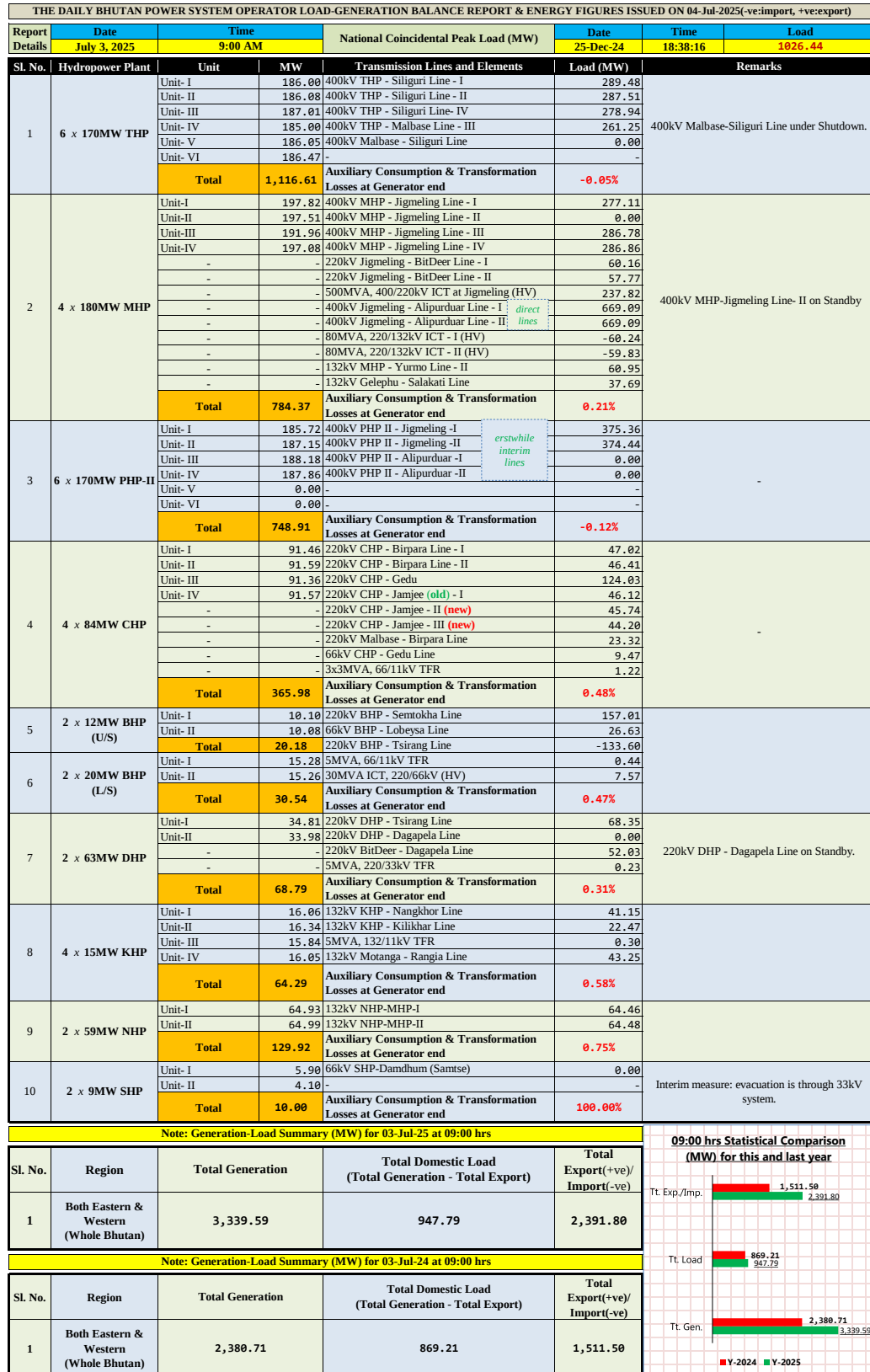




THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 04-Jul-2025(-ve:import, +ve:export)							
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time	Load
	July 3, 2025	19:00:00			25-Dec-2024	18:36	1026.44
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks	
1	6 x 170MW THP	Unit- I	0.00	400kV THP - Siliguri Line - I	225.01	Unit I tripped @ 400kV Malbase-Siliguri line under Shutdown. Unit I tripped @ 17:06hrs	
		Unit- II	187.64	400kV THP - Siliguri Line - II	223.22		
		Unit- III	187.59	400kV THP - Siliguri Line - IV	216.24		
		Unit- IV	187.74	400kV THP - Malbase Line - III	265.45		
		Unit- V	185.00	400kV Malbase - Siliguri Line	0.00		
		Unit- VI	183.00		-		
		Total	930.97	Auxiliary Consumption & Transformation Losses at Generator end	0.11%		
2	4 x 180MW MHP	Unit-I	197.63	400kV MHP - Jigmeling Line - I	276.36	400kV MHP-JLG Line- II on Standby.	
		Unit-II	197.81	400kV MHP - Jigmeling Line - II	0.00		
		Unit-III	192.01	400kV MHP - Jigmeling Line - III	285.91		
		Unit-IV	193.00	400kV MHP - Jigmeling Line - IV	285.90		
		-	-	220kV Jigmeling - BitDeer Line - I	62.76		
		-	-	220kV Jigmeling - BitDeer Line - II	60.61		
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	259.27		
		-	-	400kV Jigmeling - Alipurduar Line - I	656.73		
		-	-	400kV Jigmeling - Alipurduar Line - II	657.46		
		-	-	80MVA, 220/132kV ICT - I (HV)	-68.30		
		-	-	80MVA, 220/132kV ICT - II (HV)	-67.64		
		-	-	132kV MHP - Yurmo Line - II	61.26		
		-	-	132kV Gelephu - Salakati Line	38.92		
		Total	780.45	Auxiliary Consumption & Transformation Losses at Generator end	-0.01%		
3	6 x 170MW PHP-II	Unit- I	185.10	400kV PHP II - Jigmeling -I	372.00	erstwhile interim lines	
		Unit- II	187.15	400kV PHP II - Jigmeling -II	369.20		
		Unit- III	185.92	400kV PHP II - Alipurduar -I	0.00		
		Unit- IV	187.81	400kV PHP II - Alipurduar -II	0.00		
		Unit- V	0.00		-		
		Unit- VI	0.00		-		
		Total	745.98	Auxiliary Consumption & Transformation Losses at Generator end	0.64%		
4	4 x 84MW CHP	Unit- I	91.56	220kV CHP - Birpara Line - I	49.57		
		Unit- II	91.32	220kV CHP - Birpara Line - II	48.89		
		Unit- III	91.22	220kV CHP - Gedu	120.47		
		Unit- IV	91.48	220kV CHP - Jamjee - I	45.69		
		-	-	220kV CHP - Jamjee - II	45.29		
		-	-	220kV CHP - Jamjee - III	43.68		
		-	-	220kV Malbase - Birpara Line	31.37		
		-	-	66kV CHP - Gedu Line	9.51		
		-	-	3x3MVA, 66/11kV TFR	1.52		
		Total	365.58	Auxiliary Consumption & Transformation Losses at Generator end	0.26%		
5	2 x 12MW BHP (U/S)	Unit- I	12.00	220kV BHP - Semtokha Line	163.00		
		Unit- II	12.21	66kV BHP - Lobeyssa Line	28.91		
		Total	24.21	220kV BHP - Tsirang Line	-129.42		
6	2 x 20MW BHP (L/S)	Unit- I	19.83	5MVA, 66/11kV TFR	0.66		
		Unit- II	19.69	30MVA ICT, 220/66kV (HV)	6.18		
		Total	39.52	Auxiliary Consumption & Transformation Losses at Generator end	0.91%		
7	2 x 63MW DHP	Unit-I	29.32	220kV DHP - Tsirang Line	59.01	220kV DHP - Dagapela Line on Standby.	
		Unit-II	30.17	220kV DHP - Dagapela Line	0.00		
		-	-	220kV BitDeer - Dagapela Line	46.00		
		-	-	5MVA, 220/33kV TFR	0.20		
		Total	59.49	Auxiliary Consumption & Transformation Losses at Generator end	0.47%		
8	4 x 15MW KHP	Unit- I	16.10	132kV KHP - Nangkhon Line	38.90		
		Unit-II	16.38	132kV KHP - Kilikhar Line	23.30		
		Unit- III	15.60	5MVA, 132/11kV TFR	0.34		
		Unit- IV	15.83	132kV Motanga - Rangia Line	46.05		
		Total	63.91	Auxiliary Consumption & Transformation Losses at Generator end	2.14%		
9	2 x 59MW NHP	Unit-I	64.94	132kV NHP-MHP-I	64.41		
		Unit-II	64.89	132kV NHP-MHP-II	64.46		
		Total	129.83	Auxiliary Consumption & Transformation Losses at Generator end	0.74%		
10	2 x 9MW SHP	Unit- I	5.00	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: evacuation is through 33kV system.	
		Unit- II	5.00		-		
		Total	10.00	Auxiliary Consumption & Transformation Losses at Generator end	100.00%		
Note: Generation-Load Summary (MW) for 03-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)	3,149.94	956.48		2,193.46	Tt. Exp./Imp. 1,440.67 2,193.46	
Note: Generation-Load Summary (MW) for 03-Jul-2024, at 19:00 hrs							
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)		Total Export(+ve)/ Import(-ve)	Tt.Load 903.34 956.48	
1	Both Eastern & Western (Whole Bhutan)	2,344.01	903.34		1,440.67		
Note: Daily Energy (MUs) and Power(MW) Statistics for 03-Jul-2025							
Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross-border (MW)	Tt. Gen. 2,344.01 3,149.94	
1	75.69	22.19	0.00	53.55	2,432.96	Y-2024 Y-2025	

1. 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.
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.