurdhar Line - I	297.46	
		-	-	400kV Jigmeling - Alipurdhar Line - II	297.46	
		-	-	80MVA, 220/132kV ICT - I (HV)	24.92	
		-	-	80MVA, 220/132kV ICT - II (HV)	24.79	
		-	-	132kV MHP - Yurmo Line - II	58.20	
		-	-	132kV MHP - Tintibi Line	56.00	
		-	-	132kV Gelephu - Salakati Line	0.00	
		Total	787.96	Auxiliary Consumption & Transformation Losses at Generator end	1.48%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	186.00	400kV PHP II - Jigmeling -I	107.18	Unit-III tripped at 03:33 hrs 400kV PHP II-Jigmeling -I tripped at 03:48 hrs. Unit V under Shutdown.
		Unit-II	181.27	400kV PHP II - Jigmeling -II	106.44	
		Unit-III	186.43	400kV PHP II - Alipurdhar -I	358.30	
		Unit-IV	186.27	400kV PHP II - Alipurdhar -II	357.69	
		Unit-V	0.00	-	-	
		Unit-VI	186.38	-	-	
		Total	926.33	Auxiliary Consumption & Transformation Losses at Generator end	-0.35%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.46	220kV CHP - Birpara Line - I	3.58	All Units and Feeders are in Service.
		Unit-II	91.35	220kV CHP - Birpara Line - II	3.28	
		Unit-III	91.38	220kV CHP - Gedu	138.50	
		Unit-IV	91.23	220kV CHP - Jamjee - I	70.52	
		-	-	220kV CHP - Jamjee - II	69.75	
		-	-	220kV CHP - Jamjee - III	67.31	
		-	-	220kV Malbase - Birpara Line	-57.99	
		-	-	66kV CHP - Gedu Line	10.56	
		Total	365.42	Auxiliary Consumption & Transformation Losses at Generator end	0.53%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	12.01	220kV BHP - Semtokha Line	82.78	All Units & Feeders are in Service.
		Unit-II	12.00	66kV BHP - Lobeysa Line	25.97	
		Total	24.01	220kV BHP - Tsirang Line	-44.03	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	20.43	5MVA, 66/11kV TFR	0.44	All Units & Feeders are in Service.
		Unit-II	20.65	30MVA ICT, 220/66kV (HV)	2.76	
		Total	41.08	Auxiliary Consumption & Transformation Losses at Generator end	-0.11%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	59.18	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Standby.
		Unit-II	53.01	220kV DHP - Dagapela Line	112.00	
		-	-	220kV BitDeer - Dagapela Line	-67.32	
		-	-	5MVA, 220/33kV TFR	0.30	
		Total	112.19	Auxiliary Consumption & Transformation Losses at Generator end	-0.10%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.48	132kV KHP - Nangkor Line	59.30	All Units & Feeders are in Service.
		Unit-II	16.48	132kV KHP - Kilikhar Line	5.98	
		Unit-III	16.47	5MVA, 132/11kV TFR	0.65	
		Unit-IV	16.51	132kV Motanga - Rangja Line	32.20	
		Total	65.94	Auxiliary Consumption & Transformation Losses at Generator end	0.02%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	59.96	132kV NHP-MHP-I	59.49	All Units & Feeders are in Service.
		Unit-II	64.95	132kV NHP-MHP-II	64.49	
		Total	124.91	Auxiliary Consumption & Transformation Losses at Generator end	0.74%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	0.00	66kV SHP-Damdhum (Samtse)	-0.02	Unit-I tripped at 22:20 hrs(11.09.2026) Unit-II under Shutdown.
		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	0.32	33kV SSP-Wangdue	1.50	All Inverters & Feeders are in Service.
		Inverter-2	0.58	33kV SSP-Trongsa	1.42	
		Inverter-3	0.61	-	-	
		Inverter-4	0.74	-	-	
		Inverter-5	0.68	-	-	
		Total	2.92	Auxiliary Consumption & Transformation Losses at Generator end	-0.07%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	16.09	132kV YHP-Kilikhar	30.44	All Units and Feeders are in Service.
		Unit-II	16.06	5MVA, 132/33kV TFR	1.27	
		Total	32.15	Auxiliary Consumption & Transformation Losses at Generator end	1.37%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	27.14	132kV BSHP-Panbang	22.25	All Units and Feeders are in Service.
		Unit-II	27.06	132kV BSHP-Tintibi	31.35	
		Total	54.20	Auxiliary Consumption & Transformation Losses at Generator end	1.11%	

Note: Generation-Load Summary (MW) for 13-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)	3,660.31	1,571.89	2,088.42

Note: Generation-Load Summary (MW) for 13-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)	3,161.61	1,027.52	2,134.09

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

