



भारत सरकार  
Government of India  
विद्युत मंत्रालय  
Ministry of Power  
केन्द्रीय विद्युत प्राधिकरण  
Central Electricity Authority



नवीकरणीय ऊर्जा परियोजना प्रबोधन प्रभाग  
Renewable Energy Project Monitoring Division

## वितरण सूची/Distribution List

1. सचिव, विद्युत मंत्रालय, श्रम शक्ति भवन, रफी मार्ग, नई दिल्ली- 110001  
Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi-01
2. सचिव, नवीन और नवीकरणीय ऊर्जा मंत्रालय, ब्लॉक -14, सीजीओ कॉम्प्लेक्स, लोधी रोड, नई दिल्ली -110003  
Secretary, Ministry of New and Renewable Energy, , CGO Complex, Lodhi Road, New Delhi-03
3. अध्यक्ष, के.वि.प्रा. सेवा भवन, आर. के. पुरम, नई दिल्ली-110066  
Chairperson, CEA, Sewa Bhawan, R. K. Puram, New Delhi-110066
4. सदस्य (योजना), के.वि.प्रा. सेवा भवन, आर. के. पुरम, नई दिल्ली-110066  
Member (Planning), CEA, Sewa Bhawan, R. K. Puram, New Delhi-110066
5. सदस्य (ई & सी), के.वि.प्रा. सेवा भवन, आर. के. पुरम, नई दिल्ली-110066  
Member (E&C), CEA, Sewa Bhawan, R. K. Puram, New Delhi-110066
6. सदस्य (जी.ओ.डी.), के.वि.प्रा. सेवा भवन, आर. के. पुरम, नई दिल्ली-110066  
Member (GO&D), CEA, Sewa Bhawan, R. K. Puram, New Delhi-110066
7. श्री घनश्याम प्रसाद, संयुक्त सचिव(R&R), विद्युत मंत्रालय, श्रम शक्ति भवन , नई दिल्ली-110001  
Shri Ghanshyam Prasad, Joint Secretary(R&R), Ministry of Power, SS Bhawan, New Delhi-01
8. सलाहकार (उर्जा), नीति आयोग, संसद मार्ग, नई दिल्ली, दिल्ली 110001  
Adviser (Energy), Niti Aayog, Sansad Marg, New Delhi, Delhi 110001
9. मुख्य अभियंता (जी.एम.), के.वि.प्रा. सेवा भवन, नई दिल्ली- 110066  
Chief Engineer (GM), CEA, Sewa Bhawan, New Delhi-110066
10. मुख्य अभियंता (आई.टी.), के.वि.प्रा. सेवा भवन, नई दिल्ली- 110066  
Chief Engineer (IT), CEA, Sewa Bhawan, New Delhi-110066
11. मुख्य अभियंता (ओ.पी.एम.), के.वि.प्रा. सेवा भवन, नई दिल्ली- 110066  
Chief Engineer (OPM), CEA, Sewa Bhawan, New Delhi-110066
12. मुख्य अभियंता (समन्वय ), के.वि.प्रा. सेवा भवन, नई दिल्ली- 110066  
Chief Engineer (Coord.), CEA, Sewa Bhawan, New Delhi-110066
13. निदेशालय (अर्थशास्त्र और सांख्यिकी), विकास भवन- II, तीसरी मंजिल, B 'विंग', मेटकालफ हाउस, न. दि -110054  
Directorate of Economics & Statistics, Vikas Bhawan-II, Illrd Floor, 'B' Wing, Metcalfe House, ND-54.

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SUMMARY OF REPORT FOR THE MONTH OF OCTOBER 2021

Decreased by 22.35 % as compared to September 21.

Increased by 04.29 % as compared to October 20.

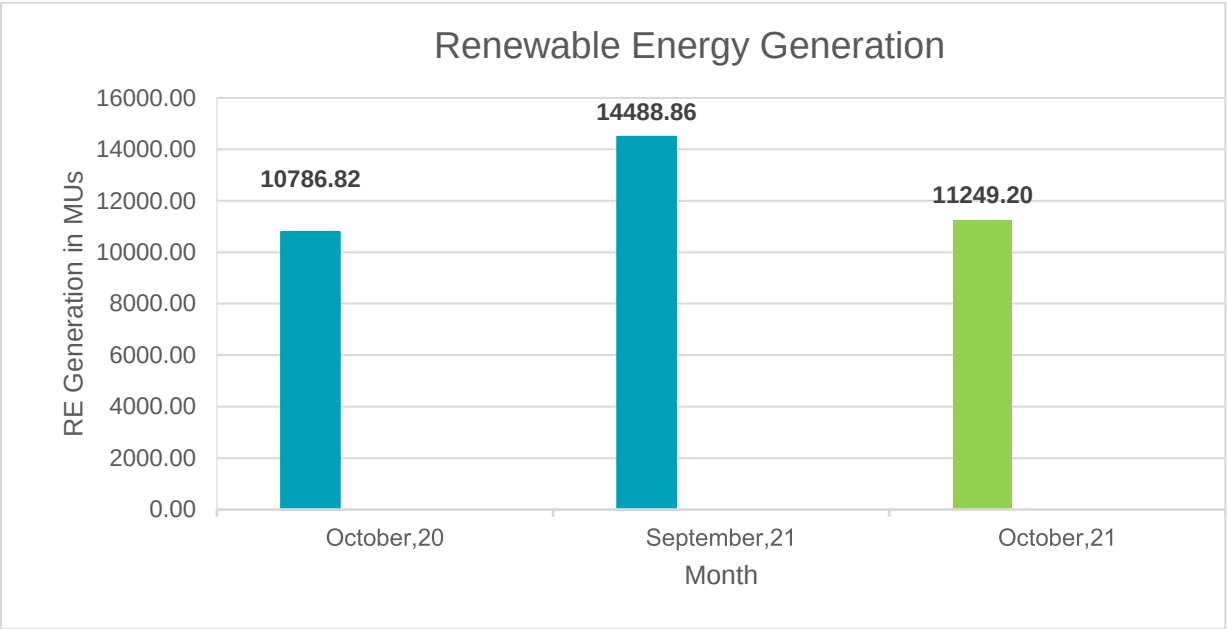


Figure 1: Renewable Energy Generation

Increased by 99.40 % as compared to September 21.

Increased by 79.20 % as compared to October 20.

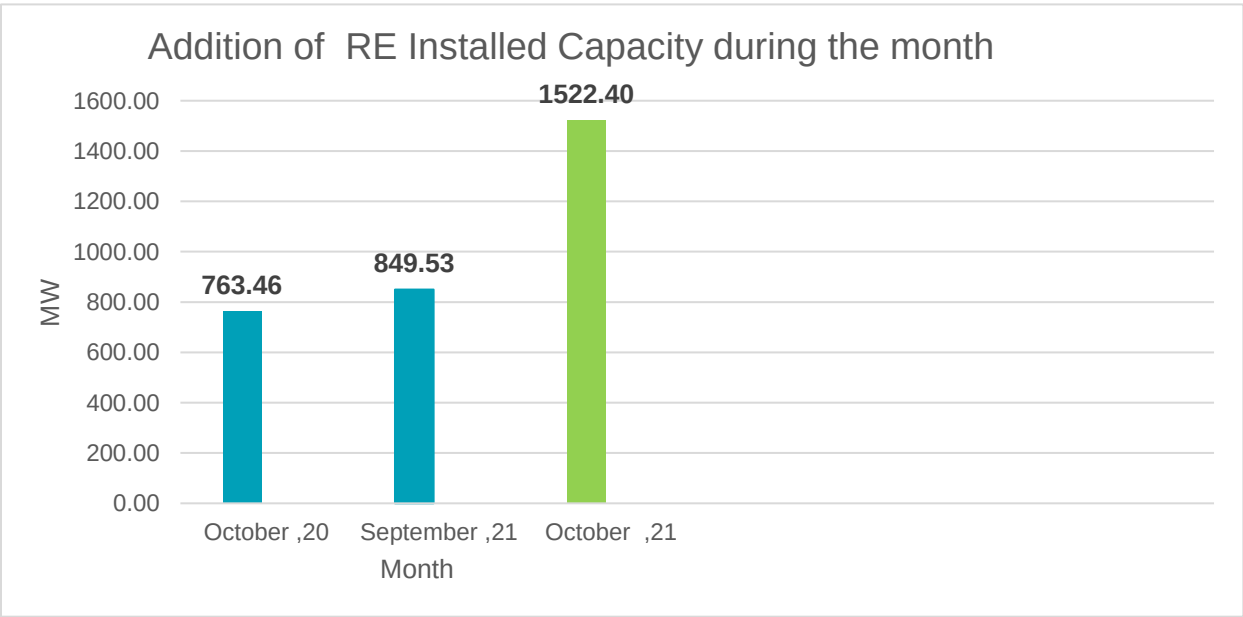


Figure 2 RE capacity added during the Month

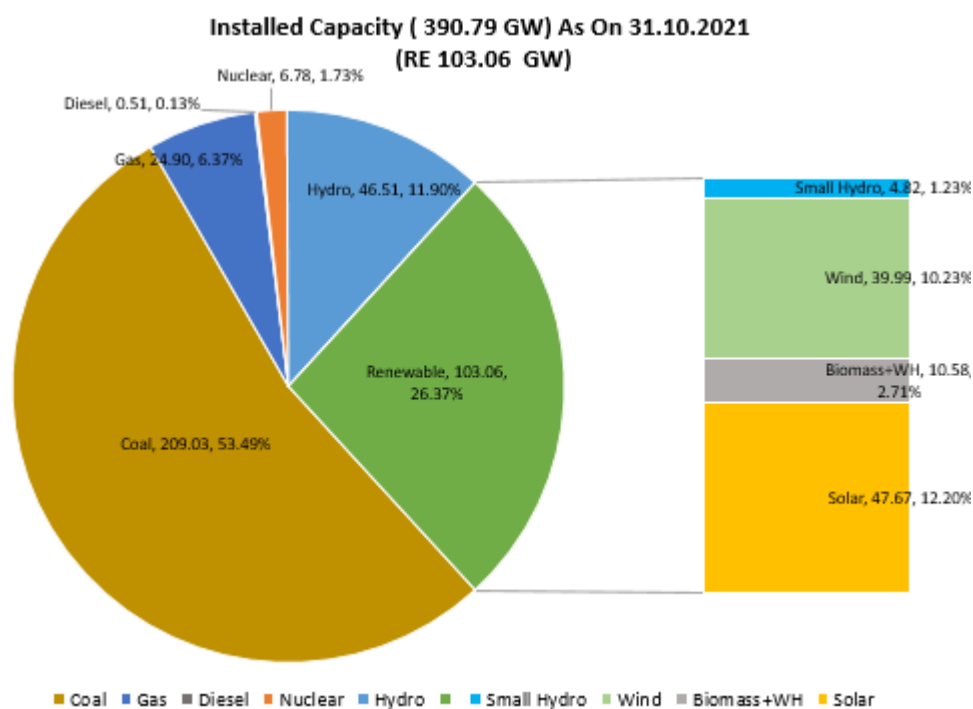


Figure 3 Installed Capacity in India as on 31.10.2021

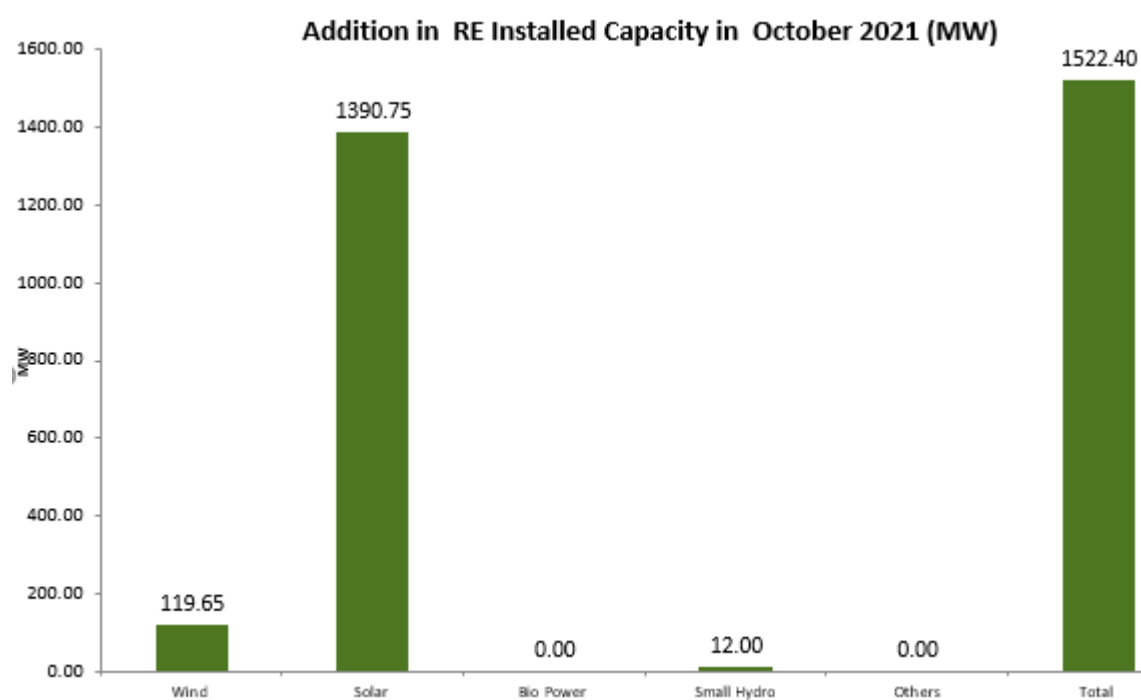


Figure 4: Source wise addition in RE Installed Capacity in October 21

## HIGHLIGHTS OF RE GENERATION DURING OCTOBER 2021

1. RE generation increased by 04.29 % in October 2021 as compared to October 2020.
2. Wind Power generation during the month of October 2021 increased in Rajasthan, Gujarat, Madhya Pradesh and decreased in Maharashtra, Andhra Pradesh, Karnataka and Tamil Nadu, as compared to October 2020.
3. Daily wind generation decreased by 25.36% as compared to October 2020 and decreased by 58.72% as compared to September 2021.
4. Solar Power generation during the month of September 2021 increased in Uttar Pradesh, Rajasthan, Gujarat, Madhya Pradesh, Maharashtra, Andhra Pradesh, Telangana ,Tamil Nadu, Kerala, Orissa and decreased in Karnataka,, as compared to October 2020.
5. Daily solar generation increased by 27.68 % as compared to October 2020 and increased by 11.38% as compared to September 2021.

## ALL INDIA SUMMARY OF RENEWABLE ENERGY GENERATION

| Source      | Installed Capacity (MW) (as on 31.10.2021) | RE Generation(MU) October '2021 | RE Generation(MU) October '2020 | % of same period Last Year | RE Generation (MU) April'21- October 21 | RE Generation (MU) April'20- October 20 | % of same period Last Year |
|-------------|--------------------------------------------|---------------------------------|---------------------------------|----------------------------|-----------------------------------------|-----------------------------------------|----------------------------|
|             | 1                                          | 3                               | 2                               | 4                          | 6                                       | 5                                       | 7                          |
| Wind        | 39990.1                                    | 2977.93                         | 3989.92                         | 74.64                      | 51272.75                                | 43062.05                                | 119.07                     |
| Solar       | 47665.89                                   | 6225.77                         | 4876.01                         | 127.68                     | 40377.57                                | 34005.91                                | 118.74                     |
| Biomass     | 10175.61                                   | 234.16                          | 266.67                          | 87.81                      | 1998.59                                 | 1910.49                                 | 104.61                     |
| Bagasse     |                                            | 337.44                          | 292.32                          | 115.43                     | 2759.30                                 | 2535.60                                 | 108.82                     |
| Small Hydro | 4821.81                                    | 1275.26                         | 1200.53                         | 106.22                     | 7218.84                                 | 7213.60                                 | 100.07                     |
| Others      | 401.84                                     | 198.65                          | 161.38                          | 123.09                     | 1240.96                                 | 792.50                                  | 156.59                     |
| Total       | 103055.25                                  | 11249.20                        | 10786.82                        | 104.29                     | 104868.02                               | 89520.14                                | 117.14                     |

Table 1 All India Summary of Renewable Energy Generation

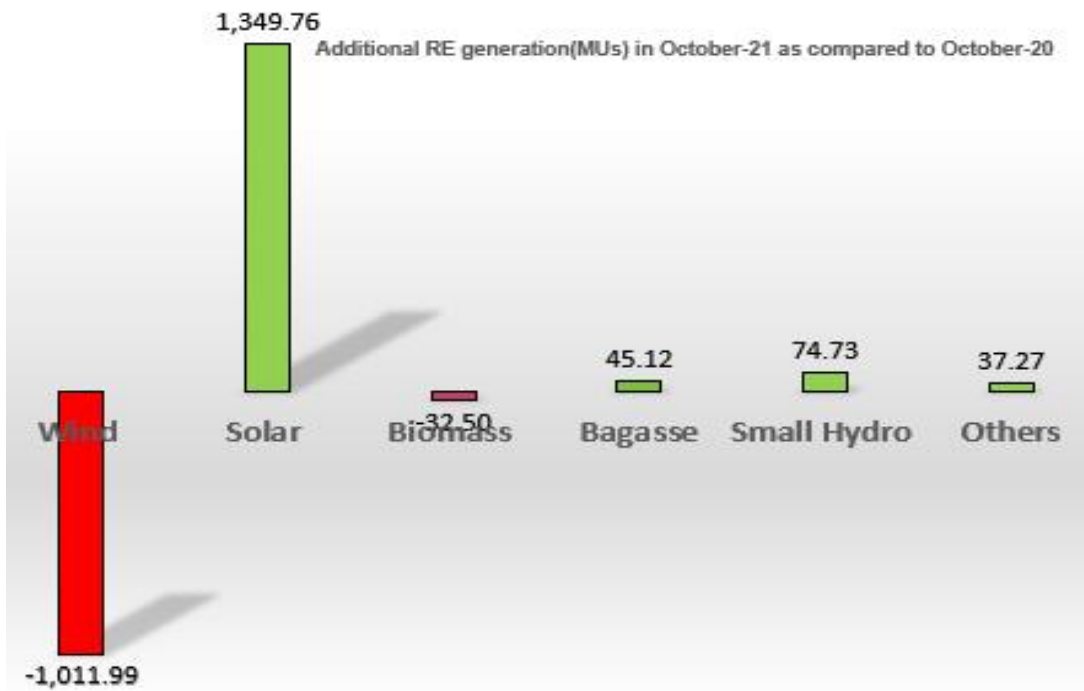


Figure 5 : Additional RE Generation in October 21 compared to October 20

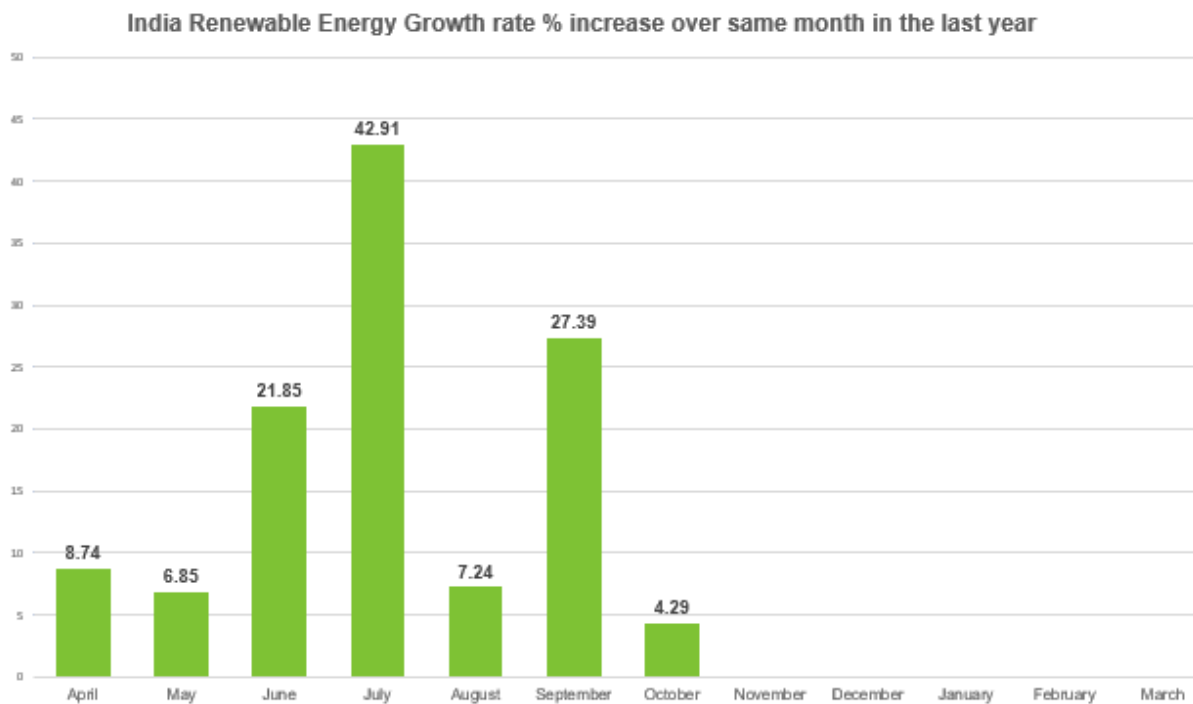


Figure 6: Month Wise Growth of RE Generation in 2021-22 w.r.t to 2020-21

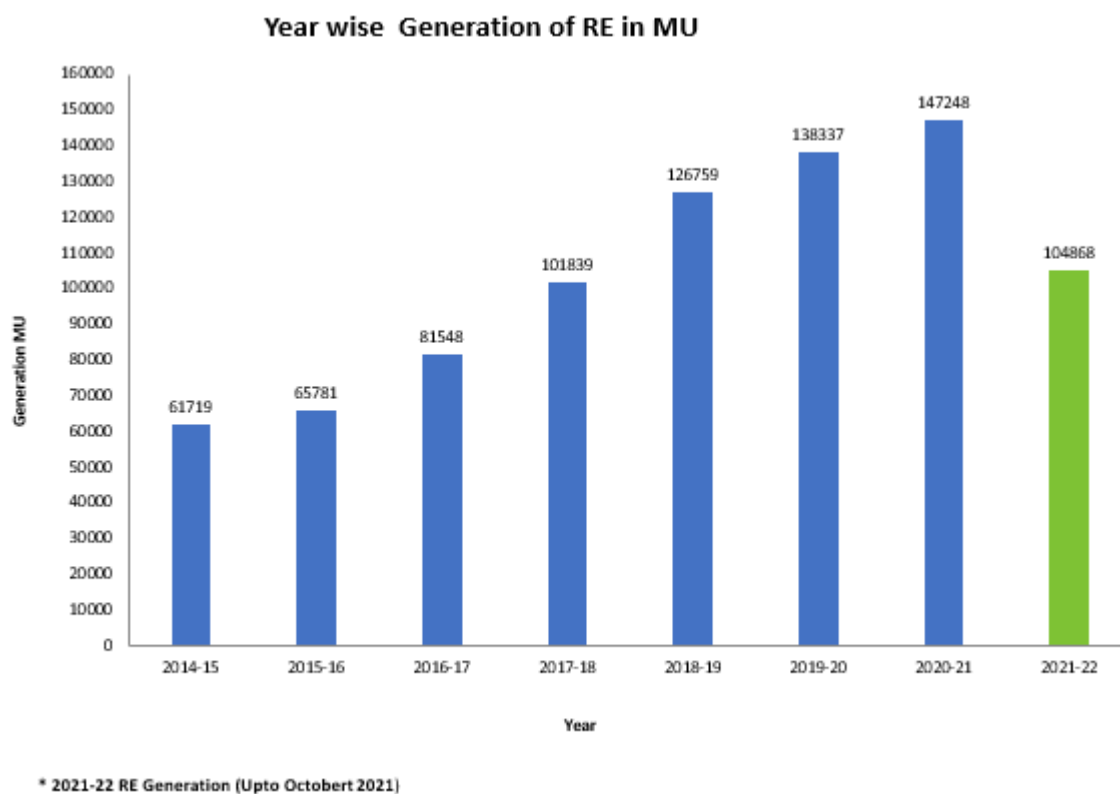


Figure 7 Year Wise RE Generation

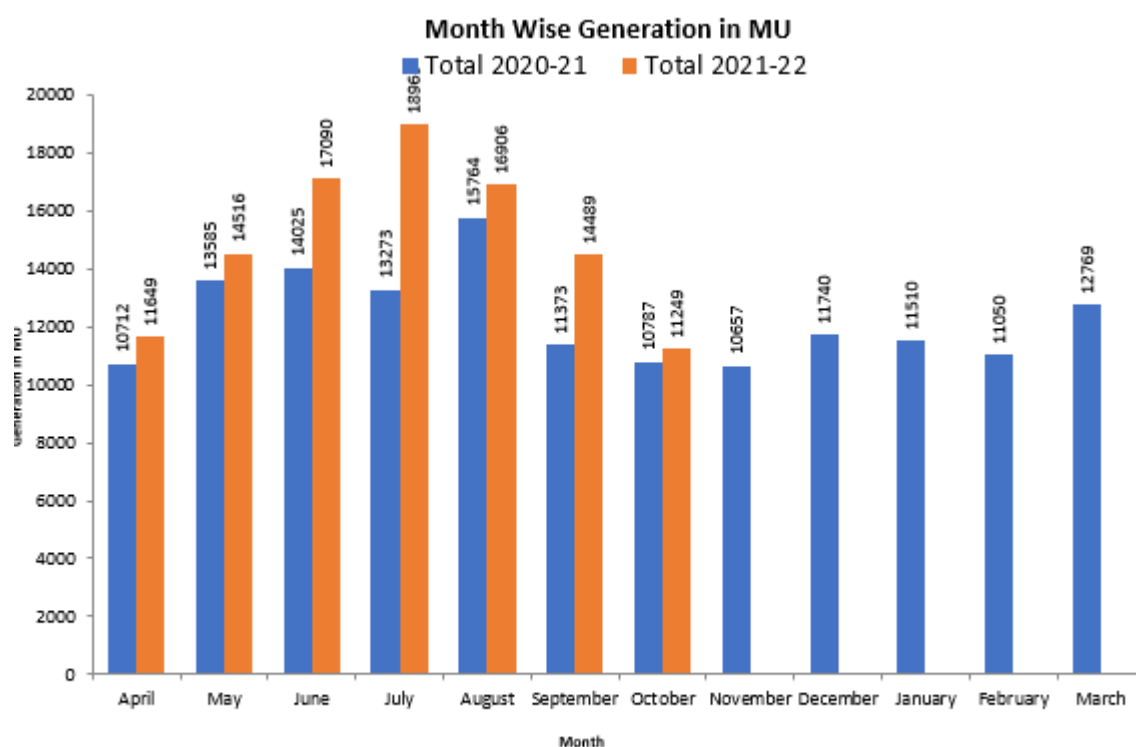


Figure 8: comparison of Month Wise RE Generation in year 2021-22 & in year 2020-21

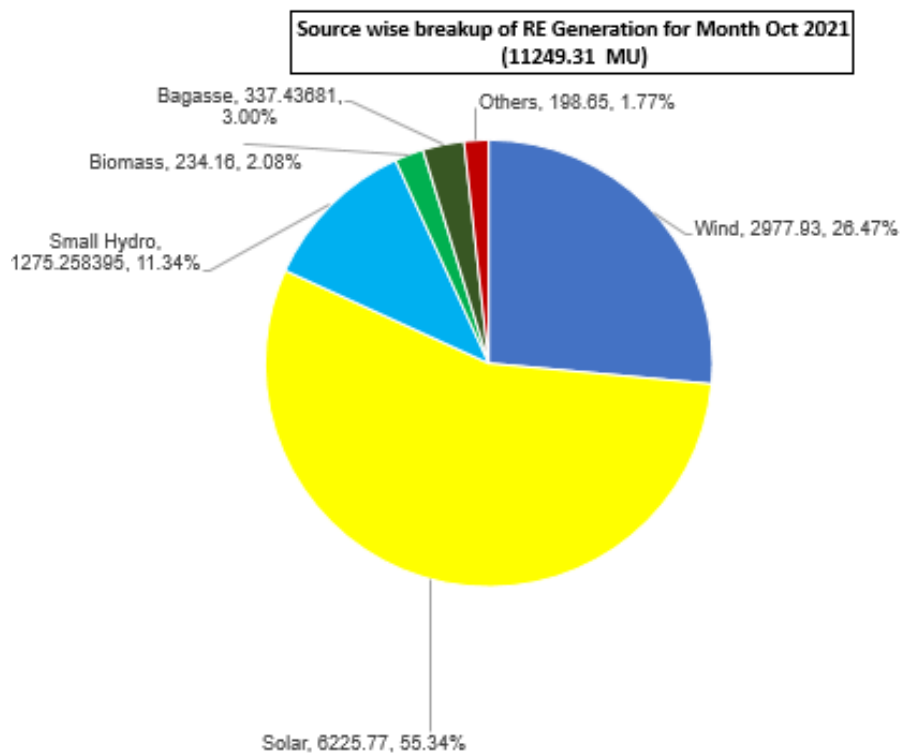


Figure 9 :Source wise breakup of RE Generation in the month of October 21

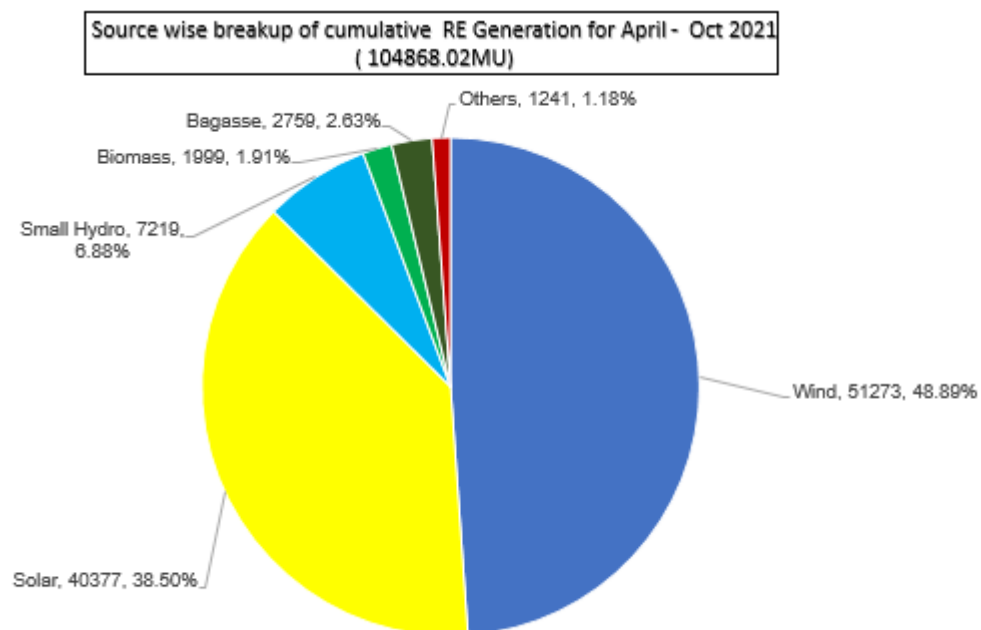


Figure 10: Source wise breakup of Cumulative RE Generation (April-21 – October -21)

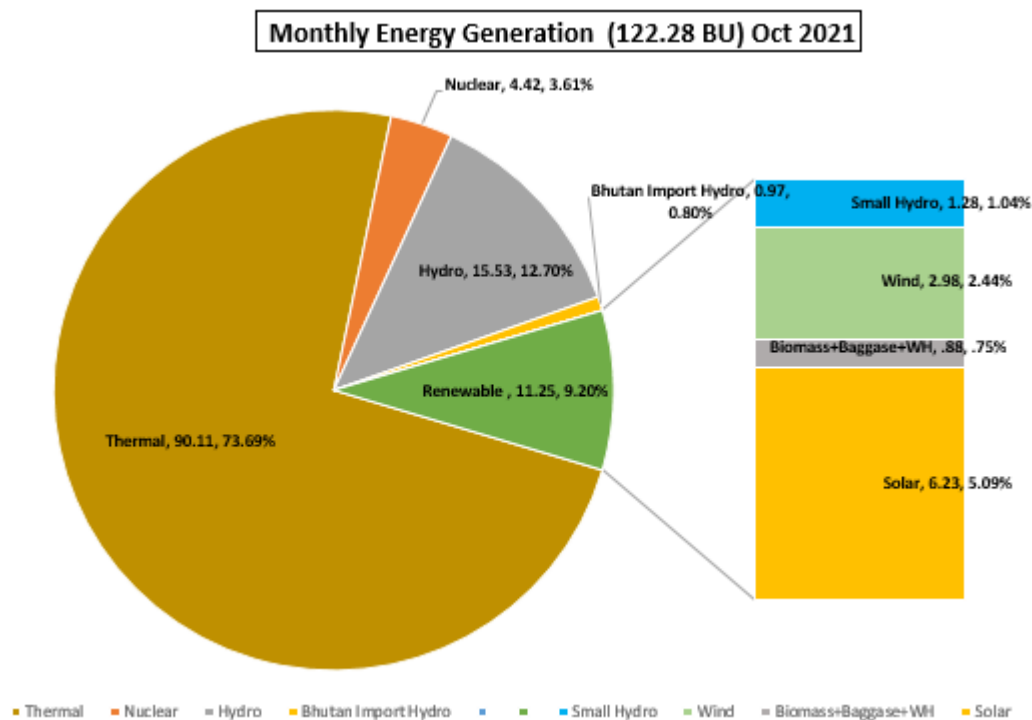


Figure 11 : Total Energy Generation in India and Share of RE in the month of October -21

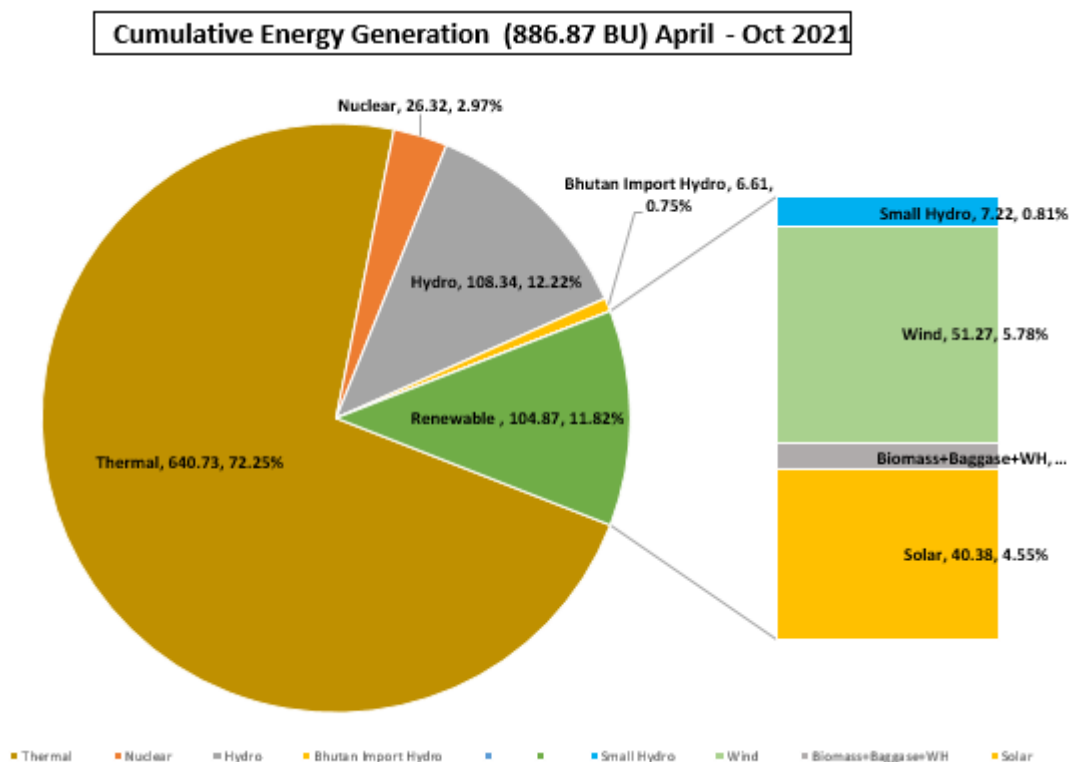


Figure 12: Cumulative Total Energy Generation in India and Share of RE (Apr-21 – October -21)

Table 2 State Wise Renewable Energy Generation

| Renewable Energy Generation (State Wise) for the month of October 2021 |                |                |                           |                          |
|------------------------------------------------------------------------|----------------|----------------|---------------------------|--------------------------|
| State                                                                  | October '2021  | October 2020   | April'2021- October '2021 | April'2020- October 2020 |
| <b>Northern Region</b>                                                 |                |                |                           |                          |
| Chandigarh                                                             | 2.04           | 0.29           | 9.32                      | 5.99                     |
| Delhi                                                                  | 43.81          | 35.68          | 260.28                    | 269.10                   |
| Haryana                                                                | 105.03         | 54.67          | 566.57                    | 406.15                   |
| Himachal Pradesh                                                       | 289.21         | 186.65         | 1554.25                   | 1829.63                  |
| J & K                                                                  | 31.40          | 24.50          | 312.51                    | 336.75                   |
| Ladakh                                                                 | 0.00           | 0.00           | 0.00                      | 0.00                     |
| Punjab                                                                 | 209.21         | 240.00         | 2081.49                   | 1739.41                  |
| Rajasthan                                                              | 1936.16        | 1183.58        | 13407.35                  | 10307.18                 |
| Uttar Pradesh                                                          | 307.71         | 218.95         | 2398.61                   | 2105.94                  |
| Uttarakhand                                                            | 71.67          | 109.85         | 501.69                    | 807.65                   |
| <b>Northern Region Total</b>                                           | <b>2996.24</b> | <b>2054.18</b> | <b>21092.07</b>           | <b>17807.80</b>          |
| <b>Western Region</b>                                                  |                |                |                           |                          |
| Chhattisgarh                                                           | 144.24         | 119.17         | 1110.53                   | 850.10                   |
| Gujarat                                                                | 1300.73        | 980.92         | 15300.24                  | 10518.09                 |
| Madhya Pradesh                                                         | 542.06         | 588.66         | 5496.76                   | 5299.77                  |
| Maharashtra                                                            | 747.97         | 621.11         | 8734.89                   | 7320.76                  |
| Dadra and Nagar Haveli                                                 | 4.61           | 0.38           | 25.16                     | 3.24                     |
| Daman & Diu                                                            | 3.44           | 3.65           | 26.16                     | 19.05                    |
| Goa                                                                    | 0.10           | 0.12           | 0.74                      | 0.78                     |
| <b>Western Region Total</b>                                            | <b>2743.14</b> | <b>2314.00</b> | <b>30694.49</b>           | <b>24011.79</b>          |
| <b>Southern Region</b>                                                 |                |                |                           |                          |
| Andhra Pradesh                                                         | 897.16         | 946.69         | 10433.32                  | 8752.51                  |
| Telangana                                                              | 632.85         | 480.62         | 4162.97                   | 3794.27                  |
| Karnataka                                                              | 1962.29        | 2208.57        | 17474.47                  | 16310.89                 |
| Kerala                                                                 | 159.33         | 135.60         | 988.36                    | 715.51                   |
| Tamil Nadu                                                             | 1517.82        | 2347.44        | 17987.63                  | 16435.59                 |
| Lakshadweep                                                            | 0.01           | 0.05           | 0.16                      | 0.29                     |
| Puducherry                                                             | 1.02           | 0.37           | 7.14                      | 2.59                     |
| <b>Southern Region Total</b>                                           | <b>5170.48</b> | <b>6119.34</b> | <b>51054.05</b>           | <b>46011.64</b>          |
| <b>Eastern Region</b>                                                  |                |                |                           |                          |
| Andaman Nicobar                                                        | 3.51           | 3.15           | 19.84                     | 24.53                    |
| Bihar                                                                  | 14.18          | 14.19          | 100.23                    | 157.67                   |
| Jharkhand                                                              | 1.30           | 2.79           | 10.48                     | 14.02                    |
| Orissa                                                                 | 115.89         | 92.21          | 671.11                    | 514.37                   |
| Sikkim                                                                 | 1.03           | 5.41           | 7.21                      | 33.30                    |
| West Bengal                                                            | 172.05         | 154.40         | 1063.15                   | 813.58                   |
| <b>Eastern Region Total</b>                                            | <b>307.96</b>  | <b>272.15</b>  | <b>1872.02</b>            | <b>1557.47</b>           |
| <b>North Eastern Region</b>                                            |                |                |                           |                          |
| Arunachal Pradesh                                                      | 0.17           | 0.17           | 1.20                      | 1.19                     |
| Assam                                                                  | 10.53          | 3.18           | 63.92                     | 23.04                    |
| Manipur                                                                | 0.49           | 0.48           | 3.91                      | 3.92                     |
| Meghalaya                                                              | 4.26           | 10.68          | 26.01                     | 28.86                    |

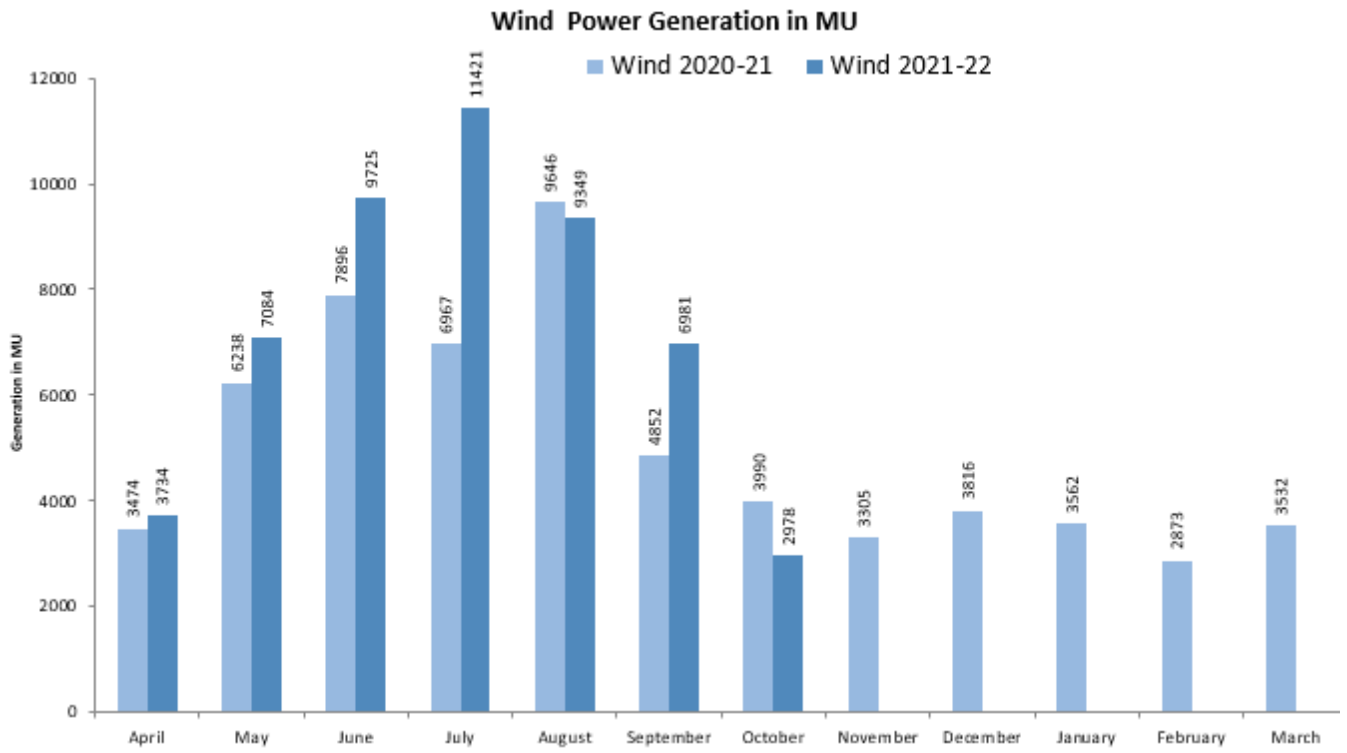
| Renewable Energy Generation (State Wise) for the month of October 2021 |               |              |                           |                          |
|------------------------------------------------------------------------|---------------|--------------|---------------------------|--------------------------|
| State                                                                  | October '2021 | October 2020 | April'2021- October '2021 | April'2020- October 2020 |
| Mizoram                                                                | 3.23          | 5.06         | 12.34                     | 25.10                    |
| Nagaland                                                               | 12.37         | 7.23         | 43.26                     | 44.99                    |
| Tripura                                                                | 0.46          | 0.34         | 4.77                      | 5.33                     |
| North Eastern Region Total                                             | 31.51         | 27.14        | 155.40                    | 132.44                   |
| All India Total                                                        | 11249.31      | 10786.82     | 104868.02                 | 89521.13                 |

Table 3 State Wise Wind Power Generation

| Renewable Energy Generation (State Wise) for the month of October 2021 |                |                |                           |                          |
|------------------------------------------------------------------------|----------------|----------------|---------------------------|--------------------------|
| State                                                                  | October 2021   | October 2020   | April'2021- October '2021 | April'2020- October 2020 |
| <b>Northern Region</b>                                                 |                |                |                           |                          |
| Chandigarh                                                             | 0.00           | 0.00           | 0.00                      | 0.00                     |
| Delhi                                                                  | 0.00           | 0.00           | 0.00                      | 0.00                     |
| Haryana                                                                | 0.00           | 0.00           | 0.00                      | 0.00                     |
| Himachal Pradesh                                                       | 0.00           | 0.00           | 0.00                      | 0.00                     |
| J & K                                                                  | 0.00           | 0.00           | 0.00                      | 0.00                     |
| Ladakh                                                                 | 0.00           | 0.00           | 0.00                      | 0.00                     |
| Punjab                                                                 | 0.00           | 0.00           | 0.00                      | 0.00                     |
| Rajasthan                                                              | 356.17         | 264.17         | 4875.26                   | 3897.39                  |
| Uttar Pradesh                                                          | 0.00           | 0.00           | 0.00                      | 0.00                     |
| Uttarakhand                                                            | 0.00           | 0.00           | 0.00                      | 0.00                     |
| <b>Northern Region Total</b>                                           | <b>356.17</b>  | <b>264.17</b>  | <b>4875.26</b>            | <b>3897.39</b>           |
| <b>Western Region</b>                                                  |                |                |                           |                          |
| Chhattisgarh                                                           | 0.00           | 0.00           | 0.00                      | 0.00                     |
| Gujarat                                                                | 712.19         | 600.47         | 11686.43                  | 7924.69                  |
| Madhya Pradesh                                                         | 144.54         | 215.27         | 3004.34                   | 2690.04                  |
| Maharashtra                                                            | 276.16         | 259.95         | 5522.51                   | 4798.64                  |
| Dadra and Nagar Haveli                                                 | 0.00           | 0.00           | 0.00                      | 0.00                     |
| Daman & Diu                                                            | 0.00           | 0.00           | 0.00                      | 0.00                     |
| Goa                                                                    | 0.00           | 0.00           | 0.00                      | 0.00                     |
| <b>Western Region Total</b>                                            | <b>1132.89</b> | <b>1075.68</b> | <b>20213.28</b>           | <b>15413.37</b>          |
| <b>Southern Region</b>                                                 |                |                |                           |                          |
| Andhra Pradesh                                                         | 195.38         | 370.26         | 5505.31                   | 4683.47                  |
| Telangana                                                              | 12.00          | 13.29          | 176.99                    | 135.88                   |
| Karnataka                                                              | 366.59         | 505.11         | 7127.56                   | 6476.86                  |
| Kerala                                                                 | 7.64           | 13.72          | 100.11                    | 96.35                    |
| Tamil Nadu                                                             | 907.25         | 1747.69        | 13274.24                  | 12357.73                 |
| Lakshadweep                                                            | 0.00           | 0.00           | 0.00                      | 0.00                     |
| Puducherry                                                             | 0.00           | 0.00           | 0.00                      | 0.00                     |
| <b>Southern Region Total</b>                                           | <b>1488.87</b> | <b>2650.07</b> | <b>26184.20</b>           | <b>23750.29</b>          |
| <b>Eastern Region</b>                                                  |                |                |                           |                          |
| Andaman Nicobar                                                        | 0.00           | 0.00           | 0.00                      | 0.00                     |
| Bihar                                                                  | 0.00           | 0.00           | 0.00                      | 0.00                     |
| Jharkhand                                                              | 0.00           | 0.00           | 0.00                      | 0.00                     |
| Orissa                                                                 | 0.00           | 0.00           | 0.00                      | 0.00                     |
| Sikkim                                                                 | 0.00           | 0.00           | 0.00                      | 0.00                     |
| West Bengal                                                            | 0.00           | 0.00           | 0.00                      | 0.00                     |
| <b>Eastern Region Total</b>                                            | <b>0.00</b>    | <b>0.00</b>    | <b>0.00</b>               | <b>0.00</b>              |
| <b>North Eastern Region</b>                                            |                |                |                           |                          |
| Arunachal Pradesh                                                      | 0.00           | 0.00           | 0.00                      | 0.00                     |
| Assam                                                                  | 0.00           | 0.00           | 0.00                      | 0.00                     |

## Renewable Energy Generation (State Wise) for the month of October 2021

| State                      | October 2021 | October 2020 | April'2021- October '2021 | April'2020- October 2020 |
|----------------------------|--------------|--------------|---------------------------|--------------------------|
| Manipur                    | 0.00         | 0.00         | 0.00                      | 0.00                     |
| Meghalaya                  | 0.00         | 0.00         | 0.00                      | 0.00                     |
| Mizoram                    | 0.00         | 0.00         | 0.00                      | 0.00                     |
| Nagaland                   | 0.00         | 0.00         | 0.00                      | 1.00                     |
| Tripura                    | 0.00         | 0.00         | 0.00                      | 0.00                     |
| North Eastern Region Total | 0.00         | 0.00         | 0.00                      | 0.00                     |
| All India Total            | 2977.93      | 3989.92      | 51272.75                  | 43061.05                 |



*Figure 13 :Monthly Wind Power Generation (2021-22 Up to October -21)*

Table 4 State Wise Solar Power Generation

| Solar Energy Generation (State Wise) for the month of October 2021 |                |                |                           |                          |
|--------------------------------------------------------------------|----------------|----------------|---------------------------|--------------------------|
| State                                                              | October '2021  | October ' 2020 | April'2021- October '2021 | April'2020- October 2020 |
| <b>Northern Region</b>                                             |                |                |                           |                          |
| Chandigarh                                                         | 2.04           | 0.29           | 9.32                      | 5.99                     |
| Delhi                                                              | 20.04          | 17.32          | 125.64                    | 121.34                   |
| Haryana                                                            | 53.04          | 8.90           | 286.14                    | 48.95                    |
| Himachal Pradesh                                                   | 3.25           | 3.14           | 25.60                     | 21.04                    |
| J & K                                                              | 0.00           | 0.00           | 1.71                      | 2.94                     |
| Ladakh                                                             | 0.00           | 0.00           | 0.00                      | 0.00                     |
| Punjab                                                             | 125.01         | 122.08         | 906.41                    | 891.09                   |
| Rajasthan                                                          | 1555.77        | 886.46         | 8309.31                   | 6167.99                  |
| Uttar Pradesh                                                      | 276.35         | 148.13         | 1665.58                   | 987.86                   |
| Uttarakhand                                                        | 24.63          | 25.63          | 172.41                    | 212.02                   |
| <b>Northern Region Total</b>                                       | <b>2060.13</b> | <b>1211.95</b> | <b>11502.13</b>           | <b>8459.22</b>           |
| <b>Western Region</b>                                              |                |                | 0.00                      |                          |
| Chhattisgarh                                                       | 43.40          | 29.86          | 234.37                    | 201.57                   |
| Gujarat                                                            | 569.86         | 355.86         | 3522.20                   | 2424.87                  |
| Madhya Pradesh                                                     | 371.39         | 342.68         | 2343.30                   | 2427.87                  |
| Maharashtra                                                        | 279.64         | 194.65         | 1850.92                   | 1411.38                  |
| Dadra and Nagar Haveli                                             | 4.61           | 0.38           | 25.16                     | 3.24                     |
| Daman & Diu                                                        | 2.35           | 2.42           | 19.35                     | 14.19                    |
| Goa                                                                | 0.10           | 0.12           | 0.74                      | 0.78                     |
| <b>Western Region Total</b>                                        | <b>1271.35</b> | <b>925.97</b>  | <b>7996.03</b>            | <b>6483.91</b>           |
| <b>Southern Region</b>                                             |                |                | 0.00                      |                          |
| Andhra Pradesh                                                     | 632.52         | 511.40         | 4602.11                   | 3803.31                  |
| Telangana                                                          | 570.74         | 441.57         | 3711.63                   | 3488.25                  |
| Karnataka                                                          | 1022.38        | 1152.08        | 7543.92                   | 7621.13                  |
| Kerala                                                             | 39.24          | 31.61          | 268.36                    | 141.38                   |
| Tamil Nadu                                                         | 542.54         | 539.90         | 4191.20                   | 3587.86                  |
| Lakshadweep                                                        | 0.01           | 0.05           | 0.16                      | 0.29                     |
| Puducherry                                                         | 1.02           | 0.37           | 7.14                      | 2.59                     |
| <b>Southern Region Total</b>                                       | <b>2808.44</b> | <b>2676.97</b> | <b>20324.52</b>           | <b>18644.81</b>          |
| <b>Eastern Region</b>                                              |                |                | 0.00                      |                          |
| Andaman Nicobar                                                    | 1.86           | 1.41           | 11.59                     | 14.61                    |
| Bihar                                                              | 14.18          | 12.53          | 93.93                     | 101.90                   |
| Jharkhand                                                          | 1.30           | 1.75           | 10.22                     | 9.34                     |
| Orissa                                                             | 52.52          | 38.27          | 334.84                    | 243.51                   |
| Sikkim                                                             | 0.00           | 0.00           | 0.00                      | 0.00                     |
| West Bengal                                                        | 7.50           | 5.64           | 56.60                     | 37.22                    |
| <b>Eastern Region Total</b>                                        | <b>77.36</b>   | <b>59.59</b>   | <b>507.18</b>             | <b>406.60</b>            |
| <b>North Eastern Region</b>                                        |                |                | 0.00                      |                          |
| Arunachal Pradesh                                                  | 0.13           | 0.12           | 1.01                      | 0.88                     |
| Assam                                                              | 7.45           | 0.56           | 38.21                     | 3.02                     |

|                                   |                |                |                 |                 |
|-----------------------------------|----------------|----------------|-----------------|-----------------|
| <b>Manipur</b>                    | 0.49           | 0.48           | 3.91            | 3.92            |
| <b>Meghalaya</b>                  | 0.00           | 0.00           | 0.00            | 0.00            |
| <b>Mizoram</b>                    | 0.09           | 0.02           | 1.25            | 0.16            |
| <b>Nagaland</b>                   | 0.00           | 0.00           | 0.00            | 0.00            |
| <b>Tripura</b>                    | 0.46           | 0.34           | 3.33            | 3.39            |
| <b>North Eastern Region Total</b> | 8.60           | 1.52           | 47.71           | 11.38           |
| <b>All India Total</b>            | <b>6225.88</b> | <b>4876.00</b> | <b>40377.57</b> | <b>34005.91</b> |

## Solar Power Generation in MU

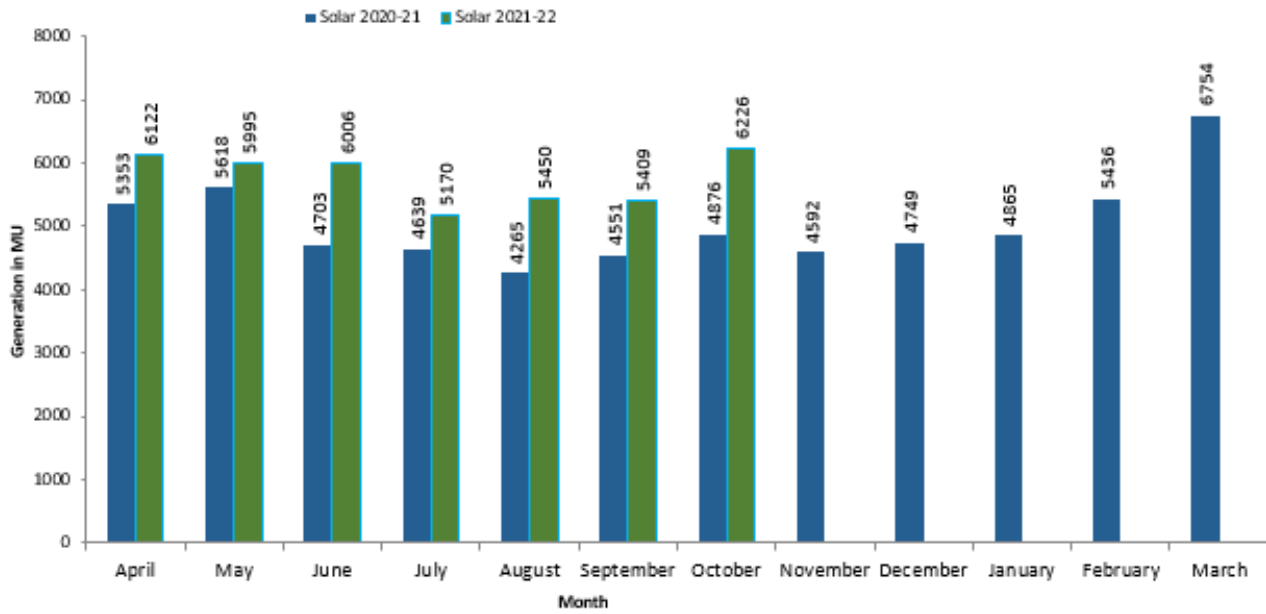


Figure 14: Monthly Solar Power Generation (2021-22 Up to October -21)

Table 5 State Wise Biomass Power Generation

| Biomass Energy Generation (State Wise) for the month of October 2021 |               |                |                           |                          |
|----------------------------------------------------------------------|---------------|----------------|---------------------------|--------------------------|
| State                                                                | October '2021 | October ' 2020 | April'2021- October '2021 | April'2020- October 2020 |
| <b>Northern Region</b>                                               |               |                |                           |                          |
| Chandigarh                                                           | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Delhi                                                                | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Haryana                                                              | 12.46         | 16.89          | 97.74                     | 100.57                   |
| Himachal Pradesh                                                     | 0.00          | 0.00           | 0.00                      | 0.00                     |
| J & K                                                                | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Ladakh                                                               | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Punjab                                                               | 49.21         | 55.74          | 319.14                    | 327.76                   |
| Rajasthan                                                            | 24.10         | 32.77          | 222.32                    | 240.43                   |
| Uttar Pradesh                                                        | 6.54          | 0.07           | 52.10                     | 51.59                    |
| Uttarakhand                                                          | 0.00          | 0.00           | 0.00                      | 0.00                     |
| <b>Northern Region Total</b>                                         | <b>92.31</b>  | <b>105.48</b>  | <b>691.30</b>             | <b>720.34</b>            |
| <b>Western Region</b>                                                |               |                |                           |                          |
| Chhattisgarh                                                         | 75.66         | 68.47          | 728.14                    | 537.60                   |
| Gujarat                                                              | 0.00          | 0.00           | 0.00                      | 43.13                    |
| Madhya Pradesh                                                       | 1.73          | 0.09           | 2.62                      | 0.24                     |
| Maharashtra                                                          | 21.58         | 30.27          | 189.45                    | 191.91                   |
| Dadra and Nagar Haveli                                               | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Daman & Diu                                                          | 1.08          | 1.23           | 6.82                      | 4.87                     |
| Goa                                                                  | 0.00          | 0.00           | 0.00                      | 0.00                     |
| <b>Western Region Total</b>                                          | <b>100.06</b> | <b>100.06</b>  | <b>927.03</b>             | <b>777.75</b>            |
| <b>Southern Region</b>                                               |               |                |                           |                          |
| Andhra Pradesh                                                       | 8.95          | 11.21          | 67.13                     | 77.54                    |
| Telangana                                                            | 8.06          | 12.49          | 68.93                     | 95.70                    |
| Karnataka                                                            | 15.18         | 18.86          | 117.56                    | 118.76                   |
| Kerala                                                               | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Tamil Nadu                                                           | 3.50          | 16.91          | 67.13                     | 85.21                    |
| Lakshadweep                                                          | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Puducherry                                                           | 0.00          | 0.00           | 0.00                      | 0.00                     |
| <b>Southern Region Total</b>                                         | <b>35.69</b>  | <b>59.47</b>   | <b>320.75</b>             | <b>377.21</b>            |
| <b>Eastern Region</b>                                                |               |                |                           |                          |
| Andaman Nicobar                                                      | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Bihar                                                                | 0.00          | 1.66           | 2.14                      | 11.08                    |
| Jharkhand                                                            | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Orissa                                                               | 6.11          | 0.00           | 57.37                     | 24.10                    |
| Sikkim                                                               | 0.00          | 0.00           | 0.00                      | 0.00                     |
| West Bengal                                                          | 0.00          | 0.00           | 0.00                      | 0.00                     |
| <b>Eastern Region Total</b>                                          | <b>6.11</b>   | <b>1.66</b>    | <b>59.51</b>              | <b>35.18</b>             |
| <b>North Eastern Region</b>                                          |               |                |                           |                          |
| Arunachal Pradesh                                                    | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Assam                                                                | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Manipur                                                              | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Meghalaya                                                            | 0.00          | 0.00           | 0.00                      | 0.00                     |

| Biomass Energy Generation (State Wise) for the month of October 2021 |               |                |                           |                          |
|----------------------------------------------------------------------|---------------|----------------|---------------------------|--------------------------|
| State                                                                | October '2021 | October ' 2020 | April'2021- October '2021 | April'2020- October 2020 |
| Mizoram                                                              | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Nagaland                                                             | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Tripura                                                              | 0.00          | 0.00           | 0.00                      | 0.00                     |
| North Eastern Region Total                                           | 0.00          | 0.00           | 0.00                      | 0.00                     |
| All India Total                                                      | 234.16        | 266.67         | 1998.59                   | 1910.49                  |

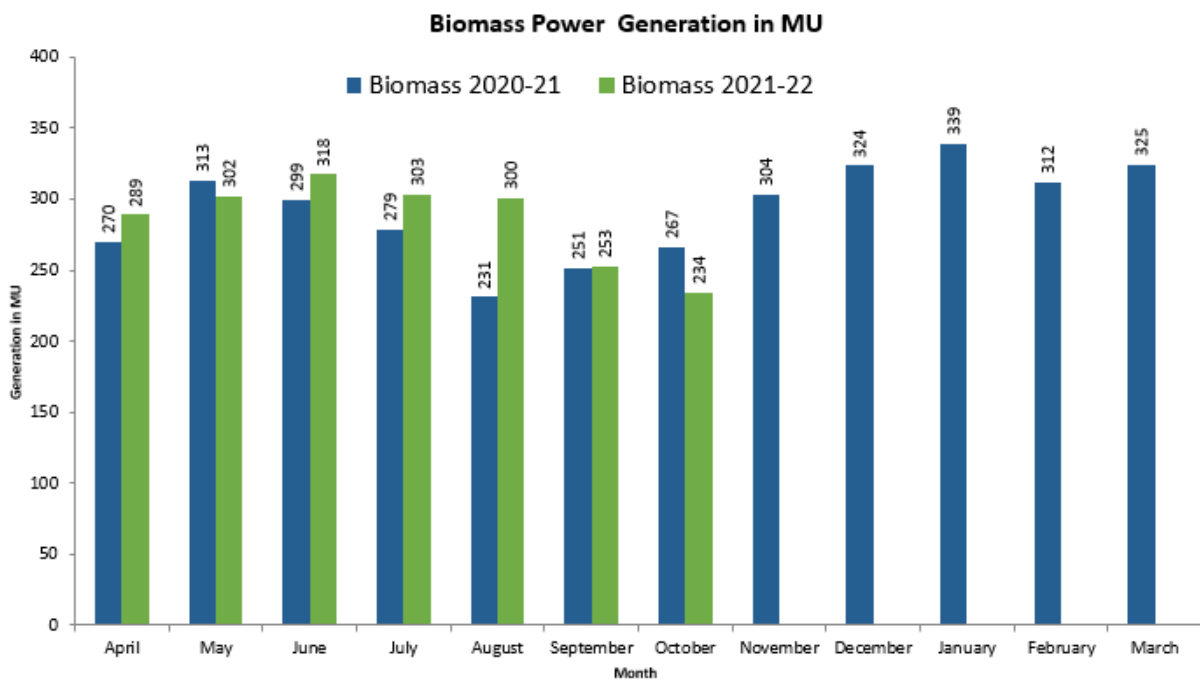


Figure 15: Monthly Biomass Power Generation (2021-22 Up to October -21)

Table 6 State Wise Bagasse Power Generation

| Bagasse Energy Generation (State Wise) for the month of October 2021 |               |                |                           |                          |
|----------------------------------------------------------------------|---------------|----------------|---------------------------|--------------------------|
| State                                                                | October '2021 | October ' 2020 | April'2021- October '2021 | April'2020- October 2020 |
| <b>Northern Region</b>                                               |               |                |                           |                          |
| Chandigarh                                                           | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Delhi                                                                | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Haryana                                                              | 0.00          | 3.74           | 14.75                     | 50.48                    |
| Himachal Pradesh                                                     | 0.00          | 0.00           | 0.00                      | 0.00                     |
| J & K                                                                | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Ladakh                                                               | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Punjab                                                               | 0.24          | 3.08           | 36.96                     | 34.90                    |
| Rajasthan                                                            | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Uttar Pradesh                                                        | 6.02          | 48.60          | 586.97                    | 984.18                   |
| Uttarakhand                                                          | 20.26         | 0.00           | 141.82                    | 29.23                    |
| <b>Northern Region Total</b>                                         | <b>26.52</b>  | <b>55.42</b>   | <b>780.50</b>             | <b>1098.79</b>           |
| <b>Western Region</b>                                                |               |                |                           |                          |
| Chhattisgarh                                                         | 0.00          | 0.00           | 0.00                      | 5.08                     |
| Gujarat                                                              | 1.79          | 0.72           | 3.83                      | 3.11                     |
| Madhya Pradesh                                                       | 0.00          | 0.00           | 2.86                      | 0.00                     |
| Maharashtra                                                          | 102.03        | 66.08          | 669.36                    | 428.59                   |
| Dadra and Nagar Haveli                                               | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Daman & Diu                                                          | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Goa                                                                  | 0.00          | 0.00           | 0.00                      | 0.00                     |
| <b>Western Region Total</b>                                          | <b>103.82</b> | <b>66.80</b>   | <b>676.06</b>             | <b>436.78</b>            |
| <b>Southern Region</b>                                               |               |                |                           |                          |
| Andhra Pradesh                                                       | 3.77          | 4.11           | 22.04                     | 17.74                    |
| Telangana                                                            | 2.60          | 0.00           | 2.60                      | 0.10                     |
| Karnataka                                                            | 163.38        | 145.75         | 965.91                    | 517.99                   |
| Kerala                                                               | 4.13          | 4.08           | 28.25                     | 26.43                    |
| Tamil Nadu                                                           | 33.21         | 16.16          | 283.96                    | 287.55                   |
| Lakshadweep                                                          | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Puducherry                                                           | 0.00          | 0.00           | 0.00                      | 0.00                     |
| <b>Southern Region Total</b>                                         | <b>207.09</b> | <b>170.10</b>  | <b>1302.75</b>            | <b>849.81</b>            |
| <b>Eastern Region</b>                                                |               |                |                           |                          |
| Andaman Nicobar                                                      | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Bihar                                                                | 0.00          | 0.00           | 0.00                      | 1.48                     |
| Jharkhand                                                            | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Orissa                                                               | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Sikkim                                                               | 0.00          | 0.00           | 0.00                      | 0.00                     |
| West Bengal                                                          | 0.00          | 0.00           | 0.00                      | 148.73                   |
| <b>Eastern Region Total</b>                                          | <b>0.00</b>   | <b>0.00</b>    | <b>0.00</b>               | <b>150.21</b>            |
| <b>North Eastern Region</b>                                          |               |                |                           |                          |
| Arunachal Pradesh                                                    | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Assam                                                                | 0.00          | 0.00           | 0.00                      | 1.48                     |
| Manipur                                                              | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Meghalaya                                                            | 0.00          | 0.00           | 0.00                      | 0.00                     |

|                                   |               |               |                |                |
|-----------------------------------|---------------|---------------|----------------|----------------|
| <b>Mizoram</b>                    | 0.00          | 0.00          | 0.00           | 0.00           |
| <b>Nagaland</b>                   | 0.00          | 0.00          | 0.00           | 148.73         |
| <b>Tripura</b>                    | 0.00          | 0.00          | 0.00           | 0.00           |
| <b>North Eastern Region Total</b> | 0.00          | 0.00          | 0.00           | 0.00           |
| <b>All India Total</b>            | <b>337.44</b> | <b>292.32</b> | <b>2759.30</b> | <b>2535.60</b> |

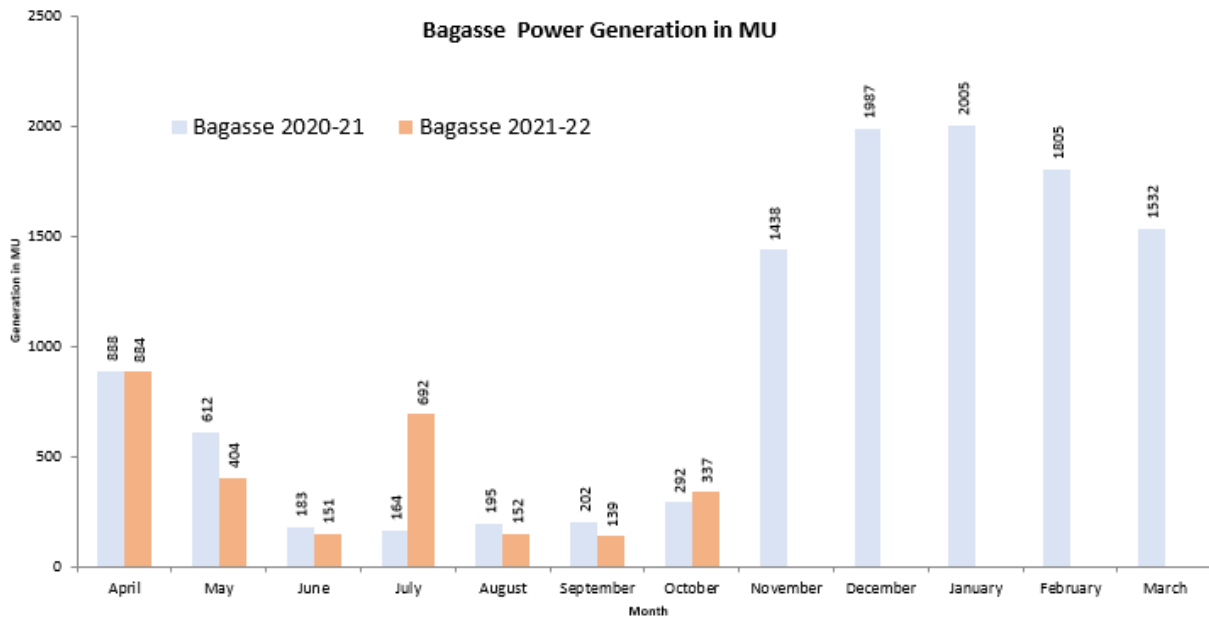


Figure 16 : Monthly Bagasse Power Generation (2021-22 Up to October -21)

Table 7 State Wise Small Hydro Generation

| Small Hydro Energy Generation (State Wise) for the month of October 2021 |               |                |                           |                          |
|--------------------------------------------------------------------------|---------------|----------------|---------------------------|--------------------------|
| State                                                                    | October '2021 | October ' 2020 | April'2021- October '2021 | April'2020- October 2020 |
| <b>Northern Region</b>                                                   |               |                |                           |                          |
| Chandigarh                                                               | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Delhi                                                                    | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Haryana                                                                  | 35.42         | 25.14          | 163.83                    | 206.16                   |
| Himachal Pradesh                                                         | 285.96        | 183.51         | 1528.65                   | 1808.60                  |
| J & K                                                                    | 31.40         | 24.50          | 310.80                    | 333.81                   |
| Ladakh                                                                   | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Punjab                                                                   | 34.75         | 59.10          | 818.75                    | 485.64                   |
| Rajasthan                                                                | 0.12          | 0.18           | 0.45                      | 1.37                     |
| Uttar Pradesh                                                            | 18.79         | 22.16          | 93.97                     | 82.31                    |
| Uttarakhand                                                              | 26.78         | 84.22          | 187.46                    | 566.40                   |
| <b>Northern Region Total</b>                                             | <b>433.23</b> | <b>398.81</b>  | <b>3103.91</b>            | <b>3484.29</b>           |
| <b>Western Region</b>                                                    |               |                |                           |                          |
| Chhattisgarh                                                             | 25.17         | 20.83          | 148.01                    | 105.85                   |
| Gujarat                                                                  | 16.89         | 23.87          | 87.79                     | 111.67                   |
| Madhya Pradesh                                                           | 21.72         | 27.30          | 125.50                    | 162.09                   |
| Maharashtra                                                              | 68.55         | 70.17          | 502.60                    | 490.18                   |
| Dadra and Nagar Haveli                                                   | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Daman & Diu                                                              | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Goa                                                                      | 0.00          | 0.00           | 0.00                      | 0.00                     |
| <b>Western Region Total</b>                                              | <b>132.33</b> | <b>142.17</b>  | <b>863.90</b>             | <b>869.80</b>            |
| <b>Southern Region</b>                                                   |               |                |                           |                          |
| Andhra Pradesh                                                           | 48.29         | 42.63          | 188.09                    | 147.12                   |
| Telangana                                                                | 20.45         | 7.43           | 54.89                     | 30.82                    |
| Karnataka                                                                | 394.76        | 386.77         | 1719.52                   | 1576.15                  |
| Kerala                                                                   | 108.32        | 86.20          | 591.65                    | 451.35                   |
| Tamil Nadu                                                               | 31.32         | 26.78          | 171.10                    | 117.24                   |
| Lakshadweep                                                              | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Puducherry                                                               | 0.00          | 0.00           | 0.00                      | 0.00                     |
| <b>Southern Region Total</b>                                             | <b>603.14</b> | <b>549.80</b>  | <b>2725.25</b>            | <b>2322.68</b>           |
| <b>Eastern Region</b>                                                    |               |                |                           |                          |
| Andaman Nicobar                                                          | 1.65          | 1.74           | 8.25                      | 9.92                     |
| Bihar                                                                    | 0.00          | 0.00           | 4.16                      | 43.20                    |
| Jharkhand                                                                | 0.00          | 1.04           | 0.27                      | 3.64                     |
| Orissa                                                                   | 57.26         | 53.94          | 278.89                    | 246.76                   |
| Sikkim                                                                   | 1.03          | 5.41           | 7.21                      | 33.30                    |
| West Bengal                                                              | 23.71         | 21.99          | 119.31                    | 79.96                    |
| <b>Eastern Region Total</b>                                              | <b>83.66</b>  | <b>84.13</b>   | <b>418.08</b>             | <b>416.78</b>            |
| <b>North Eastern Region</b>                                              |               |                |                           |                          |
| Arunachal Pradesh                                                        | 0.04          | 0.05           | 0.18                      | 0.31                     |
| Assam                                                                    | 3.08          | 2.62           | 25.71                     | 20.02                    |
| Manipur                                                                  | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Meghalaya                                                                | 4.26          | 10.68          | 26.01                     | 28.86                    |

|                                   |         |         |         |         |
|-----------------------------------|---------|---------|---------|---------|
| <b>Mizoram</b>                    | 3.15    | 5.04    | 11.09   | 24.94   |
| <b>Nagaland</b>                   | 12.37   | 7.23    | 43.26   | 43.99   |
| <b>Tripura</b>                    | 0.00    | 0.00    | 1.44    | 1.94    |
| <b>North Eastern Region Total</b> | 22.91   | 25.62   | 107.70  | 120.06  |
| <b>All India Total</b>            | 1275.26 | 1200.53 | 7218.84 | 7213.60 |

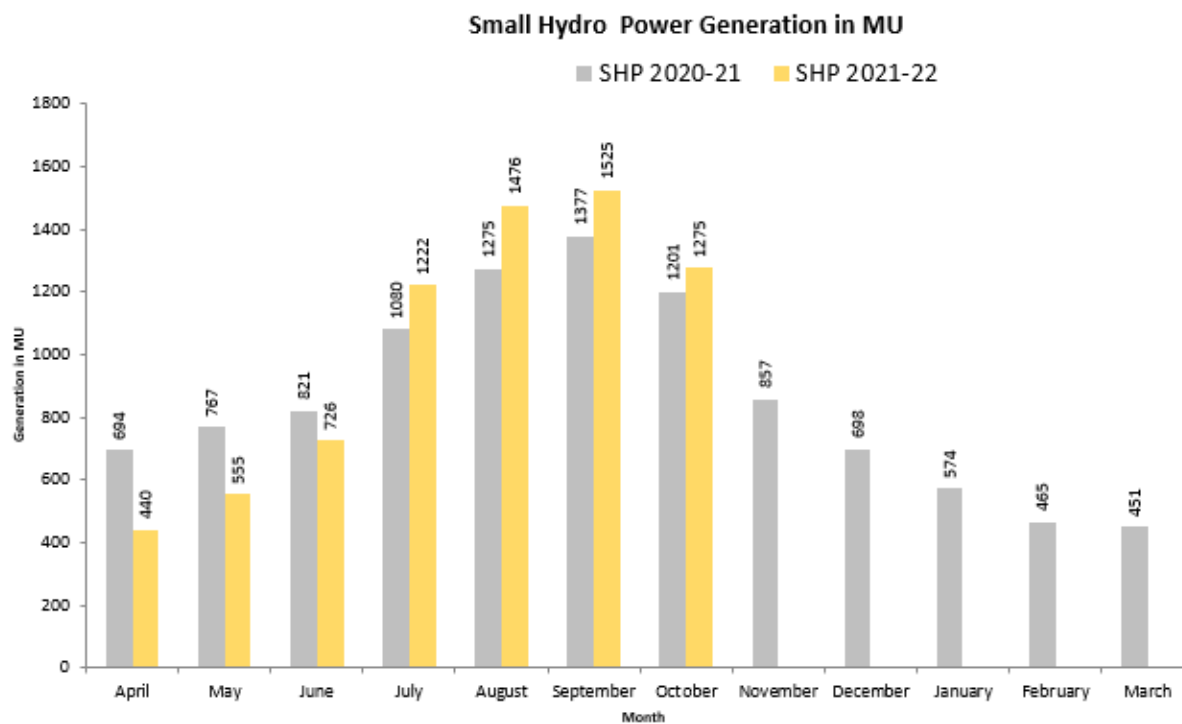
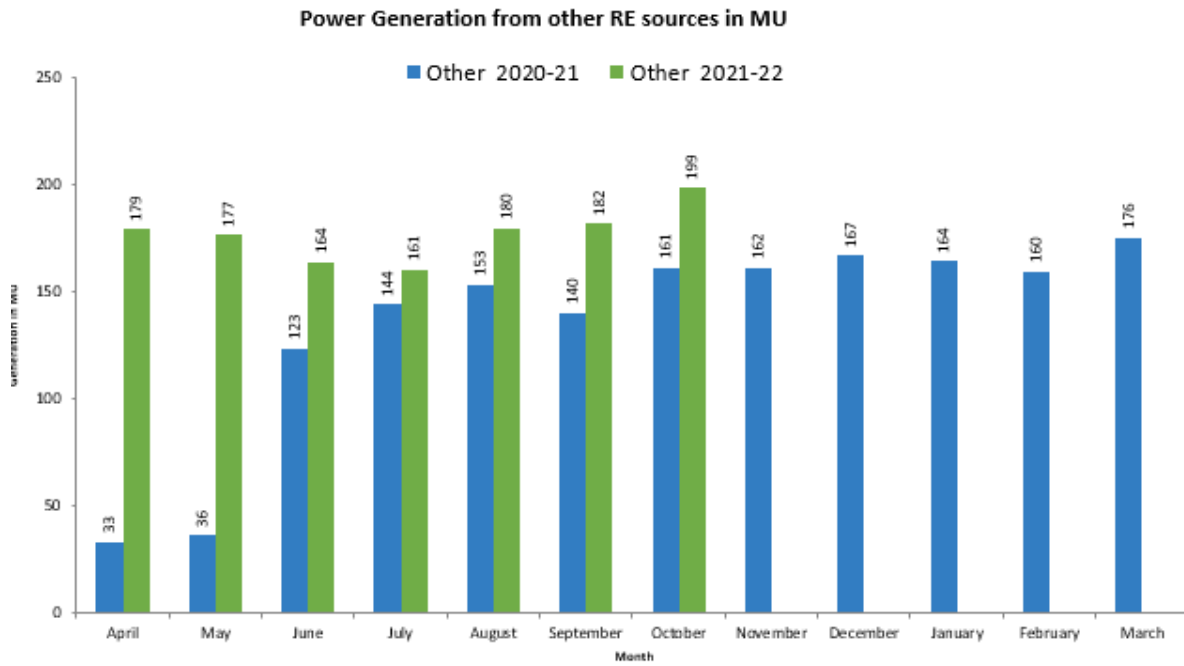


Figure 17: Monthly Small Hydro Power Generation (2021-22 Up to October -21)

Table 8 State Wise Other RE sources ( Waste Heat etc) Power Generation

| Other RE sources Energy Generation (State Wise) for the month of October 2021 |               |                |                           |                          |
|-------------------------------------------------------------------------------|---------------|----------------|---------------------------|--------------------------|
| State                                                                         | October '2021 | October ' 2020 | April'2021- October '2021 | April'2020- October 2020 |
| <b>Northern Region</b>                                                        |               |                |                           |                          |
| Chandigarh                                                                    | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Delhi                                                                         | 23.77         | 18.36          | 134.64                    | 147.75                   |
| Haryana                                                                       | 4.11          | 0.00           | 4.11                      | 0.00                     |
| Himachal Pradesh                                                              | 0.00          | 0.00           | 0.00                      | 0.00                     |
| J & K                                                                         | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Ladakh                                                                        | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Punjab                                                                        | 0.00          | 0.00           | 0.22                      | 0.01                     |
| Rajasthan                                                                     | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Uttar Pradesh                                                                 | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Uttarakhand                                                                   | 0.00          | 0.00           | 0.00                      | 0.00                     |
| <b>Northern Region Total</b>                                                  | <b>27.88</b>  | <b>18.36</b>   | <b>138.97</b>             | <b>147.76</b>            |
| <b>Western Region</b>                                                         |               |                |                           |                          |
| Chhattisgarh                                                                  | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Gujarat                                                                       | 0.00          | 0.00           | 0.00                      | 10.61                    |
| Madhya Pradesh                                                                | 2.68          | 3.32           | 18.13                     | 19.53                    |
| Maharashtra                                                                   | 0.00          | 0.00           | 0.05                      | 0.05                     |
| Dadra and Nagar Haveli                                                        | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Daman & Diu                                                                   | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Goa                                                                           | 0.00          | 0.00           | 0.00                      | 0.00                     |
| <b>Western Region Total</b>                                                   | <b>2.68</b>   | <b>3.32</b>    | <b>18.17</b>              | <b>30.18</b>             |
| <b>Southern Region</b>                                                        |               |                |                           |                          |
| Andhra Pradesh                                                                | 8.25          | 7.08           | 48.64                     | 23.33                    |
| Telangana                                                                     | 19.01         | 5.84           | 147.93                    | 43.52                    |
| Karnataka                                                                     | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Kerala                                                                        | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Tamil Nadu                                                                    | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Lakshadweep                                                                   | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Puducherry                                                                    | 0.00          | 0.00           | 0.00                      | 0.00                     |
| <b>Southern Region Total</b>                                                  | <b>27.26</b>  | <b>12.92</b>   | <b>196.58</b>             | <b>66.85</b>             |
| <b>Eastern Region</b>                                                         |               |                |                           |                          |
| Andaman Nicobar                                                               | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Bihar                                                                         | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Jharkhand                                                                     | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Orissa                                                                        | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Sikkim                                                                        | 0.00          | 0.00           | 0.00                      | 0.00                     |
| West Bengal                                                                   | 140.83        | 126.77         | 887.24                    | 547.71                   |
| <b>Eastern Region Total</b>                                                   | <b>140.83</b> | <b>126.77</b>  | <b>887.24</b>             | <b>547.71</b>            |
| <b>North Eastern Region</b>                                                   |               |                |                           |                          |
| Arunachal Pradesh                                                             | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Assam                                                                         | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Manipur                                                                       | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Meghalaya                                                                     | 0.00          | 0.00           | 0.00                      | 0.00                     |
| Mizoram                                                                       | 0.00          | 0.00           | 0.00                      | 0.00                     |

|                                   |        |        |         |        |
|-----------------------------------|--------|--------|---------|--------|
| <b>Nagaland</b>                   | 0.00   | 0.00   | 0.00    | 0.00   |
| <b>Tripura</b>                    | 0.00   | 0.00   | 0.00    | 0.00   |
| <b>North Eastern Region Total</b> | 0.00   | 0.00   | 0.00    | 0.00   |
| <b>All India Total</b>            | 198.65 | 161.38 | 1240.96 | 792.50 |



*Figure 18 Monthly Other RE ( Waste Heat etc) Power Generation (2021-22 Up to October -21)*

Table 9: Renewable Energy Generation by ISGS Stations

| Monthly RE generation from Inter State Generating Station ( ISGS ) for October 2021 |                  |                                           |       |       |                   |                     |                    |
|-------------------------------------------------------------------------------------|------------------|-------------------------------------------|-------|-------|-------------------|---------------------|--------------------|
| Station                                                                             | State/<br>Region | Sector<br>(Central<br>/State<br>/Private) | Owner | Type  | Capacity<br>( MW) | Generation<br>( MU) | Monthly CUF<br>(%) |
| Auraiya*                                                                            | Uttar Pradesh    | Central                                   | NTPC  | Solar | 20                | 2.94                | 19.77              |
| Dadri Solar *                                                                       | Uttar Pradesh    | Central                                   | NTPC  | Solar | 5                 | 0.58                | 15.63              |
| Singrauli Solar*                                                                    | Uttar Pradesh    | Central                                   | NTPC  | Solar | 15                | 1.64                | 14.72              |
| Unchahar Solar*                                                                     | Uttar Pradesh    | Central                                   | NTPC  | Solar | 10                | 1.14                | 15.34              |
| KILAJ Solar(Maharashtra)<br>Pvt Ltd.                                                | Rajasthan        | Private                                   | IPP   | Solar | 50                | 11.05               | 29.69              |
| Mahindra Renewable Pvt<br>Ltd                                                       | Rajasthan        | Private                                   | IPP   | Solar | 250               | 54.70               | 29.41              |
| Mahoba Solar (UP) Pvt<br>Ltd                                                        | Rajasthan        | Private                                   | IPP   | Solar | 200               | 43.76               | 29.41              |
| Azure Forty Three Pvt Ltd                                                           | Rajasthan        | Private                                   | IPP   | Solar | 500               | 98.47               | 26.47              |
| ACME Chittorgarh Energy<br>Pvt Ltd                                                  | Rajasthan        | Private                                   | IPP   | Solar | 250               | 52.35               | 28.14              |
| Azure Power India Pvt Ltd                                                           | Rajasthan        | Private                                   | IPP   | Solar | 200               | 39.40               | 26.48              |
| Azure Power Thirty Four<br>Pvt Ltd                                                  | Rajasthan        | Private                                   | IPP   | Solar | 130               | 29.43               | 30.43              |
| M/S Adani Solar Energy<br>Jodhpur Two Pvt Ltd                                       | Rajasthan        | Private                                   | IPP   | Solar | 50                | 11.54               | 31.03              |
| Clean Solar Power<br>(Bhadla) Pvt Ltd                                               | Rajasthan        | Private                                   | IPP   | Solar | 300               | 62.13               | 27.84              |
| Eden Renewable Cite Pvt<br>Ltd                                                      | Rajasthan        | Central                                   | IPP   | Solar | 300               | 62.68               | 28.08              |
| Renew Jharkhand                                                                     | Rajasthan        | Central                                   | IPP   | Solar | 250               | 48.37               | 26.01              |
| Renew Solar Power Pvt<br>Ltd                                                        | Rajasthan        | Private                                   | IPP   | Solar | 50                | 11.06               | 29.74              |
| Renew Sun Waves Pvt Ltd                                                             | Rajasthan        | Central                                   | IPP   | Solar | 300               | 59.56               | 26.69              |
| Renew Solar Power Pvt<br>Ltd . Bikaner                                              | Rajasthan        | Private                                   | IPP   | Solar | 250               | 53.48               | 28.75              |
| SB Energy Four Pvt Ltd                                                              | Rajasthan        | Private                                   | IPP   | Solar | 200               | 43.42               | 29.18              |
| SB Energy Six Pvt Ltd                                                               | Rajasthan        | Private                                   | IPP   | Solar | 300               | 67.24               | 30.12              |
| SBSR Power Cleantech<br>Eleven Pvt Ltd                                              | Rajasthan        | Central                                   | IPP   | Solar | 50                | 13.06               | 35.11              |
| TATA Power Renewable<br>Energy Pvt Ltd                                              | Rajasthan        | Private                                   | IPP   | Solar | 300               | 58.51               | 26.21              |
| Adani Hybrid Energy<br>jaisalmer One Ltd Solar                                      | Rajasthan        | Central                                   | IPP   | Solar | 300               | 78.61               | 35.22              |

| Monthly RE generation from Inter State Generating Station ( ISGS ) for October 2021 |                   |                                           |       |       |                   |                     |                    |
|-------------------------------------------------------------------------------------|-------------------|-------------------------------------------|-------|-------|-------------------|---------------------|--------------------|
| Station                                                                             | State/<br>Region  | Sector<br>(Central<br>/State<br>/Private) | Owner | Type  | Capacity<br>( MW) | Generation<br>( MU) | Monthly CUF<br>(%) |
| Adani Hybrid Energy<br>jaisalmer two Ltd Solar                                      | Rajasthan         | Central                                   | IPP   | Solar | 100               | 8.49                | 11.42              |
| Adani Hybrid Energy<br>jaisalmer three Ltd Solar                                    | Rajasthan         | Central                                   | IPP   | Solar | 100               | 9.88                | 13.28              |
| Northern Region                                                                     |                   |                                           |       |       | <b>3980</b>       | <b>923.52</b>       |                    |
| Acme Solar (Ram Nagar)                                                              | Madhya<br>Pradesh | Private                                   | IPP   | Solar | 250               | 45.50               | 24.46              |
| Arinsun Solar<br>(Barsaitadesh)                                                     | Madhya<br>Pradesh | Private                                   | IPP   | Solar | 250               | 45.48               | 24.45              |
| Mahindra Solar (Badwar)                                                             | Madhya<br>Pradesh | Private                                   | IPP   | Solar | 250               | 45.85               | 24.65              |
| Renew Solar (Bhuvad)                                                                | Gujarat           | Private                                   | IPP   | Solar | 400               | 31.40               | 10.55              |
| Alfanar Wind                                                                        | Gujarat           | Private                                   | IPP   | Wind  | 300               | 32.94               | 14.76              |
| GIWEL-II Wind (Vadva)                                                               | Gujarat           | Private                                   | IPP   | Wind  | 250               | 32.18               | 17.30              |
| GIWEL-III Wind<br>(Naranpar)                                                        | Gujarat           | Private                                   | IPP   | Wind  | 300               | 30.29               | 13.57              |
| Aadni Green Energy MP<br>Ltd (Dayapar)                                              | Gujarat           | Private                                   | IPP   | Wind  | 500               | 63.53               | 17.08              |
| IWISL Wind (Dayapar)                                                                | Gujarat           | Private                                   | IPP   | Wind  | 250               | 21.72               | 11.68              |
| Ostro Wind (Kutch)                                                                  | Gujarat           | Private                                   | IPP   | Wind  | 250               | 32.99               | 17.73              |
| Renew Wind Energy AP2                                                               | Gujarat           | Private                                   | IPP   | Wind  | 300               | 47.96               | 21.49              |
| Western Region **                                                                   |                   |                                           |       |       | <b>3000</b>       | <b>429.83</b>       |                    |
| Betam Tuticorin                                                                     | Tamil Nadu        | Private                                   | IPP   | Wind  | 250               | 38.87               | 21.59              |
| Girel Tuticorin                                                                     | Tamil Nadu        | Private                                   | IPP   | Wind  | 250               | 42.70               | 23.72              |
| Mytrah Tuticorin                                                                    | Tamil Nadu        | Private                                   | IPP   | Wind  | 250               | 30.11               | 16.73              |
| Orange Tuticorin                                                                    | Tamil Nadu        | Private                                   | IPP   | Wind  | 200               | 32.87               | 22.83              |
| Ostro Hiriyyur                                                                      | Tamil Nadu        | Private                                   | IPP   | solar | 84                | 7.88                | 13.02              |
| Spring Pugalur                                                                      | Tamil Nadu        | Private                                   | IPP   | Wind  | 279               | 28.04               | 13.96              |
| Biwadi Npkunta                                                                      | Andhra<br>Pradesh | Private                                   | IPP   | Solar | 50                | 8.36                | 23.23              |
| Hisar Npkunta                                                                       | Andhra<br>Pradesh | Private                                   | IPP   | Solar | 50                | 8.38                | 23.29              |
| Karnal Npkunta                                                                      | Andhra<br>Pradesh | Private                                   | IPP   | Solar | 50                | 8.49                | 23.59              |
| Ayana Npkunta                                                                       | Andhra<br>Pradesh | Private                                   | IPP   | Solar | 250               | 42.98               | 23.88              |

| Monthly RE generation from Inter State Generating Station ( ISGS ) for October 2021 |                  |                                           |       |       |                   |                     |                    |
|-------------------------------------------------------------------------------------|------------------|-------------------------------------------|-------|-------|-------------------|---------------------|--------------------|
| Station                                                                             | State/<br>Region | Sector<br>(Central<br>/State<br>/Private) | Owner | Type  | Capacity<br>( MW) | Generation<br>( MU) | Monthly CUF<br>(%) |
| Azure Npkunta                                                                       | Andhra Pradesh   | Private                                   | IPP   | Solar | 50                | 6.83                | 18.98              |
| FRV2 Npkunta                                                                        | Andhra Pradesh   | Private                                   | IPP   | Solar | 50                | 8.25                | 22.91              |
| FRV Npkunta                                                                         | Andhra Pradesh   | Private                                   | IPP   | Solar | 50                | 7.65                | 21.25              |
| NTPC Npkunta                                                                        | Andhra Pradesh   | Private                                   | IPP   | Solar | 250               | 27.97               | 15.54              |
| SBG Npkunta                                                                         | Andhra Pradesh   | Private                                   | IPP   | Solar | 250               | 42.67               | 23.70              |
| Sprng Agnitra Npkunta                                                               | Andhra Pradesh   | Private                                   | IPP   | Solar | 100               | 42.59               | 24.00              |
| Tata Npkunta                                                                        | Andhra Pradesh   | Private                                   | IPP   | Solar | 250               | 14.94               | 8.30               |
| Acme Kurukshetra Pavagada                                                           | Karnataka        | Private                                   | IPP   | Solar | 50                | 8.20                | 22.78              |
| Acme Rewari pavagada                                                                | Karnataka        | Private                                   | IPP   | Solar | 50                | 8.23                | 22.86              |
| Adyah10 Pavagada                                                                    | Karnataka        | Private                                   | IPP   | Solar | 50                | 8.25                | 22.90              |
| Adyah13 Pavagada                                                                    | Karnataka        | Private                                   | IPP   | Solar | 50                | 8.36                | 23.23              |
| Adyah1 Pavagada                                                                     | Karnataka        | Private                                   | IPP   | Solar | 50                | 8.82                | 24.50              |
| Adyah2 Pavagada                                                                     | Karnataka        | Private                                   | IPP   | Solar | 50                | 8.37                | 23.26              |
| Adyah3 Pavagada                                                                     | Karnataka        | Private                                   | IPP   | Solar | 50                | 8.68                | 24.12              |
| Adyah6 Pavagada                                                                     | Karnataka        | Private                                   | IPP   | Solar | 50                | 8.53                | 23.69              |
| Avaada Pavagada                                                                     | Karnataka        | Private                                   | IPP   | Solar | 150               | 24.63               | 22.80              |
| Avaada Solarise Pavagada                                                            | Karnataka        | Private                                   | IPP   | Solar | 150               | 24.65               | 22.82              |
| Azure Power Pavagada                                                                | Karnataka        | Private                                   | IPP   | Solar | 100               | 17.43               | 24.21              |
| Fortum Finsurya Pavagada                                                            | Karnataka        | Private                                   | IPP   | Solar | 100               | 15.02               | 20.86              |
| Fortum Pavagada                                                                     | Karnataka        | Private                                   | IPP   | Solar | 250               | 41.19               | 22.88              |
| Kredl Pavagada                                                                      | Karnataka        | Private                                   | IPP   | Solar | 50                | 7.60                | 21.10              |
| Parampujya Pavagada                                                                 | Karnataka        | Private                                   | IPP   | Solar | 150               | 23.88               | 22.11              |
| Renew Pavagada                                                                      | Karnataka        | Private                                   | IPP   | Solar | 50                | 7.57                | 21.01              |
| SBG Pavagada                                                                        | Karnataka        | Private                                   | IPP   | Solar | 200               | 34.47               | 23.94              |
| Tata Pavagada                                                                       | Karnataka        | Private                                   | IPP   | Solar | 400               | 65.50               | 22.74              |

| Monthly RE generation from Inter State Generating Station ( ISGS ) for October 2021 |                  |                                           |       |       |                   |                     |                    |
|-------------------------------------------------------------------------------------|------------------|-------------------------------------------|-------|-------|-------------------|---------------------|--------------------|
| Station                                                                             | State/<br>Region | Sector<br>(Central<br>/State<br>/Private) | Owner | Type  | Capacity<br>( MW) | Generation<br>( MU) | Monthly CUF<br>(%) |
| Yarrow Pavagada                                                                     | Karnataka        | Private                                   | IPP   | Solar | 50                | 8.03                | 22.30              |
| Southern Region **                                                                  |                  |                                           |       |       | 3450              | 736.99              |                    |
| All India Total                                                                     |                  |                                           |       |       | 10430             | 2090.34             |                    |

Table 10 Renewable Energy Generation by CPSU Owned stations

| Renewable Energy Generation Data (CPSU Wise) for October 2021 |                 |                         |             |                        |                            |                  |
|---------------------------------------------------------------|-----------------|-------------------------|-------------|------------------------|----------------------------|------------------|
| CPSU                                                          | State           | Installed Capacity (MW) | Source      | Actual Generation (MU) | Cumulative Generation (MU) | Monthly CUF ( %) |
|                                                               |                 |                         |             | October 2021           | April 2021 to October 2021 |                  |
| <b>NTPC</b>                                                   |                 |                         |             |                        |                            |                  |
| NTPC Faridabad _Solar                                         | Haryana         | 5                       | Solar       | 0.67                   | 4.20                       | 17.90            |
| NTPC Bhadla                                                   | Rajasthan       | 260                     | Solar       | 39.17                  | 265.09                     | 20.25            |
| NTPC Dadri _Solar *                                           | Uttar Pradesh   | 5                       | Solar       | 0.58                   | 3.99                       | 15.63            |
| NTPC Unchahar _Solar *                                        | Uttar Pradesh   | 10                      | Solar       | 1.14                   | 7.31                       | 15.34            |
| NTPC Singrauli _Solar *                                       | Uttar Pradesh   | 15                      | Solar       | 1.64                   | 11.66                      | 14.72            |
| NTPC Auraiya                                                  | Uttar Pradesh   | 20                      | Solar       | 2.94                   | 20.25                      | 19.77            |
| NTPC Singrauli _SH                                            | Uttar Pradesh   | 8                       | Small Hydro |                        | 13.72                      | 0.00             |
| NTPC Rojmal                                                   | Gujarat         | 50                      | Wind        | 4.19                   | 61.29                      | 11.27            |
| NTPC Rajgarh _Solar                                           | Madhya Pradesh  | 50                      | Solar       | 6.86                   | 41.62                      | 18.44            |
| NTPC Mandsaur                                                 | Madhya Pradesh  | 250                     | Solar       | 34.46                  | 216.06                     | 18.53            |
| NTPC Anantapuram                                              | Andhra Pradesh  | 250                     | Solar       | 28.80                  | 221.10                     | 15.49            |
| NTPC Ramagundam                                               | Telangana       | 27.5                    | Solar       | 1.19                   | 7.16                       | 5.82             |
| NTPC Andaman Nicobar                                          | Andaman Nicobar | 5                       | Solar       | 0.40                   | 2.84                       | 10.76            |
| NTPC Talchar _Solar                                           | Orissa          | 10                      | Solar       | 1.09                   | 7.63                       | 14.71            |
| NTPC Solar _Bilhaur                                           | Uttar Pradesh   | 225                     | Solar       | 45.31                  | 278.17                     | 27.07            |
| Simhadri Floating Project                                     | Andhra Pradesh  | 25                      | Solar       | 3.93                   | 9.28                       | 21.15            |
| Total NTPC                                                    |                 | 1215.5                  |             | 172.39                 | 1171.36                    |                  |
| <b>THDC</b>                                                   |                 |                         |             |                        |                            |                  |
| THDC Patan Wind Power Project                                 | Gujarat         | 50                      | Wind        | 2.37                   | 52.89                      | 6.37             |
| THDC Devbhumi Dwarka Wind Power Project                       | Gujarat         | 63                      | Wind        | 5.70                   | 96.41                      | 12.16            |
| THDC Solar Kasaragod                                          | Kerala          | 50                      | Solar       | 7.70                   | 45.00                      | 20.70            |
| THDCIL's premises at Rishikesh                                | Uttarakhand     | 0.5                     | Solar       | 0.04                   | 0.22                       | 9.41             |
| THDC Dhukwan SHEP Jhansi,UP                                   | Uttar Pradesh   | 24                      | Small Hydro | 4.62                   | 29.99                      | 25.87            |
| Total THDC                                                    |                 | 187.5                   |             | 20.43                  | 224.51                     |                  |
| <b>NHPC</b>                                                   |                 |                         |             |                        |                            |                  |
| NHPC Wind Power Project                                       | Rajasthan       | 50                      | Wind        | 4.44                   | 57.00                      | 11.94            |
| NHPC Solar Power Project                                      | Tamil nadu      | 50                      | Solar       | 6.39                   | 52.65                      | 17.18            |
| Total NHPC                                                    |                 | 100                     |             | 10.83                  | 109.65                     |                  |
| <b>ONGC</b>                                                   |                 |                         |             |                        |                            |                  |
| ONGC Wind, Bhuj                                               | Gujarat         | 51.00                   | Wind        | 2.31                   | 68.31                      | 6.08             |
| ONGC Wind, Jaisalmer                                          | Rajasthan       | 102.00                  | Wind        | 7.75                   | 111.52                     | 10.22            |
| ONGC Solar, Goa                                               | Goa             | 1.00                    | Solar       | 0.12                   | 0.78                       | 16.46            |
| ONGC Solar, Hazira                                            | Gujarat         | 10.00                   | Solar       | 1.29                   | 8.15                       | 17.34            |

Renewable Energy Generation Data (CPSU Wise) for **October 2021**

|                                              |                |                |             |              |               |       |
|----------------------------------------------|----------------|----------------|-------------|--------------|---------------|-------|
| ONGC Solar, Ankleshwar                       | Gujarat        | 5.00           | Solar       | 0.558        | 3.71          | 15.00 |
| ONGC Solar,Rajahmundry                       | Andhra Pradesh | 1.00           | Solar       | 0.09         | 0.65          | 11.77 |
| ONGS Solar, SPP of Assam                     | Assam          | 1.09           | Solar       | 0.12         | 0.77          | 14.43 |
| ONGC Solar, SPP of Tati paka, Rajahmundry    | Andhra Pradesh | 5.00           | Solar       | 0.00         | 0.54          | 0.00  |
| ONGC Solar, Rooftop (RTS) Gujarat            | Gujarat        | 4.23           | Solar       | 0.40         | 3.19          | 12.71 |
| ONGC Solar, Assam (RTS)                      | Assam          | 1.65           | Solar       | 0.15         | 0.97          | 12.11 |
| ONGC Solar, Uttarakhand (RTS)                | Uttarakhand    | 1.24           | Solar       | 0.13         | 0.83          | 14.43 |
| ONGC Solar, Agartala asset                   | Tripura        | 0.25           | Solar       | 0.02         | 0.17          | 12.58 |
| ONGC Solar, Mumbai (Uran & NBP green height) | Maharashtra    | 0.29           | Solar       | 0.00         | 0.01          | 0.19  |
| ONGC Solar, Cauvery Assest Karaikal          | Maharashtra    | 0.07           | Solar       | 0.01         | 0.05          | 12.41 |
| ONGC Solar,DDU Bhawan, (Under Maintenance)   | Goa            | 0.25           | Solar       | 0            | 0.00          | 0.00  |
| Total ONGC                                   |                | <b>184.05</b>  |             | <b>12.95</b> | <b>199.66</b> |       |
| <b>SJVN Limited</b>                          |                |                |             |              |               |       |
| Khirvire Wind Power                          | Maharashtra    | 47.6           | Wind        | 8.07         | 46.78         | 22.77 |
| Sadla Wind Power                             | Gujarat        | 50             | Solar       | 6.07         | 66.89         | 16.33 |
| Charanka Solar Power                         | Gujarat        | 5.6            | Solar       | 0.56         | 4.62          | 13.40 |
| Total SJVN                                   |                | <b>103.2</b>   |             | <b>14.70</b> | <b>118.30</b> |       |
| <b>Oil India Ltd</b>                         |                |                |             |              |               |       |
| Oil India Ltd                                | Rajasthan      | 14             | Solar       | 1.97         | 14.28         | 18.88 |
| Oil India Ltd                                | Rajasthan      | 67.6           | Wind        | 4.83         | 57.62         | 9.60  |
| Oil India Ltd                                | Gujarat        | 43.3           | Wind        | 4.51         | 55.50         | 13.99 |
| Oil India Ltd                                | Madhya Pradesh | 63.2           | Wind        | 3.90         | 82.31         | 8.30  |
| Total Oil India Ltd                          |                | <b>188.1</b>   |             | <b>15.21</b> | <b>209.71</b> |       |
| <b>NEEPCO</b>                                |                |                |             |              |               |       |
| NEEPCO                                       | Tripura        | 5              | Solar       | <b>0.44</b>  | <b>3.04</b>   |       |
| <b>DVC</b>                                   |                |                |             |              |               |       |
| DVC                                          | West Bengal    | 0.078          | Solar       | 0.10         | 2.96          | 17.49 |
| DVC                                          | Jharkhand      | 4              | Small Hydro | 2.76         | 9.67          | 42.59 |
| DVC Total                                    |                | <b>4.078</b>   |             | <b>2.86</b>  | <b>12.63</b>  |       |
| All India Total                              |                | <b>1954.93</b> |             | 249.79       | 2048.86       |       |

Generation of CPSU owned RE generating stations is shown in respective state according to physical location so their generation should not be considered additional generation.

( As Available on SLDCs web site or informed furnished by respective SLDC)

Table 11 RE Curtailment Data as available from SLDCs

| Renewable Energy Curtailment for the month of October -2021 |                |                  |                                                                                                                                                                     |
|-------------------------------------------------------------|----------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S.No.                                                       | States         | Curtailment (MU) | Source                                                                                                                                                              |
| 1.                                                          | Andhra Pradesh |                  | APTRANSCO Website-<br><a href="http://apps.aptransco.co.in/sldcreports/forms/BackDownWind.aspx">http://apps.aptransco.co.in/sldcreports/forms/BackDownWind.aspx</a> |
| 2.                                                          | Telangana      | 0                | Information furnished by SLDC, TSTransco through email.                                                                                                             |
| 3.                                                          | Tamil Nadu     | -                | No information is available on website.                                                                                                                             |
| 4.                                                          | Karnataka      | —                | SLDC, KPTCL Website-<br><a href="http://kptclsldc.com/recurtail.aspx">http://kptclsldc.com/recurtail.aspx</a>                                                       |
| 5.                                                          | Maharashtra    | -                | No information is available on website.                                                                                                                             |
| 6.                                                          | Gujarat        | -                | No information is available on website.                                                                                                                             |
| 7.                                                          | Rajasthan      | —                | SLDC, RRVPNL Website-<br><a href="https://sldc.rajasthan.gov.in/mis/monthlyReDsmReports">https://sldc.rajasthan.gov.in/mis/monthlyReDsmReports</a>                  |
| 8.                                                          | Madhya Pradesh | —                | SLDC, MP Power Transmission Corporation Ltd.- <a href="http://223.31.122.117/mpslhc/RE_DATA">http://223.31.122.117/mpslhc/RE_DATA</a>                               |

Table 12 Deviation Data for ISGS

| Deviation Settlement Mechanism(DSM) of Renewable Energy (ISGS) project for the Month of October 2021 |        |               |            |                                    |
|------------------------------------------------------------------------------------------------------|--------|---------------|------------|------------------------------------|
| Station                                                                                              | Source | Schedule (MU) | Actual(MU) | Deviation (Actual-Schedule) in MU. |
| <b>Northern Region</b>                                                                               |        |               |            |                                    |
| ACME Chittorgarh Energy Pvt Ltd                                                                      | Solar  | 50.25         | 52.35      | 2.10                               |
| Adani Hybrid Energy jaisalmer One Ltd Solar                                                          | Solar  | 78.78         | 78.61      | -0.17                              |
| Adani Hybrid Energy jaisalmer three Ltd Solar                                                        | Solar  | 10.07         | 9.88       | -0.19                              |
| Adani Hybrid Energy jaisalmer two Ltd Solar                                                          | Solar  | 9.22          | 8.49       | -0.73                              |
| Mahoba Solar (UP) Pvt Ltd                                                                            | Solar  | 46.92         | 43.76      | -3.16                              |
| M/S Adani Solar Energy Jodhpur Two Pvt Ltd                                                           | Solar  | 11.40         | 11.54      | 0.14                               |
| KILAJ Solar(Maharashtra) Pvt Ltd.                                                                    | Solar  | 10.98         | 11.05      | 0.07                               |
| Auraiya Solar                                                                                        | Solar  | 3.12          | 2.91       | -0.21                              |
| Azure Forty One Pvt Ltd                                                                              | Solar  | 3.86          | 6.48       | 2.62                               |
| Azure Forty Three Pvt Ltd                                                                            | Solar  | 96.84         | 98.47      | 1.63                               |
| Azure Power Thirty Four Pvt Ltd                                                                      | Solar  | 30.14         | 29.43      | -0.71                              |
| Azure Solar                                                                                          | Solar  | 37.92         | 39.4       | 1.48                               |
| Clean Solar Power (Bhadla) Pvt Ltd                                                                   | Solar  | 66.16         | 62.13      | -4.03                              |
| Dadri Solar                                                                                          | Solar  | 0.70          | 0.58       | -0.12                              |
| Eden Renewable Cite Pvt Ltd                                                                          | Solar  | 60.52         | 62.68      | 2.16                               |
| Mahindra Renewable Pvt Ltd                                                                           | Solar  | 52.05         | 54.7       | 2.65                               |
| Renew Jharkhand                                                                                      | Solar  | 46.63         | 48.37      | 1.74                               |
| Renew Solar Power Pvt Ltd                                                                            | Solar  | 11.13         | 11.06      | -0.07                              |
| Renew Sun Waves Pvt Ltd                                                                              | Solar  | 57.19         | 59.56      | 2.37                               |
| Renew Solar Power Pvt Ltd . Bikaner                                                                  | Solar  | 54.15         | 53.48      | -0.67                              |
| SB Energy Four Pvt Ltd                                                                               | Solar  | 43.43         | 43.42      | -0.01                              |
| SB Energy Six Pvt Ltd                                                                                | Solar  | 65.96         | 67.24      | 1.28                               |
| SBSR Power Cleantech Eleven Pvt Ltd                                                                  | Solar  | 9.61          | 13.06      | 3.45                               |
| Singrauli Solar                                                                                      | Solar  | 1.73          | 1.55       | -0.18                              |
| TATA Power Renewable Energy Pvt Ltd                                                                  | Solar  | 64.13         | 58.51      | -5.62                              |
| Unchahar Solar                                                                                       | Solar  | 1.20          | 1.13       | -0.07                              |
| <b>Western Region</b>                                                                                |        |               |            |                                    |
| ACME Solar (Ramnagar)                                                                                | Solar  | 44.68         | 45.50      | 0.81                               |
| Aadni Green Energy MP Ltd (Dayapar)                                                                  | Wind   | 55.43         | 63.53      | 8.10                               |
| Alfanar Wind                                                                                         | Wind   | 41.61         | 32.94      | -8.67                              |
| Arinsun Solar (Barsaitadesh)                                                                         | Solar  | 43.91         | 45.48      | 1.56                               |
| GIWEL - II Wind (Vadva)                                                                              | Wind   | 38.28         | 32.18      | -6.10                              |
| GIWEL - III Wind (Naranpar)                                                                          | Wind   | 36.47         | 30.29      | -6.18                              |
| IWISL Wind (Dayapar)                                                                                 | Wind   | 17.26         | 21.72      | 4.45                               |
| Mahindra Solar (Badwar)                                                                              | Solar  | 44.67         | 45.85      | 1.17                               |
| Ostro Wind (Kutch)                                                                                   | Wind   | 40.69         | 32.99      | -7.70                              |
| Renew Wind Energy AP2                                                                                | Wind   | 53.67         | 47.96      | -5.70                              |

| Deviation Settlement Mechanism(DSM) of Renewable Energy (ISGS) project for the Month of October 2021 |        |               |            |                                    |
|------------------------------------------------------------------------------------------------------|--------|---------------|------------|------------------------------------|
| Renew Solar (Bhuvad)                                                                                 | Solar  | 38.95         | 31.40      | -7.55                              |
| Station                                                                                              | Source | Schedule (MU) | Actual(MU) | Deviation (Actual-Schedule) in MU. |
| Betam Tuticorin                                                                                      | Wind   | 34.89         | 38.87      | 3.98                               |
| Girel Tuticorin                                                                                      | Wind   | 49.90         | 42.70      | -7.20                              |
| Mytrah Tuticorin                                                                                     | Wind   | 39.92         | 30.11      | -9.81                              |
| Orange Tuticorin                                                                                     | Wind   | 35.14         | 32.87      | -2.26                              |
| SPRNG RENEWABLE ENERGY PVT LTD(PUGALUR)                                                              | Wind   | 29.51         | 28.04      | -1.47                              |

+ve Deviation Means Actual generation is greater than Schedule Generation.

Table 13 Fossil and Non-Fossil Generation

| Fossil and Non Fossil (State Wise) Electricity Generation(MU) for the Month of October 2021 |          |         |            |               |                  |             |                                     |
|---------------------------------------------------------------------------------------------|----------|---------|------------|---------------|------------------|-------------|-------------------------------------|
| State/UT                                                                                    | Fossil   |         | Non Fossil |               |                  | Grand Total | Non Fossil as % of Total Generation |
|                                                                                             | Thermal  | Gas     | Nuclear    | Hydro (Large) | Renewable Energy |             |                                     |
| Chandigarh                                                                                  | 0.00     | 0.00    | 0.00       | 0.00          | 2.04             | 2.04        | 100.00                              |
| Delhi                                                                                       | 0.00     | 555.27  | 0.00       | 0.00          | 43.81            | 599.08      | 7.31                                |
| Haryana                                                                                     | 2020.81  | 9.88    | 0.00       | 0.00          | 105.03           | 2135.72     | 4.92                                |
| HP                                                                                          | 0.00     | 0.00    | 0.00       | 2850.67       | 289.21           | 3139.88     | 100.00                              |
| J & K                                                                                       | 0.00     | 0.00    | 0.00       | 1315.98       | 31.40            | 1347.38     | 100.00                              |
| Ladakh                                                                                      | 0.00     | 0.00    | 0.00       | 34.60         | 0.00             | 34.60       | 100.00                              |
| Punjab                                                                                      | 2132.36  | 0.00    | 0.00       | 287.11        | 209.21           | 2628.68     | 18.88                               |
| Rajasthan                                                                                   | 3877.17  | 179.15  | 750.75     | 53.01         | 1936.16          | 6796.24     | 40.32                               |
| Uttar Pradesh                                                                               | 10646.46 | 256.27  | 303.16     | 164.80        | 307.71           | 11678.40    | 6.64                                |
| Uttarakhand                                                                                 | 0.00     | 0.00    | 0.00       | 1659.82       | 71.67            | 1731.49     | 100.00                              |
| Northern Region                                                                             | 18676.80 | 1000.57 | 1053.91    | 6365.99       | 2996.24          | 30093.51    | 34.61                               |
| Chhattisgarh                                                                                | 10694.99 | 0.00    | 0.00       | 90.10         | 144.24           | 10929.33    | 2.14                                |
| Gujarat                                                                                     | 3465.28  | 844.76  | 332.60     | 296.22        | 1300.73          | 6239.59     | 30.92                               |
| Madhya Pradesh                                                                              | 10583.73 | 0.00    | 0.00       | 443.92        | 542.06           | 11569.71    | 8.52                                |
| Maharashtra                                                                                 | 9456.26  | 534.09  | 810.19     | 670.11        | 747.97           | 12218.62    | 18.24                               |
| Dadra and Nagar Haveli                                                                      | 0.00     | 0.00    | 0.00       | 0.00          | 4.61             | 4.61        | 100.00                              |
| Daman & Diu                                                                                 | 0.00     | 0.00    | 0.00       | 0.00          | 3.44             | 3.44        | 100.00                              |
| Goa                                                                                         | 0.00     | 0.00    | 0.00       | 0.00          | 0.10             | 0.10        | 100.00                              |
| Western Region                                                                              | 34200.26 | 1378.85 | 1142.79    | 1500.35       | 2743.14          | 40965.39    | 13.15                               |
| Andhra Pradesh                                                                              | 4375.94  | 149.95  | 0.00       | 661.87        | 897.16           | 6084.92     | 25.62                               |
| Telangana                                                                                   | 4481.99  | 0.00    | 0.00       | 1368.80       | 632.85           | 6483.64     | 30.87                               |
| Karnataka                                                                                   | 2793.73  | 0.00    | 632.07     | 1123.81       | 1962.29          | 6511.90     | 57.10                               |
| Kerala                                                                                      | 0.00     | 0.00    | 0.00       | 977.66        | 159.33           | 1136.99     | 100.00                              |
| Tamil Nadu                                                                                  | 4746.48  | 161.43  | 1588.64    | 476.37        | 1517.82          | 8490.74     | 42.20                               |
| Lakshadweep                                                                                 | 0.00     | 0.00    | 0.00       | 0.00          | 0.01             | 0.01        | 100.00                              |
| Puducherry                                                                                  | 0.00     | 21.83   | 0.00       | 0.00          | 1.02             | 22.85       | 4.46                                |
| Southern Region                                                                             | 16398.14 | 333.21  | 2220.71    | 4608.51       | 5170.48          | 28731.05    | 41.77                               |
| Andaman Nicobar                                                                             | 15.09    | 0.00    | 0.00       | 0.00          | 3.51             | 18.60       | 18.86                               |
| Bihar                                                                                       | 3091.43  | 0.00    | 0.00       | 0.00          | 14.18            | 3105.61     | 0.46                                |
| Jharkhand                                                                                   | 2279.59  | 0.00    | 0.00       | 85.38         | 1.30             | 2366.27     | 3.66                                |
| Orissa                                                                                      | 4936.59  | 0.00    | 0.00       | 714.90        | 115.89           | 5767.38     | 14.40                               |
| Sikkim                                                                                      | 0.00     | 0.00    | 0.00       | 1229.89       | 1.03             | 1230.92     | 100.00                              |
| West Bengal                                                                                 | 6533.40  | 0.00    | 0.00       | 319.22        | 172.05           | 7024.67     | 6.99                                |
| Eastern Region                                                                              | 16856.10 | 0.00    | 0.00       | 2349.39       | 307.96           | 19513.45    | 13.62                               |
| Arunachal Pradesh                                                                           | 0.00     | 0.00    | 0.00       | 414.17        | 0.17             | 414.34      | 100.00                              |
| Assam                                                                                       | 345.08   | 306.18  | 0.00       | 87.80         | 10.53            | 749.59      | 13.12                               |
| Manipur                                                                                     | 0.00     | 0.00    | 0.00       | 77.46         | 0.49             | 77.95       | 100.00                              |
| Meghalaya                                                                                   | 0.00     | 0.00    | 0.00       | 97.55         | 4.26             | 101.81      | 100.00                              |
| Mizoram                                                                                     | 0.00     | 0.00    | 0.00       | 25.76         | 3.23             | 28.99       | 100.00                              |
| Nagaland                                                                                    | 0.00     | 0.00    | 0.00       | 7.63          | 12.37            | 20.00       | 100.00                              |

# Fossil and Non Fossil (State Wise) Electricity Generation(MU) for the Month of October 2021

| State/UT               | Fossil          |                | Non Fossil     |                 |                  | Grand Total      | Non Fossil as % of Total Generation |
|------------------------|-----------------|----------------|----------------|-----------------|------------------|------------------|-------------------------------------|
|                        | Thermal         | Gas            | Nuclear        | Hydro (Large)   | Renewable Energy |                  |                                     |
| Tripura                | 0.00            | 610.49         | 0.00           | 0.00            | 0.34             | 610.83           | 0.06                                |
| North Eastern Region   | 345.08          | 916.67         | 0.00           | 710.37          | 31.40            | 2003.52          | 37.02                               |
| <b>All India Total</b> | <b>86476.38</b> | <b>3629.30</b> | <b>4417.41</b> | <b>15534.61</b> | <b>11249.20</b>  | <b>121306.90</b> | <b>25.72</b>                        |

Table 14 Renewable Energy as % of Total Electricity Generated

| RE Generation as proportion of Total Electricity generation(MU) -Physical location wise. (State Wise) for the Month of October 2021 |          |         |         |         |                  |             |                  |
|-------------------------------------------------------------------------------------------------------------------------------------|----------|---------|---------|---------|------------------|-------------|------------------|
| State/UT                                                                                                                            | Thermal  | Gas     | Nuclear | Hydro   | Renewable Energy | Grand Total | RE as % of Total |
| Chandigarh                                                                                                                          | 0.00     | 0.00    | 0.00    | 0.00    | 2.04             | 2.04        | 100.00           |
| Delhi                                                                                                                               | 0.00     | 555.27  | 0.00    | 0.00    | 43.81            | 599.08      | 7.31             |
| Haryana                                                                                                                             | 2020.81  | 9.88    | 0.00    | 0.00    | 105.03           | 2135.72     | 4.92             |
| HP                                                                                                                                  | 0.00     | 0.00    | 0.00    | 2850.67 | 289.21           | 3139.88     | 9.21             |
| J & K                                                                                                                               | 0.00     | 0.00    | 0.00    | 1315.98 | 31.40            | 1347.38     | 2.33             |
| Ladakh                                                                                                                              | 0.00     | 0.00    | 0.00    | 34.60   | 0.00             | 34.60       | 0.00             |
| Punjab                                                                                                                              | 2132.36  | 0.00    | 0.00    | 287.11  | 209.21           | 2628.68     | 7.96             |
| Rajasthan                                                                                                                           | 3877.17  | 179.15  | 750.75  | 53.01   | 1936.16          | 6796.24     | 28.49            |
| Uttar Pradesh                                                                                                                       | 10646.46 | 256.27  | 303.16  | 164.80  | 307.71           | 11678.40    | 2.63             |
| Uttarakhand                                                                                                                         | 0.00     | 0.00    | 0.00    | 1659.82 | 71.67            | 1731.49     | 4.14             |
| Northern Region                                                                                                                     | 18676.80 | 1000.57 | 1053.91 | 6365.99 | 2996.24          | 30093.51    | 166.99           |
| Chhattisgarh                                                                                                                        | 10694.99 | 0.00    | 0.00    | 90.10   | 144.24           | 10929.33    | 1.32             |
| Gujarat                                                                                                                             | 3465.28  | 844.76  | 332.60  | 296.22  | 1300.73          | 6239.59     | 20.85            |
| Madhya Pradesh                                                                                                                      | 10583.73 | 0.00    | 0.00    | 443.92  | 542.06           | 11569.71    | 4.69             |
| Maharashtra                                                                                                                         | 9456.26  | 534.09  | 810.19  | 670.11  | 747.97           | 12218.62    | 6.12             |
| Dadra and Nagar Haveli                                                                                                              | 0.00     | 0.00    | 0.00    | 0.00    | 4.61             | 4.61        | 100.00           |
| Daman & Diu                                                                                                                         | 0.00     | 0.00    | 0.00    | 0.00    | 3.44             | 3.44        | 100.00           |
| Goa                                                                                                                                 | 0.00     | 0.00    | 0.00    | 0.00    | 0.10             | 0.10        | 100.00           |
| Western Region                                                                                                                      | 34200.26 | 1378.85 | 1142.79 | 1500.35 | 2743.14          | 40965.39    | 332.97           |
| Andhra Pradesh                                                                                                                      | 4375.94  | 149.95  | 0.00    | 661.87  | 897.16           | 6084.92     | 14.74            |
| Telangana                                                                                                                           | 4481.99  | 0.00    | 0.00    | 1368.80 | 632.85           | 6483.64     | 9.76             |
| Karnataka                                                                                                                           | 2793.73  | 0.00    | 632.07  | 1123.81 | 1962.29          | 6511.90     | 30.13            |
| Kerala                                                                                                                              | 0.00     | 0.00    | 0.00    | 977.66  | 159.33           | 1136.99     | 14.01            |
| Tamil Nadu                                                                                                                          | 4746.48  | 161.43  | 1588.64 | 476.37  | 1517.82          | 8490.74     | 17.88            |
| Lakshadweep                                                                                                                         | 0.00     | 0.00    | 0.00    | 0.00    | 0.01             | 0.01        | 100.00           |
| Puducherry                                                                                                                          | 0.00     | 21.83   | 0.00    | 0.00    | 1.02             | 22.85       | 4.46             |
| Southern Region                                                                                                                     | 16398.14 | 333.21  | 2220.71 | 4608.51 | 5170.48          | 28731.05    | 190.99           |
| Andaman Nicobar                                                                                                                     | 15.09    | 0.00    | 0.00    | 0.00    | 3.51             | 18.60       | 18.86            |
| Bihar                                                                                                                               | 3091.43  | 0.00    | 0.00    | 0.00    | 14.18            | 3105.61     | 0.46             |
| Jharkhand                                                                                                                           | 2279.59  | 0.00    | 0.00    | 85.38   | 1.30             | 2366.27     | 0.06             |
| Orissa                                                                                                                              | 4936.59  | 0.00    | 0.00    | 714.90  | 115.89           | 5767.38     | 2.01             |
| Sikkim                                                                                                                              | 0.00     | 0.00    | 0.00    | 1229.89 | 1.03             | 1230.92     | 0.08             |
| West Bengal                                                                                                                         | 6533.40  | 0.00    | 0.00    | 319.22  | 172.05           | 7024.67     | 2.45             |
| Eastern Region                                                                                                                      | 16856.10 | 0.00    | 0.00    | 2349.39 | 307.96           | 19513.45    | 23.91            |
| Arunachal Pradesh                                                                                                                   | 0.00     | 0.00    | 0.00    | 414.17  | 0.17             | 414.34      | 0.04             |
| Assam                                                                                                                               | 345.08   | 306.18  | 0.00    | 87.80   | 10.53            | 749.59      | 1.40             |
| Manipur                                                                                                                             | 0.00     | 0.00    | 0.00    | 77.46   | 0.49             | 77.95       | 0.62             |
| Meghalaya                                                                                                                           | 0.00     | 0.00    | 0.00    | 97.55   | 4.26             | 101.81      | 4.19             |
| Mizoram                                                                                                                             | 0.00     | 0.00    | 0.00    | 25.76   | 3.23             | 28.99       | 11.15            |
| Nagaland                                                                                                                            | 0.00     | 0.00    | 0.00    | 7.63    | 12.37            | 20.00       | 61.85            |
| Tripura                                                                                                                             | 0.00     | 610.49  | 0.00    | 0.00    | 0.34             | 610.83      | 0.06             |

**RE Generation as proportion of Total Electricity generation(MU) -Physical location wise. (State Wise) for the Month of October 2021**

| State/UT                    | Thermal         | Gas            | Nuclear        | Hydro           | Renewable Energy | Grand Total      | RE as % of Total |
|-----------------------------|-----------------|----------------|----------------|-----------------|------------------|------------------|------------------|
| <b>North Eastern Region</b> | 345.08          | 916.67         | 0.00           | 710.37          | 31.40            | 2003.52          | 1.57             |
| <b>All India Total</b>      | <b>86476.38</b> | <b>3629.30</b> | <b>4417.41</b> | <b>15534.61</b> | <b>11249.20</b>  | <b>121306.90</b> | <b>9.27</b>      |

## RENEWABLE ENERGY TO TRANSPORT SECTOR :

Table 15 REWA Solar To Delhi Metro

| From Rewa Solar Park (MP) to DMRC   |               |      |       |              |
|-------------------------------------|---------------|------|-------|--------------|
|                                     | Delhi Discoms |      |       |              |
| Month                               | BRPL          | BYPL | TPDDL | Total ( MUs) |
| April ,2021                         | 11.51         | 5.65 | 5.42  | 22.57        |
| May ,2021                           | 3.01          | 1.01 | 1.25  | 5.27         |
| June ,2021                          | 12.32         | 6.69 | 6.40  | 25.41        |
| July ,2021                          | 17.00         | 9.34 | 8.36  | 34.70        |
| August ,2021                        | 16.68         | 9.24 | 8.43  | 34.35        |
| September ,2021                     | 15.31         | 8.70 | 7.73  | 31.74        |
| October,2021                        | 15.67         | 8.75 | 7.93  | 32.35        |
| All figures at Delhi PP in MUs      |               |      |       |              |
| DMRC : Delhi Metro Rail Corporation |               |      |       |              |

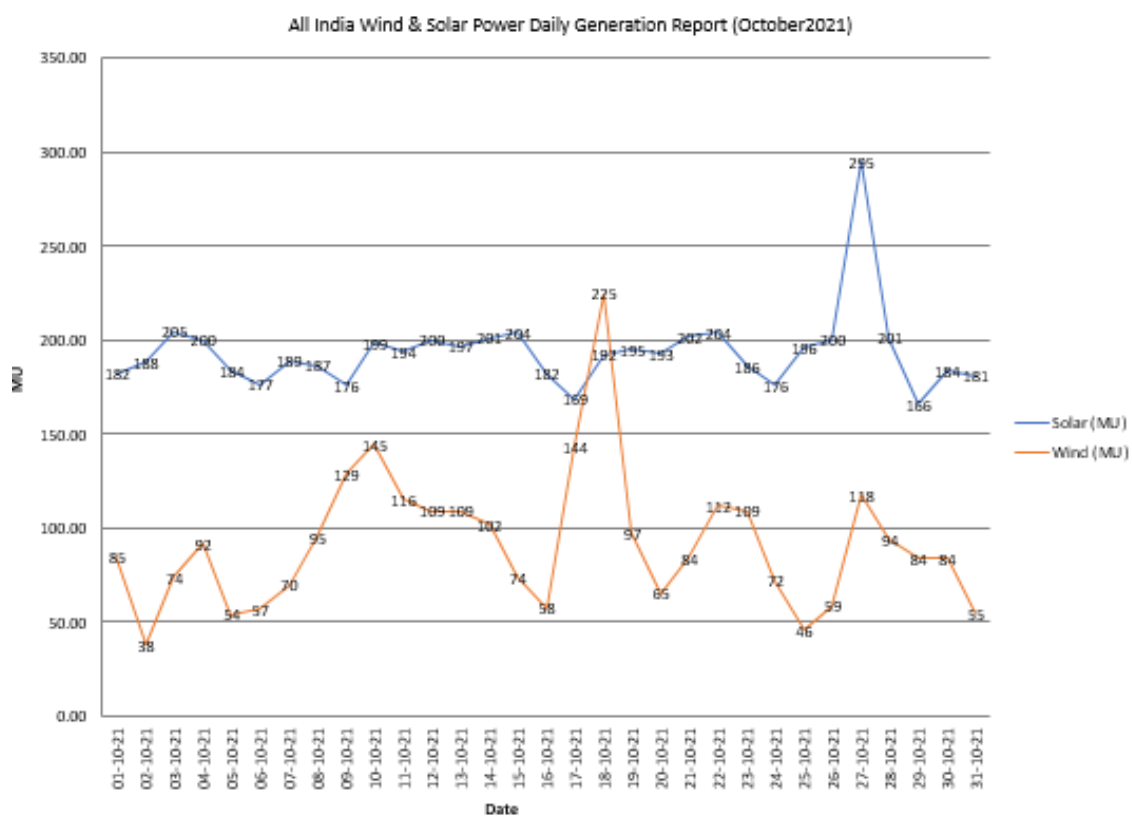


Figure 19 Daily Solar and wind Power Generation trend in the month of October -21



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For any query, please contact at:

011-26732223

[cerpmcea@gmail.com](mailto:cerpmcea@gmail.com)