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THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 13-Sep-2025(-ve:import, +ve:export)							
Report Details	Date	Time	National Coincidental Peak Load (MW)		Date	Time	Load
	September 12, 2025	19:00:00			05-Sep-25	19:27:16	1176.18
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks	
1	6 x 170MW THP	Unit- I	185.60	400kV THP - Siliguri Line - I	227.18	All units and feeders are in service.	
		Unit- II	186.79	400kV THP - Siliguri Line - II	226.13		
		Unit- III	186.37	400kV THP - Siliguri Line - IV	217.32		
		Unit- IV	185.43	400kV THP - Malbase Line - III	445.40		
		Unit- V	186.30	400kV Malbase - Siliguri Line	167.00		
		Unit- VI	186.42	-	-		
		Total	1,116.91	Auxiliary Consumption & Transformation Losses at Generator end	0.08%		
2	4 x 180MW MHP	Unit-I	197.81	400kV MHP - Jigmeling Line - I	226.53	400kV MHP-JIG Line II on Standby as three of the other 400kV lines at MHP have the capacity to evacuate the power.	
		Unit-II	197.76	400kV MHP - Jigmeling Line - II	0.00		
		Unit-III	190.33	400kV MHP - Jigmeling Line - III	234.79		
		Unit-IV	195.77	400kV MHP - Jigmeling Line - IV	234.76		
		-	-	220kV Jigmeling - BitDeer Line - I	80.39		
		-	-	220kV Jigmeling - BitDeer Line - II	75.69		
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	292.73		
		-	-	400kV Jigmeling - Alipurduar Line - I	367.27		
		-	-	400kV Jigmeling - Alipurduar Line - II	366.55		
		-	-	80MVA, 220/132kV ICT - I (HV)	68.80		
		-	-	80MVA, 220/132kV ICT - II (HV)	68.28		
		-	-	132kV MHP - Yurmo Line - II	65.23		
		-	-	132kV MHP - Tintibi Line	82.44		
		-	-	132kV Gelephu - Salakati Line	-8.63		
		Total	781.67	Auxiliary Consumption & Transformation Losses at Generator end	0.30%		
3	6 x 170MW PHP-II	Unit- I	186.55	400kV PHP II - Jigmeling -I	153.37	Unit III under Shutdown due to looseness at the runner end. Unit IV tripped @ 17:38hrs (06.09.2025) and under inspection. 400kV PHP II - Alipurduar- I not in Service.	
		Unit- II	186.49	400kV PHP II - Jigmeling -II	151.62		
		Unit- III	0.00	400kV PHP II - Alipurduar -I	0.00		
		Unit- IV	0.00	400kV PHP II - Alipurduar -II	441.95		
		Unit- V	187.68	-	-		
		Unit- VI	186.18	-	-		
		Total	746.90	Auxiliary Consumption & Transformation Losses at Generator end	-0.01%		
4	4 x 84MW CHP	Unit- I	91.46	220kV CHP - Birpara Line - I	42.40	220kV Malbase-Birpara Line under shutdown.	
		Unit- II	91.45	220kV CHP - Birpara Line - II	41.78		
		Unit- III	91.40	220kV CHP - Gedu	103.67		
		Unit- IV	91.53	220kV CHP - Jamjee - I	56.16		
		-	-	220kV CHP - Jamjee - II	55.86		
		-	-	220kV CHP - Jamjee - III	53.87		
		-	-	220kV Malbase - Birpara Line	0.00		
		-	-	66kV CHP - Gedu Line	9.17		
		Total	365.84	Auxiliary Consumption & Transformation Losses at Generator end	0.80%		
5	2 x 12MW BHP (U/S)	Unit- I	12.10	220kV BHP - Semtokha Line	122.30	All units and feeders are in service.	
		Unit- II	12.00	66kV BHP - Lobeyssa Line	25.67		
		Total	24.10	220kV BHP - Tsirang Line	-82.25		
6	2 x 20MW BHP (L/S)	Unit- I	20.90	5MVA, 66/11kV TFR	0.64		
		Unit- II	21.04	30MVA ICT, 220/66kV (HV)	2.68		
		Total	41.94	Auxiliary Consumption & Transformation Losses at Generator end	-0.48%		
7	2 x 63MW DHP	Unit-I	58.47	220kV DHP - Tsirang Line	116.87	220kV DHP -Dagapela Line on Standby due to protection setting.	
		Unit-II	59.02	220kV DHP - Dagapela Line	0.00		
		-	-	220kV BitDeer - Dagapela Line	49.00		
		-	-	5MVA, 220/33kV TFR	0.25		
		Total	117.49	Auxiliary Consumption & Transformation Losses at Generator end	0.31%		
8	4 x 15MW KHP	Unit- I	16.50	132kV KHP - Nangkhor Line	37.57	All units and feeders are in service.	
		Unit-II	16.50	132kV KHP - Kilikhar Line	27.27		
		Unit- III	16.50	5MVA, 132/11kV TFR	0.33		
		Unit- IV	16.50	132kV Motanga - Rangia Line	72.10		
		Total	66.00	Auxiliary Consumption & Transformation Losses at Generator end	1.26%		
9	2 x 59MW NHP	Unit-I	0.00	132kV NHP-MHP-I	0.00	Unit I under Shutdown for Nozzle Installation.	
		Unit-II	64.86	132kV NHP-MHP-II	64.43		
		Total	64.86	Auxiliary Consumption & Transformation Losses at Generator end	0.66%		
10	2 x 9MW SHP	Unit- I	5.00	66kV SHP-Damdhum (Samtse)	0.00	(Not able to Generate full capacity of 18MW due to transmission evacuation constraint.) Interim measure: Evacuation is through 33kV System.	
		Unit- II	4.99	-	-		
		Total	9.99	Auxiliary Consumption & Transformation Losses at Generator end	100.00%		
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)	19:00 hrs Statistical Comparison (MW) for this and last year	
1	Both Eastern & Western (Whole Bhutan)	3,335.70	1,174.65		2,161.05	Tt. Exp./Imp.	1,671.60 2,161.05
Note: Generation-Load Summary (MW) for 12-Sep-2024, at 19:00 hrs							
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)		Total Export(+ve)/ Import(-ve)	Tt.Load	930.57 1,174.65
1	Both Eastern & Western (Whole Bhutan)	2,602.17	930.57		1,671.60		
Note: Daily Energy (MUs) and Power(MW) Statistics for 12-Sep-2025							
Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross-border (MW)	Tt. Gen.	2,602.17 3,335.70
1	79.7772675	26.96	0.00	52.72	2,248.83		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.