2011-12

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Source** | | **Quantum (MU)** | | **Fixed Charges (Rs. Cr.)** | | **Energy Charge (Rs. Crore)** | | **Energy Charge (Rs./Unit)** | | **Total Cost (Rs. Cr)** | | **Rate (Rs/kWh)** | |
| **Own Generating Stations** | |  | |  | |  | |  | |  | |  | |
| Ennore TPS | | 744.02 | | 119.00 | | 262.98 | | 3.53 | | 381.97 | | 5.13 | |
| Tuticorin TPS | | 7,262.24 | | 398.35 | | 2,288.04 | | 3.15 | | 2,686.39 | | 3.70 | |
| Mettur TPS | | 6,279.21 | | 277.96 | | 1,777.32 | | 2.83 | | 2,055.29 | | 3.27 | |
| North Chennai TPS | | 4,301.14 | | 324.03 | | - | | - | | 324.03 | | 0.75 | |
| **Total Thermal** | | **18,586.62** | | **1,119.33** | | **4,328.35** | |  | | **5,447.68** | | **2.93** | |
| TGTPS | | 663.00 | | 67.61 | | 110.34 | | 1.66 | | 110.34 | | 1.66 | |
| KGTPS | | 385.00 | | 36.71 | | 64.06 | | 1.66 | | 64.06 | | 1.66 | |
| BBGTPS | | - | | 47.25 | | - | | 16.88 | | - | | - | |
| VGTPS (Unit 1 and 2) | | 1,045.00 | | 129.46 | | 165.50 | | 1.58 | | 165.50 | | 1.58 | |
| **Total Gas** | | **2,093.00** | | **281.04** | | **339.89** | |  | | **620.93** | | **1.62** | |
| Erode HEP | | 1,196.00 | | 129.44 | |  | |  | | 129.44 | | 1.08 | |
| Kadamparai HEP | | 576.49 | | 66.33 | |  | |  | | 66.33 | | 1.15 | |
| Kundah HEP | | 1,920.00 | | 189.41 | |  | |  | | 189.41 | | 0.99 | |
| Tirunelveli HEP | | 583.00 | | 79.83 | |  | |  | | 79.83 | | 1.37 | |
| **Total Hydro** | | **4,275.49** | | **464.99** | |  | |  | | **464.99** | | **1.09** | |
| **Wind** | | 12.15 | |  | |  | |  | | 3.34 | | 2.75 | |
| **Total from Own Generating** | | **24,967.26** | | **1,865.37** | |  | |  | | **6,536.95** | | **2.51** | |
| **CGS** | |  | |  | |  | |  | |  | |  | |
| NTPC SR (Ramagundam) (I&II) | | 4,105.62 | | 217.32 | | 652.05 | | 1.59 | | 869.37 | | 2.12 | |
| NTPC SR (Ramagundam) III | | 1,048.45 | | 88.23 | | 195.87 | | 1.87 | | 284.10 | | 2.71 | |
| NLC TS - I | | 3,145.66 | | 155.25 | | 520.51 | | 1.65 | | 675.76 | | 2.15 | |
| NLC TS - II | | 3,167.34 | | 197.24 | | 614.56 | | 1.94 | | 811.80 | | 2.56 | |
| NLC TS Expansion I | | 1,526.27 | | 212.37 | | 277.03 | | 1.82 | | 489.40 | | 3.21 | |
| NTPC Talcher | | 3,621.59 | | 283.95 | | 740.58 | | 2.04 | | 1,024.53 | | 2.83 | |
| NTPC Simhadri | | 469.49 | | 73.73 | | 102.50 | | 2.18 | | 176.23 | | 3.75 | |
| MAPS | | 1,604.08 | | - | | 319.21 | | 1.99 | | 319.21 | | 1.99 | |
| KAIGA | | 1,171.24 | | - | | 365.66 | | 3.12 | | 365.66 | | 3.12 | |
| NTPC Kayamkulam | | - | | 65.44 | | - | | 13.07 | | 65.44 | | - | |
| NTPC ER | | 465.30 | | 43.24 | | 134.66 | | 2.89 | | 177.90 | | 3.82 | |
| NTPC Dadri | | 100.51 | | 15.11 | | 26.38 | | 2.62 | | 41.49 | | 4.13 | |
| **Total CGS** | | **20,425.55** | | **1,351.88** | |  | |  | | **5,300.90** | | **2.60** | |
| **IPP** | |  | |  | |  | |  | |  | |  | |
| GMR Vasavi | | - | | 158.55 | | - | | 11.29 | | 158.55 | | - | |
| Samalpatti | | - | | 115.86 | | - | | 14.18 | | 115.86 | | - | |
| Madurai Power Corpn | | - | | 124.30 | | - | | 14.89 | | 124.30 | | - | |
| PPN | | 932.77 | | 285.50 | | 783.25 | | 8.40 | | 1,068.75 | | 11.46 | |
| STCMS - Neyveli | | 1,688.22 | | 314.62 | | 338.38 | | 2.00 | | 653.00 | | 3.87 | |
| LANCO Power (Aban co) | | 759.61 | | 106.50 | | 134.45 | | 1.77 | | 240.95 | | 3.17 | |
| Penna | | 359.61 | | 56.29 | | 64.37 | | 1.79 | | 120.66 | | 3.36 | |
| **Total IPP** | | **3,740.21** | | **1,161.62** | | **1,320.45** | |  | | **2,482.07** | | **6.64** | |
| **Renewables** | |  | |  | |  | |  | |  | |  | |
| Wind | | 5,711.00 | |  | |  | |  | | 1,770.00 | | 3.10 | |
| Biomass | | 72.76 | |  | |  | |  | | 34.00 | | 4.67 | |
| Cogeneration | | 1,284.92 | |  | |  | |  | | 506.00 | | 3.94 | |
| Captive | | 575.00 | |  | |  | |  | | 237.00 | | 4.12 | |
| Solar | | 11.00 | |  | |  | |  | | 6.00 | | 5.45 | |
| **Total Renewables** | | **7,654.68** | |  | |  | |  | | **2,553.00** | | **3.34** | |
| **Other Sources** | |  | |  | |  | |  | |  | |  | |
| Trading - Bilateral & Exchange | | 6,900.00 | |  | |  | |  | | 3,292.00 | | 4.77 | |
| UI | | 718.00 | |  | |  | |  | | 327.04 | | 4.55 | |
| STOA | | 2,203.00 | |  | |  | |  | | 983.00 | | 4.46 | |
| **Total Other Sources** | | **9,821.00** | |  | |  | |  | | **4,602.04** | | **4.69** | |
| **Gross Power Purchase** | | **66,608.70** | |  | |  | |  | | **21,474.96** | | **3.18** | |
| **PGCIL Charges** | |  | |  | |  | |  | |  | |  | |
| *PGCIL SR and ER wheeling* | |  | |  | |  | |  | | 330.00 | |  | |
| *PGCIL- Reactive energy* | |  | |  | |  | |  | |  | |  | |
| **Total PGCIL charges** | | **-** | |  | |  | |  | | **330.00** | |  | |
| **TANTRANSCO Charges** | |  | |  | |  | |  | | **1,500.00** | |  | |
| **Total Power Purchase** | | **66,608.70** | |  | |  | |  | | **23,304.96** | | **3.50** | |

2012-13

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S  **Source** | **Quantum (MU)** | **Fixed Charges (Rs. Cr.)** | **Energy Charge (Rs. Crore)** | **Energy Charge (Rs./Unit)** | **Total Cost (Rs. Cr)** | **Rate (Rs/kWh)** |
| **Own Generating Stations** |  |  |  |  |  |  |
| Ennore TPS | 610.00 | 188.61 | 225.04 | 3.69 | 413.64 | 6.78 |
| Tuticorin TPS | 7,620.00 | 454.40 | 2,234.98 | 2.93 | 2,689.37 | 3.53 |
| Mettur TPS | 5,684.00 | 333.33 | 1,920.74 | 3.38 | 2,254.07 | 3.97 |
| North Chennai TPS | 4,634.00 | 379.09 | - | - | 379.09 | 0.82 |
| NCTPS Stage-II (Unit 1) | - | - | - | - | - | - |
| **Total Thermal** | **18,548.00** | **1,355.43** | **4,380.75** | **2.36** | **5,736.18** | **3.09** |
| TGTPS | 682.00 | 80.30 | 126.37 | 1.85 | 206.67 | 3.03 |
| KGTPS | 51.00 | 5.85 | 13.50 | 2.65 | 19.35 | 3.79 |
| BBGTPS | - | 45.58 | - | 20.85 | 45.58 | - |
| VGTPS (Unit 1 and 2) | 885.00 | 135.52 | 185.49 | 2.10 | 321.00 | 3.63 |
| **Total Gas** | **1,618.00** | **267.25** | **325.35** | **2.01** | **592.60** | **3.66** |
| Erode HEP | 464.00 | 146.20 |  |  | 146.20 | 3.15 |
| Kadamparai HEP | 368.08 | 71.19 |  |  | 71.19 | 1.93 |
| Kundah HEP | 1,353.00 | 205.60 |  |  | 205.60 | 1.52 |
| Tirunelveli HEP | 231.00 | 89.47 |  |  | 89.47 | 3.87 |
| **Total Hydro** | **2,416.08** | **512.46** |  |  | **512.46** | **2.12** |
| **Wind** | 13.00 |  | 3.00 |  | 3.00 | 2.31 |
| **Total from Own Generating** | **22,595.08** | **2,135.13** | **4,709.10** | **2.08** | **6,844.23** | **3.03** |
| **CGS** |  |  |  |  |  |  |
| NTPC SR (Ramagundam) (I&II) | 4,149.00 | 250.30 | 712.47 | 1.72 | 962.77 | 2.32 |
| NTPC SR (Ramagundam) III | 981.00 | 110.39 | 197.71 | 2.02 | 308.10 | 3.14 |
| NLC TS - I | 3,189.00 | 333.07 | 713.47 | 2.24 | 1,046.54 | 3.28 |
| NLC TS - II | 3,291.00 | 217.08 | 648.33 | 1.97 | 865.41 | 2.63 |
| NLC TS Expansion I | 1,629.00 | 218.51 | 294.72 | 1.81 | 513.23 | 3.15 |
| NTPC Talcher | 3,405.40 | 282.73 | 501.96 | 1.47 | 784.69 | 2.30 |
| NTPC Simhadri | 1,079.00 | 190.56 | 219.40 | 2.03 | 409.96 | 3.80 |
| MAPS | 1,775.00 | - | 360.68 | 2.03 | 360.68 | 2.03 |
| KAIGA | 1,261.00 | - | 424.69 | 3.37 | 424.69 | 3.37 |
| NTPC ER | 319.00 | 32.63 | 68.43 | 2.15 | 101.06 | 3.17 |
| NTPC Vallur Unit 1 & Unit 2 | 487.90 | 125.63 | 101.52 | 2.08 | 227.15 | 4.66 |
| **Total CGS** | **21,566.30** | **1,760.90** | **4,243.37** |  | **6,004.28** | **2.78** |
| **IPP** |  |  |  |  |  |  |
| GMR Vasavi | - | 167.15 | - | - | 167.15 | - |
| Samalpatti | - | 108.94 | - | - | 108.94 | - |
| Madurai Power Corpn | - | 109.59 | - | - | 109.59 | - |
| PPN | - | 291.51 | - | - | 291.51 | - |
| STCMS - Neyveli | 1,514.19 | 363.63 | 350.59 | 2.32 | 714.22 | 4.72 |
| LANCO Power (Aban co) | 850.00 | 117.51 | 169.94 | 2.00 | 287.45 | 3.38 |
| Penna | 375.00 | 57.82 | 76.67 | 2.04 | 134.49 | 3.59 |
| **Total IPP** | **2,739.19** | **1,216.15** | **597.19** |  | **1,813.34** | **6.62** |
| **Renewables** |  |  |  |  |  |  |
| Wind | 7,474.00 |  |  |  | 2,549.00 | 3.41 |
| Biomass | 11.00 |  |  |  | 5.00 | 4.55 |
| Cogeneration | 1,428.00 |  |  |  | 534.00 | 3.74 |
| Captive | 595.00 |  |  |  | 224.00 | 3.76 |
| Solar | 45.00 |  |  |  | 22.00 | 4.89 |
| **Total Renewables** | **9,553.00** |  |  |  | **3,334.00** | **3.49** |
| **Other Sources** |  |  |  |  |  |  |
| Trading - Bilateral & Exchange | 6,935.00 |  |  |  | 3,557.00 | 5.13 |
| UI | 82.00 |  |  |  | 50.00 | 6.10 |
| **Total Other Sources** | **7,017.00** |  |  |  | **3,607.00** | **5.14** |
| **Gross Power Purchase** | **63,470.57** |  |  |  | **21,602.85** | **3.40** |
| **PGCIL Charges** |  |  |  |  |  |  |
| *PGCIL SR and ER wheeling* |  |  |  |  | 139.00 |  |
| *PGCIL- Reactive energy* |  |  |  |  |  |  |
| **Total PGCIL charges** | **-** |  |  |  | **139.00** | **-** |
| **TANTRANSCO Charges** |  |  |  |  | **2,381.18** |  |
| **Total Power Purchase** | **63,470.57** |  |  |  | **24,123.03** | **3.80** |

2013-14

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Source** | **Quantum (MU)** | **Fixed Charges (Rs. Cr.)** | **Energy Charge (Rs. Crore)** | **Energy Charge (Rs./Unit)** | **Total Cost (Rs. Cr)** | **Rate (Rs/kWh)** |
| **Own Generating Stations** |  |  |  |  |  |  |
| Ennore TPS | 1,011.31 | 277.65 | 350.84 | 3.47 | 628.48 | 6.21 |
| Tuticorin TPS | 7,252.62 | 496.71 | 2,273.84 | 3.14 | 2,770.55 | 3.82 |
| Mettur TPS | 5,928.10 | 349.69 | 2,435.02 | 4.11 | 2,784.71 | 4.70 |
| North Chennai TPS | 3,720.06 | 382.37 | - | - | 382.37 | 1.03 |
| NCTPS Stage-II (Unit 1) | - | 158.92 | - | - | 158.92 | - |
| MTPS Stage III | 1,840.00 | - | 537.16 | 2.92 | 537.16 | 2.92 |
| **Total Thermal** | **19,752.08** | **1,665.33** | **5,596.86** | **2.83** | **7,262.19** | **3.68** |
| TGTPS | 456.00 | 83.69 | 89.12 | 1.95 | 172.81 | 3.79 |
| KGTPS | 594.00 | 90.51 | 122.62 | 2.06 | 213.13 | 3.59 |
| BBGTPS | - | 47.99 | - | 17.37 | 47.99 | #DIV/0! |
| VGTPS (Unit 1 and 2) | 1,180.78 | 171.12 | 246.13 | 2.08 | 417.25 | 3.53 |
| **Total Gas** | **2,230.78** | **393.31** | **457.86** | **2.05** | **851.17** | **3.82** |
| Erode HEP | 902.00 | 221.39 |  |  | 221.39 | 2.45 |
| Kadamparai HEP | 558.56 | 78.22 |  |  | 78.22 | 1.40 |
| Kundah HEP | 2,186.52 | 208.24 |  |  | 208.24 | 0.95 |
| Tirunelveli HEP | 461.00 | 102.55 |  |  | 102.55 | 2.22 |
| **Total Hydro** | **4,108.08** | **610.40** |  |  | **610.40** | **1.49** |
| **Wind** | 12.58 |  | 3.00 |  | 3.00 | 2.38 |
| **Total from Own Generating** | **26,103.52** | **2,718.57** | **6,057.73** | **2.32** | **8,776.29** | **3.36** |
| **CGS** |  |  |  |  |  |  |
| NTPC SR (Ramagundam) (I&II) | 4,005.14 | 253.07 | 837.93 | 2.09 | 1,091.00 | 2.72 |
| NTPC SR (Ramagundam) III | 1,054.26 | 99.54 | 285.47 | 2.71 | 385.01 | 3.65 |
| NLC TS - I | 3,271.10 | 285.24 | 841.76 | 2.57 | 1,127.00 | 3.45 |
| NLC TS - II | 3,399.00 | 203.91 | 729.09 | 2.15 | 933.00 | 2.74 |
| NLC TS Expansion I | 1,584.00 | 189.83 | 351.17 | 2.22 | 541.00 | 3.42 |
| NTPC Talcher | 3,475.27 | 288.35 | 525.65 | 1.51 | 814.00 | 2.34 |
| NTPC Simhadri | 1,571.86 | 273.57 | 369.78 | 2.35 | 643.34 | 4.09 |
| MAPS | 1,332.06 | 53.94 | 272.06 | 2.04 | 326.00 | 2.45 |
| KAIGA | 1,581.07 | (0.49) | 475.49 | 3.01 | 475.00 | 3.00 |
| NTPC ER | 266.63 | 23.78 | 71.22 | 2.67 | 95.00 | 3.56 |
| NTPC Vallur Unit 1 & Unit 2 | 2,558.00 | 624.79 | 543.80 | 2.13 | 1,168.59 | 4.57 |
| Kudankulum | 462.00 | - | 475.00 | 10.28 | 475.00 |  |
| **Total CGS** | **24,560.40** | **2,295.53** | **5,778.41** | **2.35** | **8,073.95** | **3.29** |
| **IPP** |  |  |  |  |  |  |
| GMR Vasavi | - | 154.04 |  | - | 154.04 | - |
| Samalpatti | - | 93.06 |  | - | 93.06 | - |
| Madurai Power Corpn | - | 110.55 |  | - | 110.55 | - |
| PPN | 162.92 | 85.34 | 139.30 | 8.55 | 224.64 | 13.79 |
| STCMS - Neyveli | 1,721.11 | 436.51 | 398.49 | 2.32 | 835.00 | 4.85 |
| LANCO Power (Aban co) | 699.00 | 106.62 | 139.75 | 2.00 | 246.37 | 3.52 |
| Penna | 363.67 | 62.65 | 74.35 | 2.04 | 137.00 | 3.77 |
| **Total IPP** | **2,946.70** | **1,048.76** | **751.89** | **2.55** | **1,800.66** | **6.11** |
| **Renewables** |  |  |  |  |  |  |
| Wind | 5,110.00 |  |  |  | 1,310.00 | 2.56 |
| Biomass | 20.00 |  |  |  | 7.00 | 3.50 |
| Cogeneration | 803.00 |  |  |  | 291.00 | 3.62 |
| Captive | 2,383.00 |  |  |  | 155.00 | 0.65 |
| Solar | 20.00 |  |  |  | 9.00 | 4.50 |
| **Total Renewables** | **8,336.00** |  |  |  | **1,772.00** | **2.13** |
| **Other Sources** |  |  |  |  |  |  |
| Trading - Bilateral & Exchange | 3,597.00 |  |  |  | 1,420.00 | 3.95 |
| UI | (418.00) |  |  |  | 117.00 | -2.80 |
| STOA | 3,526.00 |  |  |  | 1,713.00 | 4.86 |
| Case 1 - Bidding (MTOA) | 3,465.00 |  |  |  | 1,728.00 | 4.99 |
| **Total Other Sources** | **10,170.00** |  |  |  | **4,978.00** | **4.89** |
| **Gross Power Purchase** | **72,116.61** |  |  |  | **25,351.36** | **3.52** |
| **PGCIL Charges** |  |  |  |  |  |  |
| *PGCIL SR and ER wheeling* |  |  |  |  | 2,219.00 |  |
| *PGCIL- Reactive energy* |  |  |  |  | - |  |
| **Total PGCIL charges** | **-** |  |  |  | **2,219.00** | **-** |
| **TANTRANSCO Charges** |  |  |  |  | **2,228.01** |  |
| **Total Power Purchase** | **72,116.61** |  |  |  | **29,798.37** | **4.13** |

2014-15

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Source** | **Quantum (MU)** | **Fixed Charges (Rs. Cr.)** | **Energy Charge**  **(Rs. Crore)** | **Energy Charge (Rs./Unit)** | **Total Cost (Rs. Cr)** | **Rate (Rs/kWh)** |
| **Own Generating Stations** |  |  |  |  |  |  |
| Ennore TPS | 485.00 | 243.76 | 181.59 | 3.74 | 425.35 | 8.77 |
| Tuticorin TPS | 7,043.00 | 591.08 | 2,504.51 | 3.56 | 3,095.59 | 4.40 |
| Mettur TPS | 5,697.00 | 810.94 | 2,397.82 | 4.21 | 3,208.76 | 5.63 |
| North Chennai TPS | 3,865.00 | 494.20 | 1,238.99 | 3.21 | 1,733.19 | 4.48 |
| NCTPS Stage-II (Unit 1) | 5,187.00 | (36.93) | 1,918.54 | 3.70 | 1,881.61 | 3.63 |
| MTPS Stage III | 2,802.00 | 667.50 | 871.41 | 3.11 | 1,538.91 | 5.49 |
| **Total Thermal** | **25,079.00** | **2,770.54** | **9,112.87** | **3.63** | **11,883.41** | **4.74** |
| TGTPS | 382.00 | 90.70 | 94.20 | 2.47 | 184.90 | 4.84 |
| KGTPS | 459.00 | (201.23) | 117.44 | 2.56 | -83.79 | -1.83 |
| BBGTPS | 3.00 | 63.12 | - | - | 63.12 | 210.38 |
| VGTPS (Unit 1 and 2) | 996.00 | 160.60 | 239.92 | 2.41 | 400.52 | 4.02 |
| **Total Gas** | **1,840.00** | **113.19** | **451.55** | **2.45** | **564.74** | **3.07** |
| Erode HEP | 946.00 | 312.27 |  |  | 312.27 | 3.30 |
| Kadamparai HEP | 531.24 | 84.82 |  |  | 84.82 | 1.60 |
| Kundah HEP | 2,028.00 | 223.34 |  |  | 223.34 | 1.10 |
| Tirunelveli HEP | 1,158.00 | 127.44 |  |  | 127.44 | 1.10 |
| **Total Hydro** | **4,663.24** | **747.87** |  |  | **747.87** | **1.60** |
| **Wind** | 7.81 |  | 2.00 |  | 2.00 | 2.56 |
| **Total from Own Generating** | **31,590.05** | **3,631.60** | **9,556.42** | **3.03** | **13,198.02** | **4.18** |
| **CGS** |  |  |  |  |  |  |
| NTPC SR (Ramagundam) (I&II) | 3,876.00 | 232.00 | 944.00 | 2.44 | 1,182.65 | 3.05 |
| NTPC SR (Ramagundam) III | 949.00 | 88.00 | 240.00 | 2.53 | 328.25 | 3.46 |
| NLC TS – I | 2,851.00 | 251.00 | 755.52 | 2.65 | 1,006.52 | 3.53 |
| NLC TS – II | 3,276.00 | 207.00 | 724.00 | 2.21 | 931.77 | 2.84 |
| NLC TS Expansion I | 1,671.00 | 225.00 | 349.00 | 2.09 | 573.62 | 3.43 |
| NTPC Talcher | 3,760.00 |  | 549.00 | 1.46 | 843.02 | 2.24 |
| NTPC Simhadri | 1,428.00 | 294.00 | 372.00 | 2.61 | 625.70 | 4.38 |
| MAPS | 1,672.00 |  | 344.00 | 2.06 | 344.50 | 2.06 |
| KAIGA | 1,568.00 |  | 475.00 | 3.03 | 474.86 | 3.03 |
| NTPC ER | 239.00 |  |  | - | 79.02 | 3.31 |
| NTPC Vallur Unit 1 & Unit 2 | 3,850.00 | 695.00 | 745.00 | 1.94 | 1,440.25 | 3.74 |
| Kudankulum | 2,169.00 |  | 541.00 | 2.49 | 541.43 | 2.50 |
| **Total CGS** | **27,309.00** | **1,992.00** | **6,038.52** |  | **8,371.57** | **3.07** |
| **IPP** |  |  |  |  |  |  |
| GMR Vasavi | - | 73.00 | - | - | 73.00 | - |
| Samalpatti | - | 82.00 | - | - | 82.00 | - |
| Madurai Power Corpn | - | 95.00 | - | - | 95.00 | - |
| PPN | - | 205.00 | - | - | 205.00 | - |
| STCMS - Neyveli | 1,678.00 | 344.00 | 431.00 | 2.57 | 773.83 | 4.61 |
| LANCO Power (Aban co) | 561.00 | 66.00 | 141.00 | 2.51 | 207.02 | 3.69 |
| Penna | 378.00 | 43.00 | 97.00 | 2.57 | 137.64 | 3.64 |
| **Total IPP** | **2,617.00** | **908.00** | **669.00** |  | **1,580.90** | **6.04** |
| **Renewables** |  |  |  |  |  |  |
| Wind | 3,963.00 |  |  |  | 1,303.00 | 3.29 |
| Biomass | 18.00 |  |  |  | 7.00 | 3.89 |
| Cogeneration | 1,508.00 |  |  |  | 779.00 | 5.17 |
| Captive | 2,972.00 |  |  |  | 1,432.00 | 4.82 |
| Solar | 25.00 |  |  |  | 12.00 | 4.80 |
| **Total Renewables** | **8,486.00** |  |  |  | **3,533.00** | **4.16** |
| **Other Sources** |  |  |  |  |  |  |
| Trading - Bilateral & Exchange | - |  |  |  | - | 5.30 |
| UI | (529.00) |  |  |  | (10.00) | 0.19 |
| STOA | 6,790.00 |  |  |  | 2,118.00 | 3.12 |
| Case 1 - Bidding (MTOA) | 2,296.74 |  |  |  | 1,448.50 | 6.31 |
| **Total Other Sources** | **8,557.74** |  |  |  | **3,556.50** | **4.16** |
| **Gross Power Purchase** | **78,559.79** |  |  |  | **30,239.99** | **3.85** |
| **PGCIL Charges** |  |  |  |  |  |  |
| *PGCIL SR and ER wheeling* |  |  |  |  | 978.00 |  |
| *PGCIL- Reactive energy* |  |  |  |  | - |  |
| **Total PGCIL charges** | **-** |  |  |  | **978.00** | **-** |
| **TANTRANSCO Charges** |  |  |  |  | **1,373.63** |  |
| **Total Power Purchase** | **78,559.79** |  |  |  | **32,591.62** | **4.15** |

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|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Source** | **Quantum (MU)** | **Fixed Charges (Rs. Cr.)** | **Energy Charge (Rs. Crore)** | **Energy Charge (Rs./Unit)** | **Total Cost (Rs. Cr)** | **Rate (Rs/kWh)** |
| **Own Generating Stations** |  |  |  |  |  |  |
| Ennore TPS | 392.00 | 216.98 | 149.88 | 3.82 | 366.86 | 9.36 |
| Tuticorin TPS | 6,501.00 | 667.51 | 2,113.77 | 3.25 | 2,781.28 | 4.28 |
| Mettur TPS | 5,406.00 | 504.14 | 1,863.38 | 3.45 | 2,367.52 | 4.38 |
| North Chennai TPS | 4,071.00 | 554.13 | 1,439.28 | 3.54 | 1,993.41 | 4.90 |
| NCTPS Stage-II (Unit 1) | 4,468.00 | 629.76 | 2,102.67 | 4.71 | 2,732.42 | 6.12 |
| MTPS Stage III | 2,664.00 | 1,219.36 | 632.22 | 2.37 | 1,851.58 | 6.95 |
| **Total Thermal** | **23,502.00** | **3,791.88** | **8,301.20** | **3.53** | **12,093.07** | **5.15** |
| TGTPS | 363.00 | 94.86 | 92.80 | 2.56 | 187.67 | 5.17 |
| KGTPS | 552.00 | 104.70 | 151.01 | 2.74 | 255.71 | 4.63 |
| BBGTPS | 11.00 | 61.54 | - | - | 61.54 | 55.94 |
| VGTPS (Unit 1 and 2) | 680.00 | 181.79 | 182.42 | 2.68 | 364.21 | 5.36 |
| **Total Gas** | **1,606.00** | **442.89** | **426.23** | **2.65** | **869.12** | **5.41** |
| Erode HEP | 756.00 | 328.81 |  |  | 328.81 | 4.35 |
| Kadamparai HEP | 478.00 | 86.41 |  |  | 86.41 | 1.81 |
| Kundah HEP | 1,695.00 | 230.45 |  |  | 230.45 | 1.36 |
| Tirunelveli HEP | 1,096.00 | 144.08 |  |  | 144.08 | 1.31 |
| **Total Hydro** | **4,025.00** | **789.74** | **-** |  | **789.74** | **1.78** |
| **Wind** | 6.79 |  | 2.00 |  | 2.00 | 2.95 |
| **Total from Own Generating** | **29,139.79** | **5,024.51** | **8,729.43** | **2.95** | **13,753.94** | **4.65** |
| **CGS** |  |  |  |  |  |  |
| NTPC SR (Ramagundam) (I&II) | 4,019.71 | 234.21 | 921.66 | 2.29 | 1,155.87 | 2.88 |
| NTPC SR (Ramagundam) III | 1,068.75 | 92.22 | 249.48 | 2.33 | 341.69 | 3.20 |
| NLC TS - I | 2,486.60 | 217.55 | 716.14 | 2.88 | 933.69 | 3.75 |
| NLC TS - II | 3,156.88 | 201.49 | 715.99 | 2.27 | 949.07 | 3.01 |
| NLC TS Expansion I | 1,629.40 | 217.56 | 365.06 | 2.24 | 582.61 | 3.58 |
| NLC TS Expansion II | 306.81 | 64.72 | 73.89 | 2.41 | 138.61 | 4.52 |
| NTPL (JV with NLC) | 1,299.41 | 212.58 | 302.45 | 2.33 | 515.03 | 3.96 |
| NTPC Talcher | 3,713.40 | 283.38 | 499.61 | 1.35 | 782.99 | 2.11 |
| NTPC Simhadri | 1,543.84 | 238.95 | 382.73 | 2.48 | 621.68 | 4.03 |
| MAPS | 2,090.87 |  | 435.39 | 2.08 | 435.39 | 2.08 |
| KAIGA | 1,869.06 |  | 569.33 | 3.05 | 569.33 | 3.05 |
| NTPC ER | 284.73 | 22.48 | 66.57 | 2.34 | 89.05 | 3.13 |
| NTPC Vallur Unit 1 & Unit 2 | 5,162.08 | 889.12 | 1,021.40 | 1.98 | 1,910.52 | 3.70 |
| Kudankulum | 1,046.54 |  | 412.86 | 3.94 | 412.86 | 3.94 |
| **Total CGS** | **29,678.09** | **2,674.26** | **6,732.56** |  | **9,438.39** | **3.18** |
| **IPP** |  |  |  |  |  |  |
| Samalpatti | - | 67.00 | - | - | 67.00 | - |
| Madurai Power Corpn | - | 75.57 | - | - | 75.57 | - |
| PPN | - | 259.09 | - | - | 259.09 | - |
| STCMS - Neyveli | 1,384.93 | 235.84 | 397.48 | 2.87 | 633.32 | 4.57 |
| LANCO Power (Aban co) | 620.22 | 64.50 | 160.07 | 2.58 | 224.57 | 3.62 |
| Penna | 178.67 | 16.07 | 47.58 | 2.66 | 63.65 | 3.56 |
| **Total IPP** | **2,183.82** | **718.07** | **605.13** | **2.77** | **1,323.20** | **6.06** |
| **Renewables** |  |  |  |  |  |  |
| Wind | 2,873.00 |  |  |  | 945.00 | 3.29 |
| Biomass | 21.39 |  |  |  | 10.00 | 4.67 |
| Cogeneration | 508.58 |  |  |  | 181.00 | 3.56 |
| Captive | 23.55 |  |  |  | 4.00 | 1.70 |
| Solar | 69.09 |  |  |  | 36.00 | 5.21 |
| **Total Renewables** | **3,495.62** |  |  |  | **1,176.00** | **3.36** |
| **Other Sources** |  |  |  |  |  |  |
| Trading - Bilateral & Exchange | 14,184.00 |  |  |  | 7,291.00 | 5.14 |
| UI | (230.76) |  |  |  | (43.00) | 1.86 |
| STOA | 3,428.52 |  |  |  | 1,731.60 | 5.05 |
| **Total Other Sources** | **17,381.76** |  |  |  | **8,979.60** | **5.17** |
| **Gross Power Purchase** | **81,879.07** |  | **26,012.12** | **3.18** | **34,671.12** | **4.23** |
| **PGCIL Charges** |  |  |  |  |  |  |
| *PGCIL SR and ER wheeling* |  |  |  |  | 900.00 |  |
| *PGCIL- Reactive energy* |  |  |  |  |  |  |
| **Total PGCIL charges** | **-** |  |  |  | **900.00** | **-** |
| **TANTRANSCO Charges** |  |  |  |  | **1,696.89** |  |
| **Total Power Purchase** | **81,879.07** |  |  | **-** | **37,268.01** | **4.55** |