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 16-Jun-2026(-ve:import, +ve:export)

Report Details	Date	Time	National Coincidental Peak Load (MW)	Date	Time	Load
	June 15, 2026	9:00 AM		08-Nov-25	19:03:00	1,477.00

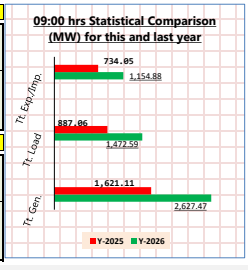
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	**6 x 170 MW THP** *(Tala)*	Unit- I	140.60	400kV THP - Siliguri Line - I	67.32	Unit-II & III on Standby
		Unit- II	0.00	400kV THP - Siliguri Line - II	66.17	
		Unit- III	0.00	400kV THP - Norbugang - IV	137.15	
		Unit- IV	140.46	400kV THP - Malbase Line - III	264.43	
		Unit- V	140.14	400kV Malbase - Siliguri Line	17.87	
		Unit- VI	119.32	400kV Norbugang-Siliguri Line	-6.72	
		Total	**540.52**	**Auxiliary Consumption & Transformation Losses at Generator end**	1.01%	
2	**4 x 180 MW MHP** *(Mangdechhu)*	Unit-I	197.88	400kV MHP - Jigmeling Line - I	254.40	400kV MHP-JLG line- II under shutdown.
		Unit-II	194.56	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	193.53	400kV MHP - Jigmeling Line - III	263.31	
		Unit-IV	195.90	400kV MHP - Jigmeling Line - IV	263.54	
		-	-	220kV Jigmeling - BitDeer Line - I	181.49	
		-	-	220kV Jigmeling - BitDeer Line - II	164.75	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	432.00	
		-	-	400kV Jigmeling - Alipurduar Line - I	247.27	
		-	-	400kV Jigmeling - Alipurduar Line - II	246.55	
		-	-	80MVA, 220/132kV ICT - I (HV)	43.54	
		-	-	80MVA, 220/132kV ICT - II (HV)	43.12	
		-	-	132kV MHP - Yurmo Line - II	53.21	
				132kV MHP - Tintibi Line	27.35	
		-	-	132kV Gelephu - Salakati Line	-19.58	
		Total	**781.87**	**Auxiliary Consumption & Transformation Losses at Generator end**	-0.05%	
3	**6 x 170 MW PHP-II** *(Punatsangchhu)*	Unit- I	185.12	400kV PHP II - Jigmeling -I	77.28	Unit-II under Shutdown. Unit-III under AMP.
		Unit- II	0.00	400kV PHP II - Jigmeling -II	76.35	
		Unit- III	0.00	400kV PHP II - Alipurduar -I	291.86	
		Unit- IV	182.97	400kV PHP II - Alipurduar -II	291.75	
		Unit- V	184.24	-	-	
		Unit- VI	180.50	-	-	
		Total	**732.83**	**Auxiliary Consumption & Transformation Losses at Generator end**	-0.60%	
4	**4 x 84 MW CHP** *(Chhukha)*	Unit- I	59.63	220kV CHP - Birpara Line - I	-19.94	All Units & Feeders are in Service.
		Unit- II	60.51	220kV CHP - Birpara Line - II	-19.72	
		Unit- III	64.53	220kV CHP - Gedu	72.30	
		Unit- IV	64.64	220kV CHP - Jamjee - I	70.32	
		-	-	220kV CHP - Jamjee - II	69.00	
		-	-	220kV CHP - Jamjee - III	67.00	
		-	-	220kV Malbase - Birpara Line	-45.34	
		-	-	66kV CHP - Gedu Line	8.44	
		Total	**249.31**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.77%	
5	**2 x 12 MW BHP (U/S)** *(Basochhu)*	Unit- I	9.12	220kV BHP - Semtokha Line	76.00	All Units and Feeders are in Service.
		Unit- II	9.32	66kV BHP - Lobeysa Line	21.90	
		Total	**18.44**	220kV BHP - Tsirang Line	-38.99	
6	**2 x 20 MW BHP (L/S)** *(Basochhu)*	Unit- I	20.03	5MVA, 66/11kV TFR	0.31	
		Unit- II	19.97	30MVA ICT, 220/66kV (HV)	2.00	
		Total	**40.00**	**Auxiliary Consumption & Transformation Losses at Generator end**	-1.33%	
7	**2 x 63 MW DHP** *(Dagachhu)*	Unit-I	46.56	220kV DHP - Tsirang Line	0.00	220kV DHP-Tsirang line under Shutdown for relay configuration. Unit-II on Standby.
		Unit-II	0.00	220kV DHP - Dagapela Line	46.00	
		-	-	220kV BitDeer - Dagapela Line	2.95	
		-	-	5MVA, 220/33kV TFR	0.50	
		Total	**46.56**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.13%	
8	**4 x 15 MW KHP** *(Kurichhu)*	Unit- I	14.97	132kV KHP - Nangkhor Line	50.58	All Units and Feeders are in Service.
		Unit-II	15.27	132kV KHP - Kilikhar Line	11.82	
		Unit- III	16.47	5MVA, 132/11kV TFR	0.39	
		Unit- IV	16.47	132kV Motanga - Rangia Line	37.39	
		Total	**63.18**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.62%	
9	**2 x 59 MW NHP** *(Nikachhu)*	Unit-I	39.96	132kV NHP-MHP-I	39.74	All Units and Feeders are in Service.
		Unit-II	40.00	132kV NHP-MHP-II	39.80	
		Total	**79.96**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.53%	
10	**2 x 9 MW SHP** *(Suchhu)*	Unit- I	0.00	66kV SHP-Damdhum (Samtse)	0.00	Both Units under Shutdown. Interim measure: Evacuation is through 33kV System.
		Unit- II	0.00	-	-	
		Total	**0.00**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.00%	
11	**17.38 MWp SSP** *(Sephu Solar Plant)*	Inverter-1	1.14	33kV SSP-Wangdue	7.76	All Inverters & Feeders are in Service.
		Inverter-2	3.32	33kV SSP-Trongsa	6.08	
		Inverter-3	3.31	-	-	
		Inverter-4	2.24	-	-	
		Inverter-5	3.84	-	-	
		Total	**13.84**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.00%	
12	**2 x 16 MW YHP** *(Yungichhu)*	Unit- I	0.00	132kV YHP-Kilikhar	15.23	Unit-I on Standby.
		Unit- II	16.05	5MVA, 132/33kV TFR	0.60	
		Total	**16.05**	**Auxiliary Consumption & Transformation Losses at Generator end**	1.37%	
13	**2 x 27 MW BSHP** *(Burgangchhu Small HP)*	Unit-I	18.03	132kV BSHP-Panbang	33.91	Unit-I started its 72hrs trial run on 14.06.2026 at 00:30hrs.
		Unit-II	26.88	132kV BSHP-Tintibi	10.42	
		Total	**44.91**	**Auxiliary Consumption & Transformation Losses at Generator end**	1.29%	

Note: Generation-Load Summary (MW) for 15-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)	2,627.47	1,472.59	1,154.88

Note: Generation-Load Summary (MW) for 15-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)	1,621.11	887.06	734.05



THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 16-Jun-2026(-ve:import, +ve:export)

Report Details	Date	Time	National Coincidental Peak Load (MW)	Date	Time	Load
	June 15, 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	140.58	400kV THP - Siliguri Line - I	15.50	Unit-II & Unit-III on Standby. All Feeders are in Service.
		Unit- II	0.00	400kV THP - Siliguri Line - II	14.87	
		Unit- III	0.00	400kV THP - Norbugang Line - IV	114.67	
		Unit- IV	65.54	400kV THP - Malbase Line - III	250.60	
		Unit- V	53.18	400kV Malbase - Siliguri Line	-38.38	
		Unit- VI	140.25	400kV Norbugang-Siliguri Line	-50.90	
		Total	**399.55**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.98%	
2	**4 x 180 MW MHP** *(Mangdechhu)*	Unit-I	84.82	400kV MHP - Jigmeling Line - I	173.11	400kV MHP-JLG line- II under shutdown.
		Unit-II	85.85	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	180.73	400kV MHP - Jigmeling Line - III	179.23	
		Unit-IV	180.66	400kV MHP - Jigmeling Line - IV	179.13	
		-	-	220kV Jigmeling - BitDeer Line - I	172.99	
		-	-	220kV Jigmeling - BitDeer Line - II	158.12	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	438.55	
		-	-	400kV Jigmeling - Alipurduar Line - I	159.27	
		-	-	400kV Jigmeling - Alipurduar Line - II	160.00	
		-	-	80MVA, 220/132kV ICT - I (HV)	56.93	
		-	-	80MVA, 220/132kV ICT - II (HV)	56.43	
		-	-	132kV MHP - Yurmo Line - II	58.40	
				132kV MHP - Tintibi Line	10.04	
		-	-	132kV Gelephu - Salakati Line	-23.65	
		Total	**532.06**	**Auxiliary Consumption & Transformation Losses at Generator end**	1.20%	
3	**6 x 170 MW PHP-II** *(Punatsangchhu)*	Unit- I	170.62	400kV PHP II - Jigmeling -I	118.90	Unit-II under Shutdown. Unit-III under AMP.
		Unit- II	0.00	400kV PHP II - Jigmeling -II	117.90	
		Unit- III	0.00	400kV PHP II - Alipurduar -I	223.81	
		Unit- IV	170.17	400kV PHP II - Alipurduar -II	223.59	
		Unit- V	169.79	-	-	
		Unit- VI	169.82	-	-	
		Total	**680.40**	**Auxiliary Consumption & Transformation Losses at Generator end**	-0.56%	
4	**4 x 84 MW CHP** *(Chhukha)*	Unit- I	57.59	220kV CHP - Birpara Line - I	-28.28	All Units & Feeders are in Service..
		Unit- II	54.45	220kV CHP - Birpara Line - II	-28.02	
		Unit- III	57.84	220kV CHP - Gedu	22.91	
		Unit- IV	56.80	220kV CHP - Jamjee - I	86.04	
		-	-	220kV CHP - Jamjee - II	85.35	
		-	-	220kV CHP - Jamjee - III	83.90	
		-	-	220kV Malbase - Birpara Line	-22.74	
		-	-	66kV CHP - Gedu Line	6.80	
		Total	**226.68**	**Auxiliary Consumption & Transformation Losses at Generator end**	-0.89%	
5	**2 x 12 MW BHP (U/S)** *(Basochhu)*	Unit- I	7.37	220kV BHP - Semtokha Line	62.12	All Units and Feeders are in Service.
		Unit- II	7.23	66kV BHP - Lobeysa Line	24.69	
		Total	**14.60**	220kV BHP - Tsirang Line	-47.22	
6	**2 x 20 MW BHP (L/S)** *(Basochhu)*	Unit- I	12.86	5MVA, 66/11kV TFR	0.59	
		Unit- II	12.84	30MVA ICT, 220/66kV (HV)	10.56	
		Total	**25.70**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.30%	
7	**2 x 63 MW DHP** *(Dagachhu)*	Unit-I	34.46	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	34.20	
		-	-	220kV BitDeer - Dagapela Line	13.47	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	**34.46**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.17%	
8	**4 x 15 MW KHP** *(Kurichhu)*	Unit- I	16.52	132kV KHP - Nangkhor Line	50.31	All Units & Feeders are in Service.
		Unit-II	16.46	132kV KHP - Kilikhar Line	14.81	
		Unit- III	16.60	5MVA, 132/11kV TFR	0.43	
		Unit- IV	16.50	132kV Motanga - Rangia Line	45.46	
		Total	**66.08**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.80%	
9	**2 x 59 MW NHP** *(Nikachhu)*	Unit-I	44.62	132kV NHP-MHP-I	44.31	All Units & Feeders are in Service.
		Unit-II	30.14	132kV NHP-MHP-II	29.94	
		Total	**74.76**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.68%	
10	**2 x 9 MW SHP** *(Suchhu)*	Unit- I	5.02	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: Evacuation is through 33kV System.
		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	14.59	Unit I on Standby.
		Unit-II	16.05	5MVA, 132/33kV TFR	1.22	
		Total	**16.05**	**Auxiliary Consumption & Transformation Losses at Generator end**	1.50%	
12	**2 x 27 MW BSHP** *(Burgangchhu Small HP)*	Unit-I	15.00	132kV BSHP-Panbang	31.90	Unit-I started its 72hrs trial run on 14.06.2026 at 00:30hrs.
		Unit-II	27.43	132kV BSHP-Tintibi	10.42	
		Total	**42.43**	**Auxiliary Consumption & Transformation Losses at Generator end**	0.26%	

Note: Generation-Load Summary (MW) for 15-Jun-2026 at 18:00 hrs

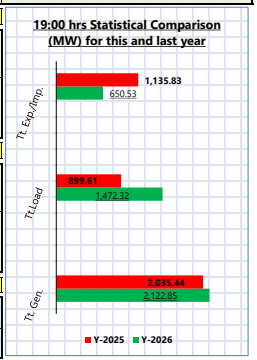
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,122.85	1,472.32	650.53

Note: Generation-Load Summary (MW) for 15-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)	2,035.44	899.61	1,135.83

Note: Daily Energy (MUs) and Power(MW) Statistics for 15-Jun-2026

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross-border (MW)
1	54.19	34.50	0.00	19.62	1,208.07



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.