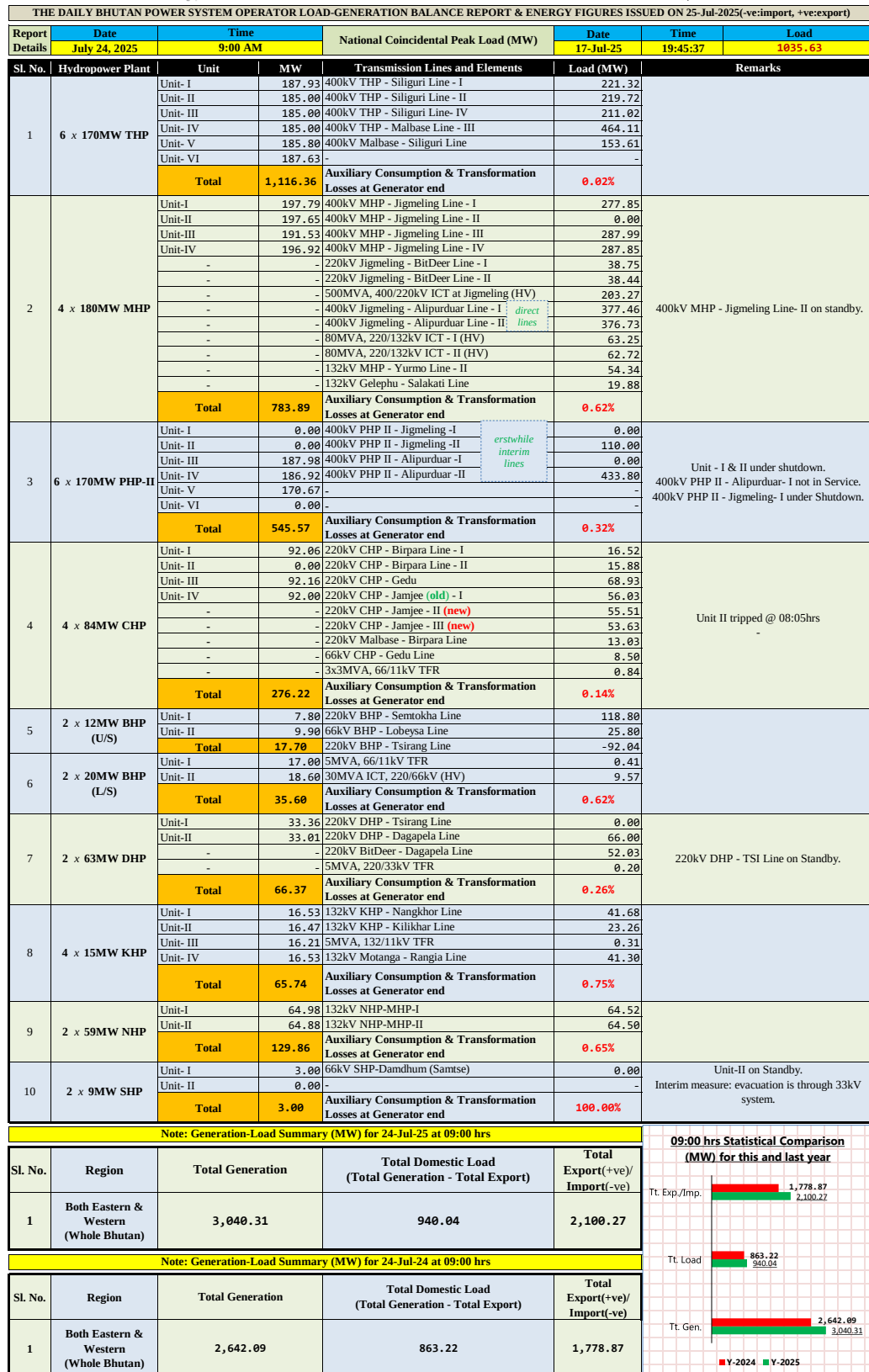




THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 25-Jul-2025(-ve:import, +ve:export)									
Report Details	Date	Time	National Coincidental Peak Load (MW)			Date	Time	Load	
	July 24, 2025	19:00:00				17-Jul-2025	19:45	1035.63	
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements		Load (MW)	Remarks		
1	6 x 170MW THP	Unit- I	188.03	400kV THP - Siliguri Line - I		220.74			
		Unit- II	187.52	400kV THP - Siliguri Line - II		219.45			
		Unit- III	187.25	400kV THP - Siliguri Line - IV		210.73			
		Unit- IV	187.63	400kV THP - Malbase Line - III		465.25			
		Unit- V	187.12	400kV Malbase - Siliguri Line		153.61			
		Unit- VI	187.48			-			
		Total	1,125.03	Auxiliary Consumption & Transformation Losses at Generator end		0.79%			
2	4 x 180MW MHP	Unit-I	197.80	400kV MHP - Jigmeling Line - I		276.01	400kV MHP-JLG Line- II on Standby.		
		Unit-II	197.62	400kV MHP - Jigmeling Line - II		0.00			
		Unit-III	190.96	400kV MHP - Jigmeling Line - III		286.17			
		Unit-IV	196.58	400kV MHP - Jigmeling Line - IV		285.92			
		-	-	220kV Jigmeling - BitDeer Line - I		40.68			
		-	-	220kV Jigmeling - BitDeer Line - II		40.78			
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)		227.64			
		-	-	400kV Jigmeling - Alipurduar Line - I : direct lines		412.36			
		-	-	400kV Jigmeling - Alipurduar Line - II		410.91			
		-	-	80MVA, 220/132kV ICT - I (HV)		72.61			
		-	-	80MVA, 220/132kV ICT - II (HV)		72.14			
		-	-	132kV MHP - Yurmo Line - II		61.35			
		-	-	132kV Gelephu - Salakati Line		25.57			
		Total	782.96	Auxiliary Consumption & Transformation Losses at Generator end		0.31%			
3	6 x 170MW PHP-II	Unit- I	0.00	400kV PHP II - Jigmeling -I		212.58	Unit - I under shutdown. 400kV PHP II-Alipurduar-I not in Service. 400kV PHP II-Jigmeling-II under Shutdown.		
		Unit- II	187.00	400kV PHP II - Jigmeling -II		0.00			
		Unit- III	187.84	400kV PHP II - Alipurduar -I		0.00			
		Unit- IV	186.71	400kV PHP II - Alipurduar -II		517.48			
		Unit- V	168.23			-			
		Unit- VI	0.00			-			
		Total	729.78	Auxiliary Consumption & Transformation Losses at Generator end		-0.04%			
4	4 x 84MW CHP	Unit- I	91.70	220kV CHP - Birpara Line - I		37.60			
		Unit- II	91.13	220kV CHP - Birpara Line - II		37.16			
		Unit- III	91.38	220kV CHP - Gedu		94.19			
		Unit- IV	91.42	220kV CHP - Jamjee - I		62.81			
		-	-	220kV CHP - Jamjee - II		62.08			
		-	-	220kV CHP - Jamjee - III		59.78			
		-	-	220kV Malbase - Birpara Line		31.21			
		-	-	66kV CHP - Gedu Line		9.14			
		-	-	3x3MVA, 66/11kV TFR		1.43			
		Total	365.63	Auxiliary Consumption & Transformation Losses at Generator end		0.39%			
5	2 x 12MW BHP (U/S)	Unit- I	7.40	220kV BHP - Semtokha Line		112.40			
		Unit- II	9.10	66kV BHP - Lobeyssa Line		25.55			
		Total	16.50	220kV BHP - Tsirang Line		-90.79			
6	2 x 20MW BHP (L/S)	Unit- I	14.60	5MVA, 66/11kV TFR		0.60			
		Unit- II	16.20	30MVA ICT, 220/66kV (HV)		9.85			
		Total	30.80	Auxiliary Consumption & Transformation Losses at Generator end		-0.97%			
7	2 x 63MW DHP	Unit-I	30.28	220kV DHP - Tsirang Line		0.00	220kV DHP - TSI Line on Standby.		
		Unit-II	30.97	220kV DHP - Dagapela Line		60.82			
		-	-	220kV BitDeer - Dagapela Line		52.03			
		-	-	5MVA, 220/33kV TFR		0.00			
		Total	61.25	Auxiliary Consumption & Transformation Losses at Generator end		0.70%			
8	4 x 15MW KHP	Unit- I	16.45	132kV KHP - Nangkhor Line		55.95			
		Unit-II	16.55	132kV KHP - Kilikhar Line		8.51			
		Unit- III	15.88	5MVA, 132/11kV TFR		0.33			
		Unit- IV	16.35	132kV Motanga - Rangia Line		56.00			
		Total	65.23	Auxiliary Consumption & Transformation Losses at Generator end		0.67%			
9	2 x 59MW NHP	Unit-I	64.92	132kV NHP-MHP-I		64.45			
		Unit-II	64.94	132kV NHP-MHP-II		64.46			
		Total	129.86	Auxiliary Consumption & Transformation Losses at Generator end		0.73%			
10	2 x 9MW SHP	Unit- I	3.00	66kV SHP-Damdhum (Samtse)		0.00	Unit II on Standby. Interim measure: Evacuation is through 33kV System.		
		Unit- II	0.00			-			
		Total	3.00	Auxiliary Consumption & Transformation Losses at Generator end		100.00%			
Note: Generation-Load Summary (MW) for 24-Jul-2025 at 19:00 hrs									
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)			Total Export(+ve)/ Import(-ve)	19:00 hrs Statistical Comparison (MW) for this and last year		
1	Both Eastern & Western (Whole Bhutan)	3,310.04	977.22			2,332.82	Tt. Exp./Imp.	1,721.98	2,332.82
Note: Generation-Load Summary (MW) for 24-Jul-2024, at 19:00 hrs									
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)			Total Export(+ve)/ Import(-ve)	19:00 hrs Statistical Comparison (MW) for this and last year		
1	Both Eastern & Western (Whole Bhutan)	2,626.19	904.21			1,721.98	Tt.Load	904.21	977.22
Note: Daily Energy (MUs) and Power(MW) Statistics for 24-Jul-2025									
Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross-border (MW)	19:00 hrs Statistical Comparison (MW) for this and last year			
1	76.12	22.94	0.00	53.28	2,546.04	Tt. Gen.	2,626.19	3,310.04	
■ Y-2024 ■ Y-2025									

- The Instantaneous load balance does not tend towards zero. This could be due to the following reasons:
 - 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.
 - 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.