

Energy Indicators of India for Sustainability from 2012-13 to 2020-21
(Based on Domestic Conversion Factors and Final, Audited data)

Table 8.4 Energy Indicators for Sustainability from FY : 2012-13 to FY : 2020-21

| Theme | Sub-theme | Indicator | Category | Unit | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21 | |
|----------------------------|---|--|---------------------|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
| Use and Production Pattern | Overall Use | Energy use per capita | TPES | toe/person | 0.4700 | 0.4700 | 0.5111 | 0.5305 | 0.5378 | 0.5345 | 0.5690 | 0.5881 | 0.5402 | |
| | | | TFC | toe/person | 0.3202 | 0.3305 | 0.3507 | 0.3633 | 0.3650 | 0.3797 | 0.4035 | 0.3973 | 0.3734 | |
| | | | Electricity | Kwh/person | 666.7915 | 698.1008 | 747.8628 | 779.5310 | 816.6499 | 855.0876 | 910.9819 | 929.6133 | 906.5778 | |
| | Overall Productivity | Energy use per unit of GDP | TPES | toe/000rupees | 0.0063 | 0.0060 | 0.0062 | 0.0060 | 0.0057 | 0.0053 | 0.0054 | 0.0054 | 0.0054 | 0.0054 |
| | | | TFC | toe/000rupees | 0.0043 | 0.0042 | 0.0042 | 0.0041 | 0.0039 | 0.0038 | 0.0038 | 0.0037 | 0.0037 | 0.0037 |
| | | | Electricity | Kwh/000rupees | 8.9471 | 8.9192 | 9.0098 | 8.8059 | 8.6218 | 8.5467 | 8.6470 | 8.5980 | 9.0734 | |
| | Supply Efficiency | Efficiency of energy conversion and distribution | All | % | 22.00 | 21.68 | 21.50 | 20.63 | 20.17 | 19.90 | 19.69 | 19.57 | 19.83 | |
| | Production | Reserves-to-production ratio | All | years | 167 | 171 | 169 | 172 | 175 | 178 | 176 | 187 | 209 | |
| | | | coal | years | 221 | 223 | 216 | 216 | 217 | 220 | 214 | 224 | 247 | |
| | | | lignite | years | 133 | 140 | 128 | 141 | 145 | 140 | 153 | 161 | 195 | |
| | | Resources-to-production ratio | All | years | 416 | 423 | 408 | 400 | 400 | 397 | 385 | 408 | 436 | |
| | | | Crude oil | years | 20 | 20 | 17 | 17 | 17 | 17 | 18 | 19 | 19 | |
| | | | Natural Gas | years | 33 | 40 | 37 | 38 | 40 | 41 | 42 | 44 | 48 | |
| | | | Coal | years | 537 | 533 | 503 | 483 | 479 | 472 | 448 | 471 | 492 | |
| | Lignite | years | 930 | 977 | 914 | 1017 | 988 | 979 | 1033 | 1093 | 1214 | | | |
| | End Use | Sectoral Energy Intensities | Industry | toe/000rupees | 0.00818 | 0.00835 | 0.00863 | 0.00801 | 0.00736 | 0.00732 | 0.00772 | 0.00763 | 0.00754 | |
| | | | Agriculture | toe/000rupees | 0.00089 | 0.00086 | 0.00096 | 0.00098 | 0.00100 | 0.00098 | 0.00103 | 0.00096 | 0.00097 | |
| | | | Transport | toe/000rupees | 0.00820 | 0.00770 | 0.00785 | 0.00828 | 0.00875 | 0.00900 | 0.00920 | 0.00954 | 0.00987 | |
| | | Sectoral Electricity Intensities | Industry | Kwh/000rupees | 14.469 | 14.647 | 14.899 | 13.719 | 13.257 | 13.376 | 14.099 | 14.712 | 14.517 | |
| | | | Agriculture | Kwh/000rupees | 9.674 | 9.492 | 10.520 | 10.716 | 11.075 | 10.828 | 11.360 | 10.659 | 10.806 | |
| | | | Transport | Kwh/000rupees | 3.284 | 3.405 | 3.300 | 3.167 | 2.867 | 2.960 | 3.038 | 3.049 | 2.980 | |
| | | Diversification (Fuel Mix) | Fuel shares in TPES | Crude Oil | % | 39.16 | 39.42 | 35.78 | 35.97 | 36.56 | 37.27 | 35.26 | 33.54 | 31.64 |
| | | | | Natural Gas | % | 9.23 | 8.32 | 7.42 | 7.24 | 7.47 | 7.87 | 7.50 | 7.58 | 7.79 |
| | | | | Coal | % | 55.09 | 56.78 | 59.61 | 58.04 | 56.88 | 55.72 | 56.98 | 57.33 | 57.67 |
| | RE & Others | | | % | 4.04 | 4.47 | 4.18 | 3.82 | 3.95 | 4.24 | 4.33 | 4.81 | 5.11 | |
| | Fuel share in TFC | | Oil Products | % | 40.08 | 38.67 | 37.58 | 39.88 | 41.21 | 41.55 | 40.23 | 40.62 | 39.03 | |
| | | | Natural Gas | % | 6.04 | 5.84 | 5.32 | 5.47 | 5.83 | 5.72 | 5.39 | 5.76 | 5.99 | |
| Coal | | | % | 35.97 | 37.33 | 38.76 | 36.19 | 33.73 | 33.36 | 34.97 | 33.49 | 34.11 | | |
| Electricity | | | % | 17.91 | 18.16 | 18.34 | 18.45 | 19.24 | 19.37 | 19.41 | 20.12 | 20.88 | | |
| Fuel share in electricity | Thermal | | % | 81.42 | 79.87 | 81.10 | 83.03 | 82.64 | 81.88 | 80.86 | 78.61 | 78.22 | | |
| | Nuclear | | % | 2.96 | 2.91 | 2.82 | 2.80 | 2.69 | 2.59 | 2.39 | 2.86 | 2.69 | | |
| | Hydro | | % | 10.27 | 11.48 | 10.12 | 9.09 | 8.71 | 8.51 | 8.53 | 9.62 | 9.43 | | |
| | RE (other than Hydro) | | % | 5.34 | 5.73 | 5.96 | 5.09 | 5.96 | 7.02 | 8.23 | 8.91 | 9.66 | | |
| Security | Imports | Net energy import dependency | Overall | % | 34.21 | 35.55 | 37.00 | 37.98 | 31.16 | 40.07 | 40.64 | 42.26 | 42.01 | |
| | | | Crude Oil | % | 83.00 | 83.36 | 83.49 | 84.59 | 85.59 | 86.07 | 86.88 | 87.59 | 86.56 | |
| | | | Natural gas | % | 30.22 | 33.46 | 35.60 | 39.88 | 43.79 | 45.66 | 46.65 | 52.08 | 53.53 | |
| | | | Coal | % | 23.20 | 24.91 | 28.52 | 27.07 | 25.46 | 28.20 | 28.72 | 28.94 | 27.33 | |
| | Electricity | % | 0.43 | 0.47 | 0.39 | 0.39 | 0.40 | 0.34 | 0.32 | 0.46 | 0.60 | | | |
| Strategic Fuel Stocks | Stocks of critical fuels per corresponding fuel consumption | Coal | % | 8.84 | 7.51 | 7.22 | 7.81 | 9.18 | 6.90 | 5.95 | 8.52 | 12.03 | | |

Note: The difference in the figures computed by MoPNG and MoSPI arises due to methodological differences - MoSPI using data from supply side and MoPNG using consumption side.