



འབྲུག་རྒྱལ་ཁབ་ལྷན་ཞུགས་པའི་རྒྱུ་རྫས་དང་རྟུག་རྩིས་ལྷན་ཁུངས་  
 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 26-Jan-2026(+ve:import, +ve:export) |                         |   |                                      |   |                |   |          |
|--|-------------------------|---|--------------------------------------|---|----------------|---|----------|
| Report Details   | Date                    | Time  | National Coincidental Peak Load (MW) |   | Date           | Time  | Load     |
|  | January 25, 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 170MW THP           | Unit-I  | 187.00                               | 400kV THP - Siliguri Line - I   | 0.00           | Unit-IV, V & VI under Shutdown (Annual Maintenance).<br>400kV THP_NOR line IV remains under Shutdown. NOR insisted to charge 400kV NOR_SIL line together with 400kV THP_NOR. 400kV THP_SIL line I on Standby. |          |
|  |                         | Unit-II   | 185.00                               | 400kV THP - Siliguri Line - II  | 116.43         |   |          |
|  |                         | Unit-III  | 180.00                               | 400kV THP - Norbugang - IV  | 0.00           |   |          |
|  |                         | Unit-IV   | 0.00                                 | 400kV THP - Malbase Line - III  | 434.09         |   |          |
|  |                         | Unit-V  | 0.00                                 | 400kV Malbase - Siliguri Line   | 39.00          |   |          |
|  |                         | Unit-VI   | 0.00                                 | 400kV Norbugang-Siliguri Line   | 0.00           |   |          |
|  |                         | <b>Total</b>  | <b>552.00</b>                        | <b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b> | <b>0.27%</b>   |   |          |
| 2  | 4 x 180MW MHP           | Unit-I  | 0.00                                 | 400kV MHP - Jigmeling Line - I  | 116.26         | Unit-I under Shutdown (Annual Maintenance).<br>Unit-III on Standby.<br>400kV MHP-JIG Line - II & III on Standby as other two lines can cater the load.  |          |
|  |                         | Unit-II   | 170.00                               | 400kV MHP - Jigmeling Line - II   | 0.00           |   |          |
|  |                         | Unit-III  | 0.00                                 | 400kV MHP - Jigmeling Line - III  | 0.00           |   |          |
|  |                         | Unit-IV   | 165.20                               | 400kV MHP - Jigmeling Line - IV   | 117.06         |   |          |
|  |                         | -   | -                                    | 220kV Jigmeling - BitDeer Line - I  | 174.51         |   |          |
|  |                         | -   | -                                    | 220kV Jigmeling - BitDeer Line - II                                       | 184.19         |   |          |
|  |                         | -   | -                                    | 500MVA, 400/220kV ICT at Jigmeling (HV)                                   | 411.27         |   |          |
|  |                         | -   | -                                    | 400kV Jigmeling - Alipurduar Line - I                                     | 10.81          |   |          |
|  |                         | -   | -                                    | 400kV Jigmeling - Alipurduar Line - II                                    | 8.36           |   |          |
|  |                         | -   | -                                    | 80MVA, 220/132kV ICT - I (HV)   | -26.43         |   |          |
|  |                         | -   | -                                    | 80MVA, 220/132kV ICT - II (HV)  | -26.13         |   |          |
|  |                         | -   | -                                    | 132kV MHP - Yurno Line - II   | 66.28          |   |          |
|  |                         | -   | -                                    | 132kV MHP - Tintibi Line  | 43.64          |   |          |
|  |                         | -   | -                                    | 132kV Gelephu - Salakati Line   | -39.31         |   |          |
|  |                         | <b>Total</b>  | <b>335.20</b>                        | <b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b> | <b>-2.40%</b>  |   |          |
| 3  | 6 x 170MW PHP-II        | Unit-I  | 0.00                                 | 400kV PHP II - Jigmeling - I  | 198.80         | Unit-I & II under Shutdown (Annual Maintenance).<br>Unit-III and IV on Standby.<br>400kV PHP II-Jigmeling-II and 400kV PHP II_ALI I on standby.   |          |
|  |                         | Unit-II   | 0.00                                 | 400kV PHP II - Jigmeling - II   | 0.00           |   |          |
|  |                         | Unit-III  | 0.00                                 | 400kV PHP II - Alipurduar - I   | 0.00           |   |          |
|  |                         | Unit-IV   | 0.00                                 | 400kV PHP II - Alipurduar - II  | 111.20         |   |          |
|  |                         | Unit-V  | 159.60                               | -   | -              |   |          |
|  |                         | Unit-VI   | 150.70                               | -   | -              |   |          |
|  |                         | <b>Total</b>  | <b>310.30</b>                        | <b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b> | <b>0.10%</b>   |   |          |
| 4  | 4 x 84MW CHP            | Unit-I  | 0.00                                 | 220kV CHP - Birpara Line - I  | -77.14         | Unit-I & II under Shutdown (Annual Maintenance).  |          |
|  |                         | Unit-II   | 0.00                                 | 220kV CHP - Birpara Line - II   | -76.23         |   |          |
|  |                         | Unit-III  | 49.90                                | 220kV CHP - Gedu  | -91.80         |   |          |
|  |                         | Unit-IV   | 50.00                                | 220kV CHP - Jamjee - I  | 115.48         |   |          |
|  |                         | -   | -                                    | 220kV CHP - Jamjee - II   | 114.42         |   |          |
|  |                         | -   | -                                    | 220kV CHP - Jamjee - III  | 110.50         |   |          |
|  |                         | -   | -                                    | 220kV Malbase - Birpara Line  | -43.00         |   |          |
| <b>Total</b>   | <b>99.90</b>            | <b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b> | <b>3.19%</b>                         |   |                |   |          |
| 5  | 2 x 12MW BHP (U/S)      | Unit-I  | 0.00                                 | 220kV BHP - Semtokha Line   | 0.50           | L/S Unit-II under AMP.<br>U/S Unit-I under Shutdown.<br>220kV BHP-TSI Line under Shutdown.  |          |
|  |                         | Unit-II   | 6.30                                 | 66kV BHP - Lobessa Line   | 17.87          |   |          |
|  |                         | <b>Total</b>  | <b>6.30</b>                          | 220kV BHP - Tsirang Line  | 0.00           |   |          |
| 6  | 2 x 20MW BHP (L/S)      | Unit-I  | 12.70                                | 5MVA, 66/11kV TFR   | 0.73           |   |          |
|  |                         | Unit-II   | 0.00                                 | 30MVA ICT, 220/66kV (HV)  | 12.28          |   |          |
|  |                         | <b>Total</b>  | <b>12.70</b>                         | <b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b> | <b>-0.53%</b>  |   |          |
| 7  | 2 x 63MW DHP            | Unit-I  | 0.00                                 | 220kV DHP - Tsirang Line  | 0.00           | Total Plant Shutdown from 10:27 hrs (09.10.2025) due to Seepage in HRC.   |          |
|  |                         | Unit-II   | 0.00                                 | 220kV DHP - Dagapela Line   | 0.00           |   |          |
|  |                         | -   | -                                    | 220kV BitDeer - Dagapela Line   | 58.20          |   |          |
|  |                         | -   | -                                    | 5MVA, 220/33kV TFR  | -              |   |          |
| <b>Total</b>   | <b>0.00</b>             | <b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b> | <b>0.00%</b>                         |   |                |   |          |
| 8  | 4 x 15MW KHP            | Unit-I  | 0.00                                 | 132kV KHP - Nangkor Line  | 14.54          | Unit-I on Standby.<br>Unit-III under Shutdown (Annual Maintenance).   |          |
|  |                         | Unit-II   | 14.16                                | 132kV KHP - Kilikhar Line   | 13.22          |   |          |
|  |                         | Unit-III  | 0.00                                 | 5MVA, 132/11kV TFR  | 0.35           |   |          |
|  |                         | Unit-IV   | 14.22                                | 132kV Motanga - Rangia Line   | -34.94         |   |          |
|  |                         | <b>Total</b>  | <b>28.38</b>                         | <b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b> | <b>0.95%</b>   |   |          |
| 9  | 2 x 59MW NHP            | Unit-I  | 0.00                                 | 132kV NHP-MHP-I   | 0.00           | Total plant shutdown<br>132kV NHP-MHP line I under ideal charge at NHP end.   |          |
|  |                         | Unit-II   | 0.00                                 | 132kV NHP-MHP-II  | 0.00           |   |          |
|  |                         | <b>Total</b>  | <b>0.00</b>                          | <b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b> | <b>0.00%</b>   |   |          |
| 10   | 2 x 9MW SHP             | Unit-I  | 4.45                                 | 66kV SHP-Damdhum (Samtse)   | 0.00           | Unit-II on Standby.<br>Interim measure: Evacuation is through 33kV System.  |          |
|  |                         | Unit-II   | 0.00                                 | -   | -              |   |          |
|  |                         | <b>Total</b>  | <b>4.45</b>                          | <b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b> | <b>100.00%</b> |   |          |
| 11   | 17.38 MWp Sephu (Solar) | Inverter-1  | 1.58                                 | 33kV SSP-Wangdue  | 7.00           | Inverters 4 & 5 on standby.33kV SSP-Trongsa Line Not Available(LBS construction at Tashidingkha Distribution Sub-station).  |          |
|  |                         | Inverter-2  | 2.75                                 | 33kV SSP-Trongsa  | 0.00           |   |          |
|  |                         | Inverter-3  | 2.66                                 | -   | -              |   |          |
|  |                         | Inverter-4  | 0.00                                 | -   | -              |   |          |
|  |                         | Inverter-5  | 0.00                                 | -   | -              |   |          |
|  |                         | <b>Total</b>  | <b>6.99</b>                          | <b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b> | <b>-0.14%</b>  |   |          |

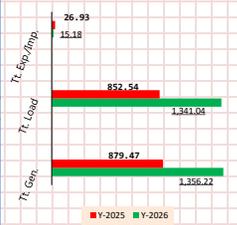
Note: Generation-Load Summary (MW) for 25-Jan-26 at 09:00 hrs

| Sl. No. | Region                                | Total Generation | Total Domestic Load (Total Generation - Total Export) | Total Export(+ve)/Import(-ve) |
|---------|---------------------------------------|------------------|---|-------------------------------|
| 1       | Both Eastern & Western (Whole Bhutan) | 1,356.22         | 1,341.04  | 15.18                         |

Note: Generation-Load Summary (MW) for 25-Jan-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) | 879.47           | 852.54  | 26.93                         |

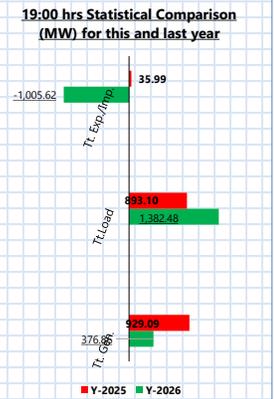
09:00 hrs Statistical Comparison (MW) for this and last year



| THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 26-Jan-2026(-ve:import, +ve:export) |                    |   |                                      |   |                |   |          |
|--|--------------------|---|--------------------------------------|---|----------------|---|----------|
| Report   | Date               | Time  | National Coincidental Peak Load (MW) |   | Date           | Time  | Load     |
| Details  | January 25, 2026   | 18:00:00  |                                      |   | 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 170MW THP      | Unit-I  | 40.10                                | 400kV THP - Siliguri Line - I   | 0.00           | Unit- IV, V & VI under Shutdown (Annual Maintenance).<br>400kV THP-NOR Line IV remains under Shutdown. NOR insisted to charge 400kV NOR_SIL line together with 400kV THP_NOR. 400kV THP - Siliguri line - I on Standby. |          |
|  |                    | Unit-II   | 39.98                                | 400kV THP - Siliguri Line - II  | -107.41        |   |          |
|  |                    | Unit-III  | 30.40                                | 400kV THP - Norbugang Line - IV   | 0.00           |   |          |
|  |                    | Unit-IV   | 0.00                                 | 400kV THP - Malbase Line - III  | 217.80         |   |          |
|  |                    | Unit-V  | 0.00                                 | 400kV Malbase - Siliguri Line   | -158.36        |   |          |
|  |                    | Unit-VI   | 0.00                                 | 400kV Norbugang-Siliguri Line   | 0.00           |   |          |
|  |                    | <b>Total</b>  | <b>110.48</b>                        | <b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b> | <b>0.08%</b>   |   |          |
| 2  | 4 x 180MW MHP      | Unit-I  | 0.00                                 | 400kV MHP - Jigmeling Line - I  | -36.70         | Unit-I under Shutdown (Annual Maintenance).<br>Unit-III on Standby.<br>400kV MHP-JLG Line - II & III on Standby.  |          |
|  |                    | Unit-II   | 20.18                                | 400kV MHP - Jigmeling Line - II   | 0.00           |   |          |
|  |                    | Unit-III  | 0.00                                 | 400kV MHP - Jigmeling Line - III  | 0.00           |   |          |
|  |                    | Unit-IV   | 20.17                                | 400kV MHP - Jigmeling Line - IV   | -36.40         |   |          |
|  |                    | -   | -                                    | 220kV Jigmeling - BitDeer Line - I  | 198.23         |   |          |
|  |                    | -   | -                                    | 220kV Jigmeling - BitDeer Line - II                                       | 201.23         |   |          |
|  |                    | -   | -                                    | 500MVA, 400/220kV ICT at Jigmeling (HV)                                   | 411.60         |   |          |
|  |                    | -   | -                                    | 400kV Jigmeling - Alipurduar Line - I                                     | -144.00        |   |          |
|  |                    | -   | -                                    | 400kV Jigmeling - Alipurduar Line - II                                    | -149.09        |   |          |
|  |                    | -   | -                                    | 80MVA, 220/132kV ICT - I (HV)   | -27.20         |   |          |
|  |                    | -   | -                                    | 80MVA, 220/132kV ICT - II (HV)  | -28.10         |   |          |
|  |                    | -   | -                                    | 132kV MHP - Yurmo Line - II   | 67.84          |   |          |
|  |                    | -   | -                                    | 132kV MHP - Tintibi Line  | 45.49          |   |          |
|  |                    | -   | -                                    | 132kV Gelephu - Salakati Line   | -66.02         |   |          |
|  |                    | <b>Total</b>  | <b>40.35</b>                         | <b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b> | <b>0.30%</b>   |   |          |
| 3  | 6 x 170MW PHP-II   | Unit-I  | 0.00                                 | 400kV PHP II - Jigmeling -I   | 192.50         | Unit-I & II under Shutdown (Annual Maintenance).<br>Unit-III,IV & V on Standby.<br>400kV PHPII - JLG-II on Standby.<br>400kV PHP II-ALI-I on Standby.   |          |
|  |                    | Unit-II   | 0.00                                 | 400kV PHP II - Jigmeling -II  | 0.00           |   |          |
|  |                    | Unit-III  | 0.00                                 | 400kV PHP II - Alipurduar -I  | 0.00           |   |          |
|  |                    | Unit-IV   | 0.00                                 | 400kV PHP II - Alipurduar -II   | -50.90         |   |          |
|  |                    | Unit-V  | 0.00                                 | -   | -              |   |          |
|  |                    | Unit-VI   | 141.80                               | -   | -              |   |          |
|  |                    | <b>Total</b>  | <b>141.80</b>                        | <b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b> | <b>0.14%</b>   |   |          |
| 4  | 4 x 84MW CHP       | Unit-I  | 0.00                                 | 220kV CHP - Birpara Line - I  | -113.40        | Unit-I & II under Shutdown (Annual Maintenance).  |          |
|  |                    | Unit-II   | 0.00                                 | 220kV CHP - Birpara Line - II   | -112.30        |   |          |
|  |                    | Unit-III  | 18.10                                | 220kV CHP - Gedu  | -78.80         |   |          |
|  |                    | Unit-IV   | 18.32                                | 220kV CHP - Jamjee - I  | 114.20         |   |          |
|  |                    | -   | -                                    | 220kV CHP - Jamjee - II   | 114.42         |   |          |
|  |                    | -   | -                                    | 220kV CHP - Jamjee - III  | 110.50         |   |          |
|  |                    | -   | -                                    | 220kV Malbase - Birpara Line  | -88.60         |   |          |
| -  | -                  | 66kV CHP - Gedu Line  | 1.48                                 |   |                |   |          |
| <b>Total</b>   | <b>36.42</b>       | <b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b> | <b>0.88%</b>                         |   |                |   |          |
| 5  | 2 x 12MW BHP (U/S) | Unit-I  | 0.00                                 | 220kV BHP - Sertokha Line   | -4.70          | L/S Unit-II under AMP.<br>U/S unit-I under Shutdown...<br>220kV BHP-TSI line under Shutdown.  |          |
|  |                    | Unit-II   | 6.30                                 | 66kV BHP - Lobeysa Line   | 22.73          |   |          |
|  |                    | <b>Total</b>  | <b>6.30</b>                          | 220kV BHP - Tsirang Line  | 0.00           |   |          |
| 6  | 2 x 20MW BHP (L/S) | Unit-I  | 12.70                                | 5MVA, 66/11kV TFR   | 0.96           |   |          |
|  |                    | Unit-II   | 0.00                                 | 30MVA ICT, 220/66kV (HV)  | 17.42          |   |          |
|  |                    | <b>Total</b>  | <b>12.70</b>                         | <b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b> | <b>0.05%</b>   |   |          |
| 7  | 2 x 63MW DHP       | Unit-I  | 0.00                                 | 220kV DHP - Tsirang Line  | 0.00           | Total Plant Shutdown from 10:27 hrs (09.10.2025) due to Seepage in HRC .  |          |
|  |                    | Unit-II   | 0.00                                 | 220kV DHP - Dagapela Line   | 0.00           |   |          |
|  |                    | -   | -                                    | 220kV BitDeer - Dagapela Line   | 58.20          |   |          |
|  |                    | -   | -                                    | 5MVA, 220/33kV TFR  | -              |   |          |
| <b>Total</b>   | <b>0.00</b>        | <b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b> | <b>0.00%</b>                         |   |                |   |          |
| 8  | 4 x 15MW KHP       | Unit-I  | 12.17                                | 132kV KHP - Nangkor Line  | 7.56           | Unit-II on Standby.<br>Unit-III under Shutdown (AMP).   |          |
|  |                    | Unit-II   | 0.00                                 | 132kV KHP - Kilikhar Line   | 16.19          |   |          |
|  |                    | Unit-III  | 0.00                                 | 5MVA, 132/11kV TFR  | 0.38           |   |          |
|  |                    | Unit-IV   | 12.22                                | 132kV Motanga - Rangia Line   | -15.54         |   |          |
|  |                    | <b>Total</b>  | <b>24.39</b>                         | <b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b> | <b>1.07%</b>   |   |          |
| 9  | 2 x 59MW NHP       | Unit-I  | 0.00                                 | 132kV NHP-MHP-I   | 0.00           | Total Plant shutdown.<br>132kV NHP-MHP line I under ideal charge at NHP end.  |          |
|  |                    | Unit-II   | 0.00                                 | 132kV NHP-MHP-II  | 0.00           |   |          |
|  |                    | <b>Total</b>  | <b>0.00</b>                          | <b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b> | <b>0.00%</b>   |   |          |
| 10   | 2 x 9MW SHP        | Unit-I  | 4.42                                 | 66kV SHP-Damdhum (Samtse)   | 0.00           | Unit-II on Standby.<br>Interim measure: Evacuation is through 33kV System.  |          |
|  |                    | Unit-II   | 0.00                                 | -   | -              |   |          |
|  |                    | <b>Total</b>  | <b>4.42</b>                          | <b>Auxiliary Consumption &amp; Transformation Losses at Generator end</b> | <b>100.00%</b> |   |          |

Note: Generation-Load Summary (MW) for 25-Jan-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) | 376.86           | 1,382.48  | -1,005.62                      |



Note: Generation-Load Summary (MW) for 25-Jan-2025, 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) | 929.09           | 893.10  | 35.99                          |

Note: Daily Energy (MUs) and Power(MW) Statistics for 25-Jan-2026

| Sl. No. | Total Energy Generation | Daily Energy Met | Net Energy Import (IEX and Solar) | Net Energy Export | Peak Cross-border (MW) |
|---------|-------------------------|------------------|-----------------------------------|-------------------|------------------------|
| 1       | 13.28                   | 31.77            | 18.49                             | 0.00              | -1,064.28              |

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.