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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 21-Jun-2026(-ve:import, +ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	June 20, 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 170 MW THP (Tala)	Unit-I	145.31	400kV THP - Siliguri Line - I	144.94	All Units & Feeders are in Service.
		Unit-II	120.29	400kV THP - Siliguri Line - II	143.13	
		Unit-III	150.08	400kV THP - Norbugang - IV	190.07	
		Unit-IV	145.41	400kV THP - Malbase Line - III	347.06	
		Unit-V	135.13	400kV Malbase - Siliguri Line	88.02	
		Unit-VI	136.23	400kV Norbugang-Siliguri Line	49.00	
		Total	832.45	Auxiliary Consumption & Transformation Losses at Generator end	0.87%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	137.76	400kV MHP - Jigmeling Line - I	212.49	400kV MHP-JLG line- II under shutdown.
		Unit-II	170.07	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	154.55	400kV MHP - Jigmeling Line - III	220.09	
		Unit-IV	190.56	400kV MHP - Jigmeling Line - IV	219.93	
		-	-	220kV Jigmeling - BitDeer Line - I	192.33	
		-	-	220kV Jigmeling - BitDeer Line - II	173.99	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	436.73	
		-	-	400kV Jigmeling - Alipurduar Line - I	209.46	
		-	-	400kV Jigmeling - Alipurduar Line - II	208.00	
		-	-	80MVA, 220/132kV ICT - I (HV)	36.09	
		-	-	80MVA, 220/132kV ICT - II (HV)	35.79	
		-	-	132kV MHP - Yurmo Line - II	54.55	
		-	-	132kV MHP - Tintibi Line	45.58	
		-	-	132kV Gelephu - Salakati Line	-25.28	
		Total	652.94	Auxiliary Consumption & Transformation Losses at Generator end	-0.04%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	183.25	400kV PHP-II - Jigmeling - I	105.11	Unit-II under Shutdown. Unit-III under AMP.
		Unit-II	0.00	400kV PHP-II - Jigmeling - II	104.30	
		Unit-III	0.00	400kV PHP-II - Alipurduar - I	266.33	
		Unit-IV	184.24	400kV PHP-II - Alipurduar - II	266.01	
		Unit-V	185.06		-	
		Unit-VI	182.30		-	
		Total	734.95	Auxiliary Consumption & Transformation Losses at Generator end	-0.93%	
4	4 x 84 MW CHP (Chukha)	Unit-I	91.41	220kV CHP - Birpara Line - I	10.06	All Units & Feeders are in Service.
		Unit-II	91.17	220kV CHP - Birpara Line - II	10.03	
		Unit-III	87.25	220kV CHP - Gedu	89.23	
		Unit-IV	91.25	220kV CHP - Jamjee - I	82.04	
		-	-	220kV CHP - Jamjee - II	81.00	
		-	-	220kV CHP - Jamjee - III	78.55	
		-	-	220kV Malbase - Birpara Line	-10.05	
		-	-	66kV CHP - Gedu Line	8.91	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	11.30	220kV BHP - Semtokha Line	58.90	All Units and Feeders are in Service.
		Unit-II	9.80	66kV BHP - Lobeysa Line	23.60	
		Total	21.10	220kV BHP - Tsirang Line	-20.34	
6	2 x 20 MW BHP (L/S) (Basochhu)	Unit-I	20.48	5MVA, 66/11kV TFR	0.39	All Units and Feeders are in Service.
		Unit-II	20.76	30MVA ICT, 220/66kV (HV)	2.58	
		Total	41.24	Auxiliary Consumption & Transformation Losses at Generator end	-0.34%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	31.43	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line under Shutdown for relay configuration.
		Unit-II	28.02	220kV DHP - Dagapela Line	59.21	
		-	-	220kV BitDeer - Dagapela Line	-11.51	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	59.45	Auxiliary Consumption & Transformation Losses at Generator end	0.07%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	16.23	132kV KHP - Nangkor Line	52.24	All Units and Feeders are in Service.
		Unit-II	16.62	132kV KHP - Kilikhar Line	12.82	
		Unit-III	16.54	5MVA, 132/11kV TFR	0.39	
		Unit-IV	16.48	132kV Motanga - Rangja Line	34.96	
		Total	65.87	Auxiliary Consumption & Transformation Losses at Generator end	0.64%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	49.99	132kV NHP-MHP-I	49.72	All Units and Feeders are in Service.
		Unit-II	50.00	132kV NHP-MHP-II	49.74	
		Total	99.99	Auxiliary Consumption & Transformation Losses at Generator end	0.53%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.08	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.
		Unit-II	5.01		-	
		Total	10.09	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	17.38 MWp SSP (Sephu Solar Plant)	Inverter-1	0.66	33kV SSP-Wangdue	3.07	All Inverters & Feeders are in Service.
		Inverter-2	1.21	33kV SSP-Trongsa	2.83	
		Inverter-3	1.20	-	-	
		Inverter-4	1.50	-	-	
		Inverter-5	1.34	-	-	
		Total	5.91	Auxiliary Consumption & Transformation Losses at Generator end	0.17%	
12	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	14.99	Unit-I under Shutdown.
		Unit-II	16.00	5MVA, 132/33kV TFR	0.82	
		Total	16.00	Auxiliary Consumption & Transformation Losses at Generator end	1.19%	
13	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	12.04	132kV BSHP-Panbang	31.06	All Units & Feeders are in Service.
		Unit-II	26.94	132kV BSHP-Tintibi	7.44	
		Total	38.98	Auxiliary Consumption & Transformation Losses at Generator end	1.23%	

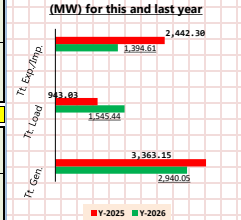
Note: Generation-Load Summary (MW) for 20-Jun-26 at 09:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,940.05	1,545.44	1,394.61

Note: Generation-Load Summary (MW) for 20-Jun-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)	3,363.15	943.03	2,442.30

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 21-Jun-2026(-ve:import,+ve:export)						
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time
	June 20, 2026	19:00:00			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 170 MW THP (Tala)	Unit-I	134.68	400kV THP - Siliguri Line - I	124.04	All Units & Feeders are in Service.
		Unit-II	125.25	400kV THP - Siliguri Line - II	122.76	
		Unit-III	100.12	400kV THP - Norbugang Line - IV	175.68	
		Unit-IV	125.45	400kV THP - Malbase Line - III	333.17	
		Unit-V	130.25	400kV Malbase - Siliguri Line	67.87	
		Unit-VI	146.24	400kV Norbugang-Siliguri Line	33.90	
		Total	761.99	Auxiliary Consumption & Transformation Losses at Generator end	0.83%	
2	4 x 180 MW MHP (Mangdechhu)	Unit-I	149.79	400kV MHP - Jigmeling Line - I	200.57	400kV MHP-JLG line- II under shutdown.
		Unit-II	130.22	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	145.74	400kV MHP - Jigmeling Line - III	207.73	
		Unit-IV	190.50	400kV MHP - Jigmeling Line - IV	207.72	
		-	-	220kV Jigmeling - BitDeer Line - I	180.79	
		-	-	220kV Jigmeling - BitDeer Line - II	164.51	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	452.00	
		-	-	400kV Jigmeling - Alipurdwar Line - I	190.00	
		-	-	400kV Jigmeling - Alipurdwar Line - II	189.10	
		-	-	80MVA, 220/132kV ICT - I (HV)	53.61	
		-	-	80MVA, 220/132kV ICT - II (HV)	53.25	
		-	-	132kV MHP - Yumo Line - II	56.93	
		-	-	132kV MHP - Tintibi Line	21.61	
		-	-	132kV Gelephu - Salakati Line	-28.86	
		Total	616.25	Auxiliary Consumption & Transformation Losses at Generator end	0.12%	
3	6 x 170 MW PHP-II (Punatsangchhu)	Unit-I	186.39	400kV PHP II - Jigmeling -I	115.75	Unit-II under Shutdown. Unit-III under AMP.
		Unit-II	0.00	400kV PHP II - Jigmeling -II	115.07	
		Unit-III	0.00	400kV PHP II - Alipurdwar -I	256.33	
		Unit-IV	183.50	400kV PHP II - Alipurdwar -II	256.66	
		Unit-V	186.00	-	-	
		Unit-VI	185.77	-	-	
		Total	741.66	Auxiliary Consumption & Transformation Losses at Generator end	-0.29%	
4	4 x 84 MW CHP (Chhukha)	Unit-I	91.48	220kV CHP - Birpara Line - I	12.73	All Units & Feeders are in Service..
		Unit-II	91.34	220kV CHP - Birpara Line - II	12.65	
		Unit-III	86.91	220kV CHP - Gedu	73.13	
		Unit-IV	91.43	220kV CHP - Jamjee - I	85.62	
		-	-	220kV CHP - Jamjee - II	84.86	
		-	-	220kV CHP - Jamjee - III	81.92	
		-	-	220kV Malbase - Birpara Line	7.26	
		-	-	66kV CHP - Gedu Line	8.62	
		Total	361.16	Auxiliary Consumption & Transformation Losses at Generator end	0.45%	
5	2 x 12 MW BHP (U/S) (Basochhu)	Unit-I	12.03	220kV BHP - Semtokha Line	55.10	All Units and Feeders are in Service.
		Unit-II	9.76	66kV BHP - Lobeysa Line	26.89	
6	2 x 20 MW BHP (L/S) (Basochhu)	Total	21.79	220kV BHP - Tsirang Line	-19.70	
		Unit-I	20.55	5MVA, 66/11kV TFR	0.62	
		Unit-II	20.59	30MVA ICT, 220/66kV (HV)	3.89	
		Total	41.14	Auxiliary Consumption & Transformation Losses at Generator end	0.03%	
7	2 x 63 MW DHP (Dagachhu)	Unit-I	52.11	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line on Shutdown for relay configuration. Unit-II on standby
		Unit-II	0.00	220kV DHP - Dagapela Line	52.10	
		-	-	220kV BitDeer - Dagapela Line	-4.92	
		-	-	5MVA, 220/33kV TFR	-	
		Total	52.11	Auxiliary Consumption & Transformation Losses at Generator end	0.02%	
8	4 x 15 MW KHP (Kurichhu)	Unit-I	15.95	132kV KHP - Nangkor Line	49.26	All Units & Feeders are in Service.
		Unit-II	16.17	132kV KHP - Kilikhar Line	15.03	
		Unit-III	16.54	5MVA, 132/11kV TFR	0.47	
		Unit-IV	16.55	132kV Motanga - Rangla Line	32.10	
		Total	65.21	Auxiliary Consumption & Transformation Losses at Generator end	0.69%	
9	2 x 59 MW NHP (Nikachhu)	Unit-I	39.96	132kV NHP-MHP-I	39.35	All Units & Feeders are in Service.
		Unit-II	40.02	132kV NHP-MHP-II	39.73	
		Total	79.98	Auxiliary Consumption & Transformation Losses at Generator end	1.13%	
10	2 x 9 MW SHP (Suchhu)	Unit-I	5.08	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.
		Unit-II	5.01	-	-	
		Total	10.09	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	
11	2 x 16 MW YHP (Yungichhu)	Unit-I	0.00	132kV YHP-Kilikhar	14.39	Unit-I under shutdown
		Unit-II	16.00	5MVA, 132/33kV TFR	1.42	
		Total	16.00	Auxiliary Consumption & Transformation Losses at Generator end	1.19%	
12	2 x 27 MW BSHP (Burgangchhu Small HP)	Unit-I	27.03	132kV BSHP-Panbang	35.51	Unit-II under shutdown
		Unit-II	0.00	132kV BSHP-Tintibi	-8.78	
		Total	27.03	Auxiliary Consumption & Transformation Losses at Generator end	1.11%	

Note: Generation-Load Summary (MW) for 20-Jun-2026 at 18:00 hrs

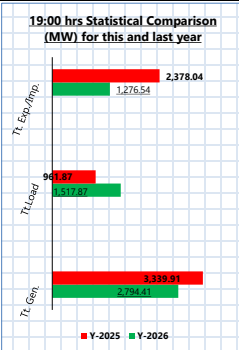
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,794.41	1,517.87	1,276.54

Note: Generation-Load Summary (MW) for 20-Jun-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)	3,339.91	961.87	2,378.04

Note: Daily Energy (MUS) and Power(MW) Statistics for 20-Jun-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross- border (MW)
1	70.30	36.45	0.00	33.85	1,650.69



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.