



## **ANDHRA PRADESH ELECTRICITY REGULATORY COMMISSION**

Vidyut Niyantrana Bhavan, Adjacent to 220/132/33/11 KV AP Carbides SS,  
Dinnedevarapadu Road, Kurnool - 518 002, Andhra Pradesh.

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THURSDAY, THE TWENTY SIXTH DAY OF SEPTEMBER,  
TWO THOUSAND AND TWENTY-FOUR

:Present:

**Justice C.V. Nagarjuna Reddy, Chairman**

**Sri Thakur Rama Singh, Member**

**Sri P.V.R.Reddy Member**

### **ORDER**

In the matter of Determination of Pooled Cost of Power Purchase for FY 2022-23 to be considered for FY 2023-24 under the Renewable Power Purchase Obligation (Compliance by Purchase of Renewable Energy/Renewable Energy Certificates) Regulation, 2022 (Regulation 5 of 2022) in:

- O.P.No. 13 of 2024 - Eastern Power Distribution Company of Andhra Pradesh Limited (APEPDCL)
- O.P.No. 19 of 2024 - Andhra Pradesh Central Power Distribution Corporation Limited (APCPDCL)
- O.P.No. 20 of 2024 - Southern Power Distribution Company of Andhra Pradesh Limited (APSPDCL)

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#### **1. Introduction:**

The Commission notified the APERC Renewable Power Purchase Obligation (Compliance by Purchase of Renewable Energy/Renewable Energy Certificates) Regulations 2022 (Regulation No. 5 of 2022) on 29.09.2022. Clause 6.2(1)

requires the Commission to determine the Pooled Cost of Power Purchase for a given year based on petitions filed by DISCOMs.

The Pooled Cost of Power Purchase, expressed in Rs./kWh, is defined in Clause 2(j) of the Regulations as the weighted average pooled price at which the Distribution Licensee purchased electricity in the previous year from all long-term energy suppliers, excluding liquid fuel ,market purchases under renewable energy purchases from this calculation.

APEPDCL, APCPDCL, and APSPDCL filed petitions on 19.03.2024, 01.04.2024 and 06.04.2024, respectively, seeking approval for the determination of the Pooled Cost of Power Purchase for FY 2022-23, to be considered for FY 2023-24. These petitions were registered as O.P. Nos. 13, 19, and 20 of 2024. APSPDCL and APCPDCL have proposed the pooled cost at Rs.4.88 per unit and APEPDCL at Rs.4.89 per unit (Annexure I-III).

## **2. Public Notice and Objections:**

As per the directions of the Commission, the petitioners have caused paper publications on this matter, inviting objections by 10.06.2024. During the hearings on 12-06-2024, Sri P. Shiva Rao, Standing Counsel for the petitioners and DISCOM's representatives were present. The objectors, Sri M. Venugopala Rao and Sri U.M. Kumar (APTMA), requested additional time to file objections. They raised concerns about the public notice not being available on the Commission's website and pleaded with the Commission for public hearings. The Commission extended the time for filing objections, duly fixing the date for a public hearing on 11.09.2024 through virtual mode. It also directed the registry to upload the notice on the Commission's website's home page.

The principle objection of Sri Venugopala Rao and Sri Sri U.M. Kumar (APTMA) is that the inclusion of four Central Generating Stations (CGSs)—NTPC Kudgi Stage-1, NTECL Vallur, NTPL (NLC Tamil Nadu), and NLC NNTPS—in the pooled cost calculation is against the Commission's Order. Sri M.Venugopala Roa argued that these stations had been excluded from the FY 2022-23 retail supply tariff order due to their high tariffs, and their inclusion would inflate the pooled

cost, increasing burden on the consumers. During the public hearing on 11-09-2024, both objectors reiterated their concerns.

### **3. Commission's Analysis and Decision:**

The Commission examined the data submitted by the DISCOMs and compared it with the Retail Supply Tariff order dated 30.03.2022 for FY 2022-23. The inclusion of the four high-cost Central Generating Stations (CGSs) in the pooled cost is contrary to the directions of the Commission in the Retail Supply Tariff order for FY 2022-23, which had excluded them due to their high tariffs. The Commission, therefore, has decided to exclude NTPC Kudgi Stage-1, NTECL Vallur, NTPL (NLC Tamil Nadu), and NLC NNTPS from the pooled cost calculation. **However, nothing in this Order shall affect the Commission's power to decide on each station's power purchase cost while deciding FPPCA claims for FY 2022-23. The FPPCA claims for FY 2022-23 were filed by DISCOMS, which is under the Commission's scrutiny and is to be decided following the due regulatory process.** The DISCOMS have also included APGENCO Hydel in their pooled cost calculation. However, the Commission has excluded the APGENCO Hydel from the pooled cost calculation as the same falls under Renewable Sources as per the definition in Regulation 5 of 2022. Further, although APEPDCL, APSPDCL, and APCPDCL filed separate petitions, the Commission has decided to determine a uniform Pooled Cost of Power Purchase by clubbing the power purchases of the three DISCOMs.

### **4. Determination of Pooled Cost:**

Having regard to the data furnished by the Discoms and in terms of Regulations 5 of 2022, the Commission has determined the Pooled Cost of Power Purchase for FY 2022-23 at Rs. 5.12 /kWh. The computation sheet is shown in the Annexure-IV to this Order.

### **5. Conclusion:**

This Order determines the Pooled Cost of Power Purchase for FY 2022-23, applicable for FY 2023-24, at Rs. 5.12/kWh. The difference between the

provisional pooled cost paid and the final pooled cost determined in this Order shall be paid/deducted, as the case may be, to/from the developers in three equal monthly instalments starting from the billing month of October 2024.

**6.** In terms of the above, all three petitions are disposed of.

**Sd/-  
P.V.R.Reddy  
Member**

**Sd/-  
Justice C.V. Nagarjuna Reddy  
Chairman**

**Sd/-  
Thakur Rama Singh  
Member**



## ANNEXURE-1

**APEPDCL POOLED COST for the FY 2022-23 to be considered in FY 2023-24**

| Station                                                    | Energy (MU)    | Amount (Rs.Crs.) |                 |                 | VC Rate/ kwh | FC Rate/ kwh | Avg. Rate/ kwh |
|------------------------------------------------------------|----------------|------------------|-----------------|-----------------|--------------|--------------|----------------|
|                                                            |                | Fixed Cost       | Variable Cost   | Total Cost      |              |              |                |
| <b>CGS :</b>                                               |                |                  |                 |                 |              |              |                |
| NTECL Vallur Thermal Power                                 | 200.76         | 41.67            | 69.81           | 111.48          | 3.48         | 2.08         | 5.55           |
| NLC -Stage - I                                             | 81.24          | 9.72             | 22.18           | 31.89           | 2.73         | 1.20         | 3.93           |
| NLC -Stage - II                                            | 161.75         | 18.63            | 44.29           | 62.92           | 2.74         | 1.15         | 3.89           |
| NLC TPS I EXP)                                             | 2.65           | 0.30             | 0.65            | 0.95            | 2.47         | 1.14         | 3.61           |
| NLC TPS II EXP                                             | 1.01           | 0.22             | 0.26            | 0.48            | 2.62         | 2.18         | 4.81           |
| NPC (MAPS)                                                 | 21.49          | 0                | 5.65            | 5.646           | 2.63         | 0.00         | 2.63           |
| NPC (Kaiga Unit-I,II & III)                                | 318.28         | 0                | 112.51          | 112.514         | 3.54         | 0.00         | 3.54           |
| NPCIL(Kudankulam)                                          | 2.31           | 0                | 1.01            | 1.013           | 4.39         | 0.00         | 4.39           |
| NLC Tamilnadu Power Ltd Stage.1                            | 254.73         | 47.18            | 105.88          | 153.06          | 4.16         | 1.85         | 6.01           |
| NLC NNTPS (New Thermal Station)                            | 130.67         | 24.04            | 28.78           | 52.82           | 2.20         | 1.84         | 4.04           |
| NTPC NVVNL Bundled Power (Only COAL)                       | 81.82          | 13.67            | 34.95           | 48.63           | 4.27         | 1.67         | 5.94           |
| <b>CGS other than NTPC ( 1)</b>                            | <b>1256.71</b> | <b>155.44</b>    | <b>425.97</b>   | <b>581.41</b>   | <b>3.39</b>  | <b>1.24</b>  | <b>4.63</b>    |
| NTPC (SR) Ramagundam St.I&II                               | 727.16         | 58.59            | 300.82          | 359.41          | 4.14         | 0.81         | 4.94           |
| NTPC (SR) Simhadri Stage 1                                 | 1169.97        | 200.30           | 525.24          | 725.54          | 4.49         | 1.71         | 6.20           |
| NTPC (SR) Simhadri Stage 2                                 | 492.61         | 112.44           | 214.90          | 327.34          | 4.36         | 2.28         | 6.65           |
| NTPC (SR) Talcher St.II                                    | 476.38         | 59.63            | 92.20           | 151.83          | 1.94         | 1.25         | 3.19           |
| NTPC (SR) Ramagundam St.III                                | 164.36         | 14.87            | 63.17           | 78.04           | 3.84         | 0.90         | 4.75           |
| NTPC Kudgi Stage-I (New Thermal Station)                   | 444.60         | 100.565<br>1223  | 253.6141<br>075 | 354.1792<br>298 | 5.70         | 2.26         | 7.97           |
| <b>Total NTPC (2)</b>                                      | <b>3475.07</b> | <b>546.40</b>    | <b>1449.94</b>  | <b>1996.34</b>  | 4.17         | 1.57         | 5.74           |
| <b>Sub Total 3 (1+2)</b>                                   | <b>4731.78</b> | <b>701.84</b>    | <b>1875.91</b>  | <b>2577.75</b>  | 3.96         | 1.48         | 5.45           |
| <b>A = CGS TOTAL</b>                                       | <b>4731.78</b> | <b>701.84</b>    | <b>1875.91</b>  | <b>2577.75</b>  | <b>3.96</b>  | <b>1.48</b>  | <b>5.45</b>    |
| <b>SGS</b>                                                 |                |                  |                 |                 |              |              |                |
| APPDCL                                                     | 2015.72        | 535.43           | 651.41          | 1186.85         | 3.23         | 2.66         | 5.89           |
| Godavari Gas Power Plant (Now Own Source previously GVK-I) | 82.58          | 10.86            | 48.06           | 58.92           | 5.82         | 1.31         | 7.14           |
| <b>Sub-Total</b>                                           | <b>2098.31</b> | <b>546.29</b>    | <b>699.48</b>   | <b>1245.77</b>  | <b>3.33</b>  | <b>2.60</b>  | <b>5.94</b>    |
| <b>APGenco :</b>                                           |                |                  |                 |                 |              |              |                |
| Dr.NTTPS                                                   | 2497.48        | 229.77           | 981.06          | 1210.83         | 3.93         | 0.92         | 4.85           |
| Dr.NTTPS St.IV                                             | 1169.84        | 103.83           | 420.86          | 524.69          | 3.60         | 0.89         | 4.49           |
| RTPP-I                                                     | 685.27         | 74.18            | 293.81          | 367.99          | 4.29         | 1.08         | 5.37           |
| RTPP-ST II                                                 | 898.78         | 95.58            | 386.81          | 482.39          | 4.30         | 1.06         | 5.37           |

|                                                |                 |                |                |                |             |             |             |
|------------------------------------------------|-----------------|----------------|----------------|----------------|-------------|-------------|-------------|
| RTPP -ST III                                   | 440.88          | 61.77          | 190.08         | 251.85         | 4.31        | 1.40        | 5.71        |
| RTPP -ST IV                                    | 1038.85         | 194.97         | 419.92         | 614.89         | 4.04        | 1.88        | 5.92        |
| <b>Subtotal AP Genco-Thermal</b>               | <b>6731.09</b>  | <b>760.10</b>  | <b>2692.54</b> | <b>3452.65</b> | <b>4.00</b> | <b>1.13</b> | <b>5.13</b> |
| <b>Hydel-AP Genco</b>                          | 1530.55         | 227.50         | <b>0</b>       | <b>227.50</b>  | <b>1.49</b> | <b>0.00</b> | <b>1.49</b> |
| <b>AP Genco Total</b>                          | <b>8261.65</b>  | <b>987.60</b>  | <b>2692.54</b> | <b>3680.14</b> | 3.26        | 1.20        | 4.45        |
| <b>B = SGS Total</b>                           | <b>10359.95</b> | <b>1533.89</b> | <b>3392.02</b> | <b>4925.91</b> | <b>3.27</b> | <b>1.48</b> | <b>4.75</b> |
| <b>IPPs:</b>                                   |                 |                |                |                |             |             |             |
| Thermal Powertech Corporation India (Sembcorp) | 874.74          | 133.90         | 222.52         | 356.43         | 2.54        | 1.53        | 4.07        |
| Hinduja National Power Corpn.Ltd.(HNPCL)       | 1641.96         | 222.34         | 505.88         | 728.22         | 3.08        | 1.35        | 4.44        |
| <b>C = IPPs Sub Total</b>                      | <b>2516.70</b>  | <b>356.24</b>  | <b>728.40</b>  | <b>1084.65</b> | <b>2.89</b> | <b>1.42</b> | <b>4.31</b> |
| <b>TOTAL ( A+B+C)</b>                          | <b>17608.44</b> | <b>2591.97</b> | <b>5996.34</b> | <b>8588.31</b> | <b>3.41</b> | <b>1.47</b> | <b>4.88</b> |



## ANNEXURE-II

**APCPDCL POOLED COST for the FY 2022-23 to be considered in FY 2023-24**

| Station                                                    | Energy (MU)    | Amount (Rs.Crs.) |                 |                | VC Rate/kwh | FC Rate/kwh | Avg. Rate/kwh |
|------------------------------------------------------------|----------------|------------------|-----------------|----------------|-------------|-------------|---------------|
|                                                            |                | Fixed Cost       | Variable Cost   | Total Cost     |             |             |               |
| <b>CGS :</b>                                               |                |                  |                 |                |             |             |               |
| NTECL Vallur Thermal Power                                 | 129.37         | 26.85            | 44.98           | 71.83          | 3.48        | 2.08        | 5.55          |
| NLC -Stage - I                                             | 52.35          | 6.26             | 14.29           | 20.55          | 2.73        | 1.20        | 3.93          |
| NLC -Stage - II                                            | 104.23         | 12.01            | 28.54           | 40.55          | 2.74        | 1.15        | 3.89          |
| NLC TPS I EXP)                                             | 1.71           | 0.19             | 0.42            | 0.62           | 2.47        | 1.14        | 3.61          |
| NLC TPS II EXP                                             | 0.65           | 0.14             | 0.17            | 0.31           | 2.62        | 2.18        | 4.81          |
| NPC (MAPS)                                                 | 13.85          | 0                | 3.64            | 3.636          | 2.63        | 0.00        | 2.63          |
| NPCIL(Kudankulam)                                          | 1.49           | 0                | 0.65            | 0.653          | 4.39        | 0.00        | 4.39          |
| NPC (Kaiga Unit-I,II & III)                                | 205.10         | 0                | 72.50           | 72.50          | 3.54        | 0.00        | 3.54          |
| NLC Tamilnadu Power Ltd Stage.1                            | 164.15         | 30.40            | 68.23           | 98.63          | 4.16        | 1.85        | 6.01          |
| NLC NNTPS (New Thermal Station)                            | 84.20          | 15.49            | 18.55           | 34.04          | 2.20        | 1.84        | 4.04          |
| NTPC NVVNL Bundled Power (Only COAL)                       | 52.73          | 8.84             | 22.52           | 31.36          | 4.27        | 1.68        | 5.95          |
| <b>CGS other than NTPC ( 1)</b>                            | <b>809.82</b>  | <b>100.19</b>    | <b>274.49</b>   | <b>374.68</b>  | <b>3.39</b> | <b>1.24</b> | <b>4.63</b>   |
| NTPC (SR) Ramagundam St.I&II                               | 468.58         | 37.76            | 193.84          | 231.60         | 4.14        | 0.81        | 4.94          |
| NTPC (SR) Simhadri Stage 1                                 | 753.92         | 130.22           | 338.46          | 468.69         | 4.49        | 1.73        | 6.22          |
| NTPC (SR) Simhadri Stage 2                                 | 317.43         | 73.75            | 138.48          | 212.23         | 4.36        | 2.32        | 6.69          |
| NTPC (SR) Talcher St.II                                    | 306.98         | 38.56            | 59.41           | 97.97          | 1.94        | 1.26        | 3.19          |
| NTPC (SR) Ramagundam St.III                                | 105.91         | 9.58             | 40.71           | 50.29          | 3.84        | 0.90        | 4.75          |
| NTPC Kudgi Stage-I (New Thermal Station)                   | 286.50         | 64.8036<br>982   | 163.427<br>7548 | 228.231<br>453 | 5.70        | 2.26        | 7.97          |
| <b>Total NTPC (2)</b>                                      | <b>2239.32</b> | <b>354.68</b>    | <b>934.34</b>   | <b>1289.01</b> | 4.17        | 1.58        | 5.76          |
| <b>Sub Total 3 (1+2)</b>                                   | <b>3049.14</b> | <b>454.86</b>    | <b>1208.83</b>  | <b>1663.69</b> | 3.96        | 1.49        | 5.46          |
| <b>A = CGS TOTAL</b>                                       | <b>3049.14</b> | <b>454.86</b>    | <b>1208.83</b>  | <b>1663.69</b> | <b>3.96</b> | <b>1.49</b> | <b>5.46</b>   |
| <b>SGS</b>                                                 |                |                  |                 |                |             |             |               |
| APPDCL                                                     | 1298.92        | 356.20           | 419.77          | 775.97         | 3.23        | 2.74        | 5.97          |
| Godavari Gas Power Plant (Now Own Source previously GVK-I) | 53.22          | 7.00             | 30.97           | 37.97          | 5.82        | 1.31        | 7.14          |
| <b>Sub-Total</b>                                           | <b>1352.14</b> | <b>363.20</b>    | <b>450.74</b>   | <b>813.94</b>  | <b>3.33</b> | <b>2.69</b> | <b>6.02</b>   |
| <b>APGenco :</b>                                           |                |                  |                 |                |             |             |               |
| Dr.NTTPS                                                   | 1609.36        | 148.06           | 632.19          | 780.26         | 3.93        | 0.92        | 4.85          |
| Dr.NTTPS St.IV                                             | 753.84         | 66.91            | 271.20          | 338.11         | 3.60        | 0.89        | 4.49          |
| RTPP-I                                                     | 441.58         | 47.80            | 189.33          | 237.13         | 4.29        | 1.08        | 5.37          |
| RTPP-ST II                                                 | 579.17         | 61.59            | 249.26          | 310.85         | 4.30        | 1.06        | 5.37          |

|                                                |                 |                |                |                |             |             |             |
|------------------------------------------------|-----------------|----------------|----------------|----------------|-------------|-------------|-------------|
| RTPP -ST III                                   | 284.10          | 39.80          | 122.48         | 162.29         | 4.31        | 1.40        | 5.71        |
| RTPP -ST IV                                    | 669.43          | 125.63         | 270.60         | 396.23         | 4.04        | 1.88        | 5.92        |
| <b>Subtotal AP Genco-Thermal</b>               | <b>4337.49</b>  | <b>489.81</b>  | <b>1735.06</b> | <b>2224.87</b> | <b>4.00</b> | <b>1.13</b> | <b>5.13</b> |
| <b>Hydel-AP Genco</b>                          | 986.28          | 146.60         | <b>0</b>       | <b>146.60</b>  | <b>1.49</b> | <b>0.00</b> | <b>1.49</b> |
| <b>AP Genco Total</b>                          | <b>5323.77</b>  | <b>636.40</b>  | <b>1735.06</b> | <b>2371.47</b> | 3.26        | 1.20        | 4.45        |
| <b>B = SGS Total</b>                           | <b>6675.90</b>  | <b>999.60</b>  | <b>2185.80</b> | <b>3185.41</b> | <b>3.27</b> | <b>1.50</b> | <b>4.77</b> |
| <b>IPPs:</b>                                   |                 |                |                |                |             |             |             |
| Thermal Powertech Corporation India (Sembcorp) | 563.68          | 86.29          | 143.39         | 229.68         | 2.54        | 1.53        | 4.07        |
| Hinduja National Power Corpn.Ltd.(HNPCL)       | 1058.07         | 143.28         | 325.99         | 469.26         | 3.08        | 1.35        | 4.44        |
| <b>C = IPPs Sub Total</b>                      | <b>1621.75</b>  | <b>229.56</b>  | <b>469.38</b>  | <b>698.94</b>  | <b>2.89</b> | <b>1.42</b> | <b>4.31</b> |
| <b>TOTAL ( A+B+C)</b>                          | <b>11346.79</b> | <b>1684.03</b> | <b>3864.01</b> | <b>5548.04</b> | <b>3.41</b> | <b>1.48</b> | <b>4.89</b> |



## ANNEXURE-III

**APSPDCL POOLED COST for the FY 2022-23 to be considered in FY 2023-24**

| Station                                                    | Energy (MU)    | Amount (Rs.Crs.) |                |                | VC Rate/ kwh | FC Rate/ kwh | Avg. Rate/ kwh |
|------------------------------------------------------------|----------------|------------------|----------------|----------------|--------------|--------------|----------------|
|                                                            |                | Fixed Cost       | Variable Cost  | Total Cost     |              |              |                |
| <b>CGS :</b>                                               |                |                  |                |                |              |              |                |
| NTECL Vallur Thermal Power                                 | 224.15         | 46.52            | 77.94          | 124.46         | 3.48         | 2.08         | 5.55           |
| NLC -Stage - I                                             | 90.70          | 10.85            | 24.76          | 35.61          | 2.73         | 1.20         | 3.93           |
| NLC -Stage - II                                            | 180.60         | 20.80            | 49.45          | 70.25          | 2.74         | 1.15         | 3.89           |
| NLC TPS I EXP)                                             | 2.96           | 0.34             | 0.73           | 1.07           | 2.47         | 1.14         | 3.61           |
| NLC TPS II EXP                                             | 1.13           | 0.25             | 0.30           | 0.54           | 2.62         | 2.18         | 4.81           |
| NPC (MAPS)                                                 | 24.00          | 0                | 6.30           | 6.304          | 2.63         | 0.00         | 2.63           |
| NPCIL(Kudankulam)                                          | 2.57           | 0                | 1.13           | 1.131          | 4.39         | 0.00         | 4.39           |
| NPC (Kaiga Unit-I,II & III)                                | 355.36         | 0                | 125.62         | 125.62         | 3.54         | 0.00         | 3.54           |
| NLC Tamilnadu Power Ltd Stage.1                            | 284.41         | 52.68            | 118.21         | 170.89         | 4.16         | 1.85         | 6.01           |
| NLC NNTPS (New Thermal Station)                            | 145.90         | 26.84            | 32.14          | 58.98          | 2.20         | 1.84         | 4.04           |
| NTPC NVVNL Bundled Power (Only COAL)                       | 91.35          | 15.84            | 39.03          | 54.87          | 4.27         | 1.73         | 6.01           |
| <b>CGS other than NTPC ( 1)</b>                            | <b>1403.13</b> | <b>174.12</b>    | <b>475.60</b>  | <b>649.72</b>  | <b>3.39</b>  | <b>1.24</b>  | <b>4.63</b>    |
| NTPC (SR) Ramagundam St.I&II                               | 811.89         | 65.42            | 335.86         | 401.28         | 4.14         | 0.81         | 4.94           |
| NTPC (SR) Simhadri Stage 1                                 | 1306.29        | 225.28           | 586.44         | 811.71         | 4.49         | 1.72         | 6.21           |
| NTPC (SR) Simhadri Stage 2                                 | 550.00         | 127.38           | 239.94         | 367.32         | 4.36         | 2.32         | 6.68           |
| NTPC (SR) Talcher St.II                                    | 531.88         | 66.76            | 102.94         | 169.71         | 1.94         | 1.26         | 3.19           |
| NTPC (SR) Ramagundam St.III                                | 183.50         | 16.60            | 70.53          | 87.14          | 3.84         | 0.90         | 4.75           |
| NTPC Kudgi Stage-I (New Thermal Station)                   | 496.40         | 112.28           | 283.16         | 395.44         | 5.70         | 2.26         | 7.97           |
| <b>Total NTPC (2)</b>                                      | <b>3879.95</b> | <b>613.72</b>    | <b>1618.88</b> | <b>2232.60</b> | 4.17         | 1.58         | 5.75           |
| <b>Sub Total 3 (1+2)</b>                                   | <b>5283.08</b> | <b>787.84</b>    | <b>2094.48</b> | <b>2882.32</b> | 3.96         | 1.49         | 5.46           |
| <b>A = CGS TOTAL</b>                                       | <b>5283.08</b> | <b>787.84</b>    | <b>2094.48</b> | <b>2882.32</b> | <b>3.96</b>  | <b>1.49</b>  | <b>5.46</b>    |
| <b>SGS</b>                                                 |                |                  |                |                |              |              |                |
| APPDCL                                                     | 2250.57        | 613.70           | 727.31         | 1341.00        | 3.23         | 2.73         | 5.96           |
| Godavari Gas Power Plant (Now Own Source previously GVK-I) | 92.21          | 12.12            | 53.66          | 65.79          | 5.82         | 1.31         | 7.14           |
| <b>Sub-Total</b>                                           | <b>2342.78</b> | <b>625.82</b>    | <b>780.97</b>  | <b>1406.79</b> | <b>3.33</b>  | <b>2.67</b>  | <b>6.00</b>    |
| <b>APGenco :</b>                                           |                |                  |                |                |              |              |                |
| Dr.NTTPS                                                   | 2788.46        | 256.54           | 1095.37        | 1351.91        | 3.93         | 0.92         | 4.85           |
| Dr.NTTPS St.IV                                             | 1306.14        | 115.93           | 469.90         | 585.82         | 3.60         | 0.89         | 4.49           |
| RTPP-I                                                     | 765.11         | 82.82            | 328.05         | 410.87         | 4.29         | 1.08         | 5.37           |
| RTPP-ST II                                                 | 1003.49        | 106.72           | 431.87         | 538.60         | 4.30         | 1.06         | 5.37           |

|                                                |                 |                |                |                |             |             |             |
|------------------------------------------------|-----------------|----------------|----------------|----------------|-------------|-------------|-------------|
| RTPP -ST III                                   | 492.25          | 68.97          | 212.22         | 281.19         | 4.31        | 1.40        | 5.71        |
| RTPP -ST IV                                    | 1159.89         | 217.68         | 468.85         | 686.53         | 4.04        | 1.88        | 5.92        |
| <b>Subtotal AP Genco-Thermal</b>               | <b>7515.33</b>  | <b>848.66</b>  | <b>3006.25</b> | <b>3854.91</b> | <b>4.00</b> | <b>1.13</b> | <b>5.13</b> |
| <b>Hydel-AP Genco</b>                          | 1708.88         | 254.00         | <b>0</b>       | <b>254.00</b>  | <b>1.49</b> | <b>0.00</b> | <b>1.49</b> |
| <b>AP Genco Total</b>                          | <b>9224.21</b>  | <b>1102.67</b> | <b>3006.25</b> | <b>4108.92</b> | 3.26        | 1.20        | 4.45        |
| <b>B = SGS Total</b>                           | <b>11566.99</b> | <b>1728.49</b> | <b>3787.23</b> | <b>5515.71</b> | <b>3.27</b> | <b>1.49</b> | <b>4.77</b> |
| <b>IPPs:</b>                                   |                 |                |                |                |             |             |             |
| Thermal Powertech Corporation India (Sembcorp) | 976.66          | 149.50         | 248.45         | 397.95         | 2.54        | 1.53        | 4.07        |
| Hinduja National Power Corpn.Ltd.(HNPCL)       | 1833.27         | 248.25         | 564.82         | 813.07         | 3.08        | 1.35        | 4.44        |
| <b>C = IPPs Sub Total</b>                      | <b>2809.92</b>  | <b>397.75</b>  | <b>813.27</b>  | <b>1211.02</b> | <b>2.89</b> | <b>1.42</b> | <b>4.31</b> |
| <b>TOTAL ( A+B+C)</b>                          | <b>19660.00</b> | <b>2914.08</b> | <b>6694.97</b> | <b>9609.05</b> | <b>3.41</b> | <b>1.48</b> | <b>4.89</b> |



**ANNEXURE - IV****APDISCOMs Pooled Cost of Power Purchase for FY 2022-23 (To be considered for FY 2023-24)**

| Station                                  | Energy (MU)     | Amount (Rs.Crs.) |                |                | VC Rate/kwh | FC Rate/kwh | Avg. Rate/kwh |
|------------------------------------------|-----------------|------------------|----------------|----------------|-------------|-------------|---------------|
|                                          |                 | Fixed Cost       | Variable Cost  | Total Cost     |             |             |               |
| <b>CGS :</b>                             |                 |                  |                |                |             |             |               |
| NTECL Vallur Thermal Power               | 0               | 0                | 0              | 0              | 0           | 0           | 0             |
| NLC -Stage - I                           | 224.29          | 26.83            | 61.23          | 88.06          | 2.73        | 1.20        | 3.93          |
| NLC -Stage - II                          | 446.58          | 51.45            | 122.27         | 173.72         | 2.74        | 1.15        | 3.89          |
| NLC TPS I EXP)                           | 7.31            | 0.83             | 1.80           | 2.64           | 2.47        | 1.14        | 3.61          |
| NLC TPS II EXP                           | 2.78            | 0.61             | 0.73           | 1.34           | 2.62        | 2.18        | 4.81          |
| NPC (MAPS)                               | 59.34           | 0.00             | 15.59          | 15.59          | 2.63        | 0.00        | 2.63          |
| NPCIL(Kudankulam)                        | 322.34          | 0.00             | 114.30         | 114.30         | 3.55        | 0.00        | 3.55          |
| NPC (Kaiga Unit-I,II & III)              | 562.77          | 0.00             | 199.14         | 199.14         | 3.54        | 0.00        | 3.54          |
| NLC Tamilnadu Power Ltd Stage.1          | 0               | 0                | 0              | 0              | 0           | 0           | 0             |
| NLC NNTPS (New Thermal Station)          | 0               | 0                | 0              | 0              | 0           | 0           | 0             |
| NTPC NVVNL Bundled Power (Only COAL)     | 225.90          | 38.35            | 96.50          | 134.85         | 4.27        | 1.70        | 5.97          |
| <b>CGS other than NTPC ( 1)</b>          | <b>1851.31</b>  | <b>118.06</b>    | <b>611.56</b>  | <b>729.63</b>  | <b>3.30</b> | <b>0.64</b> | <b>3.94</b>   |
| NTPC (SR) Ramagundam St.I&II             | 2007.63         | 161.76           | 830.52         | 992.29         | 4.14        | 0.81        | 4.94          |
| NTPC (SR) Simhadri Stage 1               | 3230.18         | 555.80           | 1450.14        | 2005.95        | 4.49        | 1.72        | 6.21          |
| NTPC (SR) Simhadri Stage 2               | 1360.04         | 313.58           | 593.31         | 906.89         | 4.36        | 2.31        | 6.67          |
| NTPC (SR) Talcher St.II                  | 1315.23         | 164.95           | 254.56         | 419.51         | 1.94        | 1.25        | 3.19          |
| NTPC (SR) Ramagundam St.III              | 453.77          | 41.06            | 174.41         | 215.47         | 3.84        | 0.90        | 4.75          |
| NTPC Kudgi Stage-I (New Thermal Station) | 0               | 0                | 0              | 0              | 0           | 0           | 0             |
| <b>Total NTPC (2)</b>                    | <b>8366.85</b>  | <b>1237.15</b>   | <b>3302.95</b> | <b>4540.10</b> | 3.95        | 1.48        | 5.43          |
| <b>Sub Total 3 (1+2)</b>                 | <b>10218.16</b> | <b>1355.21</b>   | <b>3914.51</b> | <b>5269.72</b> | 3.83        | 1.33        | 5.16          |
| <b>A = CGS TOTAL</b>                     | <b>10218.16</b> | <b>1355.21</b>   | <b>3914.51</b> | <b>5269.72</b> | <b>3.83</b> | <b>1.33</b> | <b>5.16</b>   |
| <b>SGS</b>                               |                 |                  |                |                |             |             |               |
| APPDCL                                   | 5565.22         | 1505.33          | 1798.49        | 3303.82        | 3.23        | 2.70        | 5.94          |

|                                                               |                 |                |                 |                 |             |             |             |
|---------------------------------------------------------------|-----------------|----------------|-----------------|-----------------|-------------|-------------|-------------|
| Godavari Gas Power Plant<br>(Now Own Source previously GVK-I) | 228.01          | 29.98          | 132.70          | 162.68          | 5.82        | 1.31        | 7.14        |
| <b>Subtotal other than APGENCO (Govt.)(4)</b>                 | <b>5793.22</b>  | <b>1535.31</b> | <b>1931.19</b>  | <b>3466.50</b>  | <b>3.33</b> | <b>2.65</b> | <b>5.98</b> |
| <b>APGenco :</b>                                              |                 |                |                 |                 |             |             |             |
| Dr.NTTPS                                                      | 6895.30         | 634.38         | 2708.62         | 3343.00         | 3.93        | 0.92        | 4.85        |
| Dr.NTTPS St.IV                                                | 3229.82         | 286.66         | 1161.96         | 1448.62         | 3.60        | 0.89        | 4.49        |
| RTPP-I                                                        | 1891.95         | 204.81         | 811.19          | 1016.00         | 4.29        | 1.08        | 5.37        |
| RTPP-ST II                                                    | 2481.44         | 263.90         | 1067.94         | 1331.84         | 4.30        | 1.06        | 5.37        |
| RTPP -ST III                                                  | 1217.22         | 170.54         | 524.78          | 695.32          | 4.31        | 1.40        | 5.71        |
| RTPP -ST IV                                                   | 2868.18         | 538.28         | 1159.37         | 1697.65         | 4.04        | 1.88        | 5.92        |
| <b>Subtotal AP Genco-Thermal (5A)</b>                         | <b>18583.91</b> | <b>2098.57</b> | <b>7433.86</b>  | <b>9532.43</b>  | <b>4.00</b> | <b>1.13</b> | <b>5.13</b> |
| <b>Hydel-AP Genco (5B)</b>                                    | <b>0</b>        | <b>0</b>       | <b>0</b>        | <b>0</b>        | <b>0</b>    | <b>0</b>    | <b>0</b>    |
| <b>AP Genco Total (5=5A+5B)</b>                               | <b>18583.91</b> | <b>2098.57</b> | <b>7433.86</b>  | <b>9532.43</b>  | <b>4.00</b> | <b>1.13</b> | <b>5.13</b> |
| <b>B = SGS Total (6=4+5)</b>                                  | <b>24377.14</b> | <b>3633.88</b> | <b>9365.05</b>  | <b>12998.93</b> | <b>3.84</b> | <b>1.49</b> | <b>5.33</b> |
| <b>IPPs:</b>                                                  |                 |                |                 |                 |             |             |             |
| Thermal Powertech Corporation India (Sembcorp)                | 2415.08         | 369.69         | 614.36          | 984.06          | 2.54        | 1.53        | 4.07        |
| Hinduja National Power Corpn.Ltd.(HNPCL)                      | 4533.30         | 613.87         | 1396.68         | 2010.55         | 3.08        | 1.35        | 4.44        |
| <b>C = IPPs Sub Total</b>                                     | <b>6948.38</b>  | <b>983.56</b>  | <b>2011.05</b>  | <b>2994.61</b>  | <b>2.89</b> | <b>1.42</b> | <b>4.31</b> |
| <b>TOTAL ( A+B+C)</b>                                         | <b>41543.67</b> | <b>5972.65</b> | <b>15290.61</b> | <b>21263.26</b> | <b>3.68</b> | <b>1.44</b> | <b>5.12</b> |