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** |