

**CENTRAL ELECTRICITY AUTHORITY**  
**G O & D WING**  
**OPERATION PERFORMANCE MONITORING DIVISION**

SUB- REPORT 2

**ENERGYWISE - PERFORMANCE STATUS ALL INDIA - REGIONWISE**

PERIOD:SEP-2021 VIS-A-VIS SEP-2020 AND APR-SEP-2021 VIS-A-VIS APR-SEP-2020

2. SUMMARY - REGION WISE

| Category / Regions          | Monitored Capacity (MW) | Target<br>Apr 2021 to Mar 2022 | GENERATION (GWH) |                 |                   |                     |                      |                       |                  |                    |                    |                       | PLANT LOAD FACTOR (%) |          |                   |                       |          |                    |
|-----------------------------|-------------------------|--------------------------------|------------------|-----------------|-------------------|---------------------|----------------------|-----------------------|------------------|--------------------|--------------------|-----------------------|-----------------------|----------|-------------------|-----------------------|----------|--------------------|
|                             |                         |                                | SEP-2021         |                 |                   |                     |                      | APRIL 2021 - SEP-2021 |                  |                    |                    |                       | SEP-2021              |          |                   | APRIL 2021 - SEP-2021 |          |                    |
|                             |                         |                                | PROGRAM          | ACTUAL *        | ACTUAL SAME MONTH | % OF PRO-GRAM (4/3) | % OF LAST YEAR (4/5) | PROGRAM               | ACTUAL *         | ACTUAL SAME PERIOD | % OF PROGRAM (9/8) | % OF LAST YEAR (9/10) | PROGRAM               | ACTUAL * | ACTUAL SAME MONTH | PROGRAM               | ACTUAL * | ACTUAL SAME PERIOD |
|                             |                         |                                |                  |                 | 2020-21           |                     |                      |                       |                  | 2020-21            |                    |                       |                       |          | 2020-21           |                       |          |                    |
|                             | 1                       | 2                              | 3                | 4               | 5                 | 6                   | 7                    | 8                     | 9                | 10                 | 11                 | 12                    | 13                    | 14       | 15                | 16                    | 17       | 18                 |
| <b>NORTHERN REGION</b>      |                         |                                |                  |                 |                   |                     |                      |                       |                  |                    |                    |                       |                       |          |                   |                       |          |                    |
| THERMAL                     | 50340.26                | 251820.00                      | 20937.00         | 19367.98        | 20225.69          | 92.51               | 95.76                | 125831.00             | 117021.47        | 99867.96           | 93.00              | 117.18                | 59.50                 | 57.29    | 63.27             | 59.50                 | 57.08    | 50.26              |
| NUCLEAR                     | 1620.00                 | 9545.00                        | 790.00           | 940.69          | 906.56            | 119.07              | 103.77               | 5154.00               | 5781.23          | 5676.42            | 112.17             | 101.85                | 72.19                 | 80.65    | 77.72             | 77.20                 | 81.25    | 79.78              |
| HYDRO                       | 19378.27                | 75684.00                       | 8533.00          | 9207.31         | 9294.43           | 107.90              | 99.06                | 52559.00              | 49738.69         | 54135.94           | 94.63              | 91.88                 |                       |          |                   |                       |          |                    |
| <b>Total</b>                | <b>71338.53</b>         | <b>337049.00</b>               | <b>30260.00</b>  | <b>29515.98</b> | <b>30426.68</b>   | <b>97.54</b>        | <b>97.01</b>         | <b>183544.00</b>      | <b>172541.39</b> | <b>159680.32</b>   | <b>94.01</b>       | <b>108.05</b>         |                       |          |                   |                       |          |                    |
| <b>WESTERN REGION</b>       |                         |                                |                  |                 |                   |                     |                      |                       |                  |                    |                    |                       |                       |          |                   |                       |          |                    |
| THERMAL                     | 97502.49                | 476470.00                      | 38949.00         | 32130.95        | 37950.78          | 82.49               | 84.66                | 233586.00             | 224396.52        | 206079.38          | 96.07              | 108.89                | 59.57                 | 49.34    | 58.51             | 58.64                 | 56.82    | 51.51              |
| NUCLEAR                     | 1840.00                 | 13505.00                       | 1185.00          | 979.62          | 757.87            | 82.67               | 129.26               | 7027.00               | 6045.17          | 6617.83            | 86.03              | 91.35                 | 64.80                 | 73.94    | 57.21             | 62.99                 | 74.80    | 81.89              |
| HYDRO                       | 7392.00                 | 16042.00                       | 2078.00          | 1077.99         | 2893.21           | 51.88               | 37.26                | 7742.00               | 7174.01          | 9303.78            | 92.66              | 77.11                 |                       |          |                   |                       |          |                    |
| <b>Total</b>                | <b>106734.49</b>        | <b>506017.00</b>               | <b>42212.00</b>  | <b>34188.56</b> | <b>41601.86</b>   | <b>80.99</b>        | <b>82.18</b>         | <b>248355.00</b>      | <b>237615.70</b> | <b>222000.99</b>   | <b>95.68</b>       | <b>107.03</b>         |                       |          |                   |                       |          |                    |
| <b>SOUTHERN REGION</b>      |                         |                                |                  |                 |                   |                     |                      |                       |                  |                    |                    |                       |                       |          |                   |                       |          |                    |
| THERMAL                     | 48717.96                | 222615.00                      | 18436.00         | 15815.42        | 11044.39          | 85.79               | 143.20               | 109244.00             | 98414.04         | 72701.89           | 90.09              | 135.37                | 55.63                 | 50.16    | 35.30             | 54.32                 | 51.62    | 38.11              |
| NUCLEAR                     | 3320.00                 | 19970.00                       | 1907.00          | 1872.49         | 2217.53           | 98.19               | 84.44                | 9859.00               | 9975.47          | 9959.32            | 101.18             | 100.16                | 79.78                 | 78.33    | 92.77             | 67.61                 | 68.41    | 68.30              |
| HYDRO                       | 11739.50                | 30439.00                       | 3413.00          | 4006.59         | 3368.55           | 117.39              | 118.94               | 15221.00              | 18434.81         | 15866.04           | 121.11             | 116.19                |                       |          |                   |                       |          |                    |
| <b>Total</b>                | <b>63777.46</b>         | <b>273024.00</b>               | <b>23756.00</b>  | <b>21694.50</b> | <b>16630.47</b>   | <b>91.32</b>        | <b>130.45</b>        | <b>134324.00</b>      | <b>126824.32</b> | <b>98527.25</b>    | <b>94.42</b>       | <b>128.72</b>         |                       |          |                   |                       |          |                    |
| <b>EASTERN REGION</b>       |                         |                                |                  |                 |                   |                     |                      |                       |                  |                    |                    |                       |                       |          |                   |                       |          |                    |
| THERMAL                     | 35125.05                | 191535.00                      | 15749.00         | 16878.93        | 15734.72          | 107.17              | 107.27               | 94865.00              | 104445.95        | 88518.02           | 110.10             | 117.99                | 57.30                 | 66.84    | 62.61             | 57.47                 | 68.43    | 57.75              |
| HYDRO                       | 5975.45                 | 20540.00                       | 2671.00          | 2707.84         | 2637.43           | 101.38              | 102.67               | 13428.00              | 13402.54         | 14103.66           | 99.81              | 95.03                 |                       |          |                   |                       |          |                    |
| <b>Total</b>                | <b>41100.50</b>         | <b>212075.00</b>               | <b>18420.00</b>  | <b>19586.77</b> | <b>18372.15</b>   | <b>106.33</b>       | <b>106.61</b>        | <b>108293.00</b>      | <b>117848.49</b> | <b>102621.68</b>   | <b>108.82</b>      | <b>114.84</b>         |                       |          |                   |                       |          |                    |
| <b>NORTH EASTERN REGION</b> |                         |                                |                  |                 |                   |                     |                      |                       |                  |                    |                    |                       |                       |          |                   |                       |          |                    |
| THERMAL                     | 2505.95                 | 12760.00                       | 1064.00          | 1210.47         | 1032.10           | 113.77              | 117.28               | 6304.00               | 6426.04          | 6148.10            | 101.94             | 104.52                | 44.07                 | 67.25    | 46.18             | 44.08                 | 62.75    | 43.40              |
| HYDRO                       | 2027.00                 | 6839.00                        | 947.00           | 818.26          | 696.80            | 86.41               | 117.43               | 4665.00               | 4108.94          | 3516.67            | 88.08              | 116.84                |                       |          |                   |                       |          |                    |
| <b>Total</b>                | <b>4532.95</b>          | <b>19599.00</b>                | <b>2011.00</b>   | <b>2028.73</b>  | <b>1728.90</b>    | <b>100.88</b>       | <b>117.34</b>        | <b>10969.00</b>       | <b>10534.98</b>  | <b>9664.77</b>     | <b>96.04</b>       | <b>109.00</b>         |                       |          |                   |                       |          |                    |

| Category /<br>Regions | Monitored Capacity<br>(MW) | Target<br><br>Apr 2021 to Mar 2022 | GENERATION (GWH) |           |                         |                               |                               |                       |           |                          |                          |                                | PLANT LOAD FACTOR (%) |          |                         |                       |          |                          |
|-----------------------|----------------------------|------------------------------------|------------------|-----------|-------------------------|-------------------------------|-------------------------------|-----------------------|-----------|--------------------------|--------------------------|--------------------------------|-----------------------|----------|-------------------------|-----------------------|----------|--------------------------|
|                       |                            |                                    | SEP-2021         |           |                         |                               |                               | APRIL 2021 - SEP-2021 |           |                          |                          |                                | SEP-2021              |          |                         | APRIL 2021 - SEP-2021 |          |                          |
|                       |                            |                                    | PROGRAM          | ACTUAL *  | ACTUAL<br>SAME<br>MONTH | % OF<br>PRO-<br>GRAM<br>(4/3) | % OF<br>LAST<br>YEAR<br>(4/5) | PROGRAM               | ACTUAL *  | ACTUAL<br>SAME<br>PERIOD | % OF<br>PROGRAM<br>(9/8) | % OF<br>LAST<br>YEAR<br>(9/10) | PROGRAM               | ACTUAL * | ACTUAL<br>SAME<br>MONTH | PROGRAM               | ACTUAL * | ACTUAL<br>SAME<br>PERIOD |
|                       |                            |                                    |                  |           | 2020-21                 |                               |                               |                       |           | 2020-21                  |                          |                                |                       |          | 2020-21                 |                       |          |                          |
|                       | 1                          | 2                                  | 3                | 4         | 5                       | 6                             | 7                             | 8                     | 9         | 10                       | 11                       | 12                             | 13                    | 14       | 15                      | 16                    | 17       | 18                       |
| BHUTAN IMP. REGION    |                            |                                    |                  |           |                         |                               |                               |                       |           |                          |                          |                                |                       |          |                         |                       |          |                          |
|                       | 0.00                       | 8236.00                            | 920.00           | 1335.97   | 1451.80                 | 145.21                        | 92.02                         | 6108.00               | 5710.47   | 6809.50                  | 93.49                    | 83.86                          |                       |          |                         |                       |          |                          |
| ALL INDIA REGION      |                            |                                    |                  |           |                         |                               |                               |                       |           |                          |                          |                                |                       |          |                         |                       |          |                          |
| THERMAL               | 234191.72                  | 1155200.00                         | 95135.00         | 85403.75  | 85987.68                | 89.77                         | 99.32                         | 569830.00             | 550704.02 | 473315.35                | 96.64                    | 116.35                         | 58.29                 | 54.25    | 55.57                   | 57.68                 | 57.84    | 49.63                    |
| NUCLEAR               | 6780.00                    | 43020.00                           | 3882.00          | 3792.80   | 3881.96                 | 97.70                         | 97.70                         | 22040.00              | 21801.88  | 22253.57                 | 98.92                    | 97.97                          | 73.06                 | 77.70    | 79.52                   | 68.00                 | 73.22    | 74.73                    |
| HYDRO                 | 46512.22                   | 149544.00                          | 17642.00         | 17817.99  | 18890.42                | 101.00                        | 94.32                         | 93615.00              | 92858.99  | 96926.09                 | 99.19                    | 95.80                          |                       |          |                         |                       |          |                          |
| BHUTAN IMP            | 0.00                       | 8236.00                            | 920.00           | 1335.97   | 1451.80                 | 145.21                        | 92.02                         | 6108.00               | 5710.47   | 6809.50                  | 93.49                    | 83.86                          |                       |          |                         |                       |          |                          |
| Total                 | 287483.94                  | 1356000.00                         | 117579.00        | 108350.51 | 110211.86               | 92.15                         | 98.31                         | 691593.00             | 671075.36 | 599304.51                | 97.03                    | 111.98                         |                       |          |                         |                       |          |                          |

\* PROVISIONAL BASED ON ACTUAL-CUM-ASSESMENT