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Ministry of Energy and Natural Resources
Royal Government of Bhutan
Office of the Bhutan Power System Operator
Thimphu: Bhutan



THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 30-May-2025(-ve:import, +ve:export)						
Report Details		Date	Time	National Coincidental Peak Load (MW)		
		May 29, 2025	9:00 AM			
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	0.00	Unit-I under Shutdown. 400kV THP-Siliguri Line -I under Shutdown.
		Unit- II	129.72	400kV THP - Siliguri Line - II	379.20	
		Unit- III	161.56	400kV THP - Siliguri Line- IV	0.00	
		Unit- IV	159.42	400kV THP - Malbase Line - III	349.02	
		Unit- V	109.14	400kV Malbase - Siliguri Line	146.71	
		Unit- VI	168.72	-	-	
		Total	728.56	Auxiliary Consumption & Transformation Losses at Generator end	0.05%	
2	4 x 180MW MHP	Unit-I	197.54	400kV MHP - Jigmeling Line - I	400.90	400kV MHP-JLG line- II & III on Standby. 132kV MHP_Yumoo Line- I not in Service.
		Unit-II	192.56	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	187.96	400kV MHP - Jigmeling Line - III	0.00	
		Unit-IV	189.95	400kV MHP - Jigmeling Line - IV	402.42	
		-	-	132kV MHP - Yurno Line - I	0.00	
		-	-	132kV MHP - Yurno Line - II	61.00	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	232.36	
		-	-	400kV Jigmeling - Alipurduar Line - I <i>direct lines</i>	549.82	
		-	-	400kV Jigmeling - Alipurduar Line - II	548.36	
		-	-	80MVA, 220/132kV ICT - I (HV)	-37.93	
		-	-	80MVA, 220/132kV ICT - II (HV)	-37.56	
		-	-	220kV Tsirang - Jigmeling Line	-102.61	
		-	-	132kV Gelephu - Salakati Line	21.01	
		Total	768.01	Auxiliary Consumption & Transformation Losses at Generator end	0.40%	
3	6 x 170MW PHP-II	Unit- I	178.35	400kV PHP II - Jigmeling-I	269.82	<i>erstwhile interim lines</i>
		Unit- II	181.38	400kV PHP II - Jigmeling-II	269.09	
		Unit- III	185.03	400kV PHP II - Alipurduar -I	0.00	
		Unit- IV	0.00	400kV PHP II - Alipurduar -II	0.00	
		Unit- V	0.00	-	-	
		Unit- VI	0.00	-	-	
		Total	544.76	Auxiliary Consumption & Transformation Losses at Generator end	1.07%	
4	4 x 84MW CHP	Unit- I	85.46	220kV CHP - Birpara Line - I	19.55	Unit-IV under Shutdown.
		Unit- II	84.34	220kV CHP - Birpara Line - II	19.05	
		Unit- III	87.61	220kV CHP - Gedu	127.18	
		Unit- IV	91.25	220kV CHP - Jamjee <i>(old)</i> - I	57.26	
		-	-	220kV CHP - Jamjee - II <i>(new)</i>	56.85	
		-	-	220kV CHP - Jamjee - III <i>(new)</i>	54.86	
		-	-	220kV Malbase - Birpara Line	-24.92	
		-	-	66kV CHP - Gedu Line	10.95	
		-	-	3x3MVA, 66/11kV TFR	1.23	
		Total	348.66	Auxiliary Consumption & Transformation Losses at Generator end	0.50%	
5	2 x 12MW BHP (U/S)	Unit- I	4.03	220kV BHP - Semtokha Line	135.10	
		Unit- II	4.63	66kV BHP - Lobeysa Line	24.10	
		Total	8.66	220kV BHP - Tsirang Line	-138.53	
6	2 x 20MW BHP (L/S)	Unit- I	6.35	5MVA, 66/11kV TFR	0.43	
		Unit- II	6.13	30MVA ICT, 220/66kV (HV)	16.70	
		Total	12.48	Auxiliary Consumption & Transformation Losses at Generator end	0.19%	
7	2 x 63MW DHP	Unit-I	34.32	220kV DHP - Tsirang Line	0.00	220kV DHP- Tsirang line kept on Standby.
		Unit-II	0.00	220kV DHP - Dagapela Line	33.89	
		-	-	220kV Jigmeling - Dagapela Line	14.10	
		-	-	5MVA, 220/33kV TFR	0.42	
		Total	34.32	Auxiliary Consumption & Transformation Losses at Generator end	0.03%	
8	4 x 15MW KHP	Unit- I	16.47	132kV KHP - Nangkhor Line	40.17	
		Unit-II	16.56	132kV KHP - Kilikhar Line	25.12	
		Unit- III	16.56	5MVA, 132/11kV TFR	0.34	
		Unit- IV	16.61	132kV Motanga - Rangia Line	17.85	
		Total	66.20	Auxiliary Consumption & Transformation Losses at Generator end	0.86%	
9	2 x 59MW NHP	Unit-I	49.95	132kV NHP-MHP-I	49.68	
		Unit-II	50.00	132kV NHP-MHP-II	49.70	
		Total	99.95	Auxiliary Consumption & Transformation Losses at Generator end	0.57%	
10	2 x 9MW SHP	Unit- I	0.00	66kV SHP-Damdhum (Samtse)	0.00	Unit I & II tripped since 00:00hrs Interim measure: evacuation is through 33kV system.
		Unit- II	0.00	-	-	
		Total	0.00	Auxiliary Consumption & Transformation Losses at Generator end	0.00%	

Note: Generation-Load Summary (MW) for 29-May-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)	2,611.60	934.97	1,676.63

Note: Generation-Load Summary (MW) for 29-May-24 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)	1,568.70	862.70	706.00