**Central Electricity Regulatory Commission**
**3rd & 4th Floor, Chanderlok Building, 36 Janpath, New Delhi–110 001**
(Tele No.23353503 Fax No.23753923)

No. Eco 2/2011-CERC New Delhi October 7, 2011

# NOTIFICATION

In pursuance of Clause 5.6 (vi) of Ministry of Power (MOP) Notification dated 19.01.2005 (as amended from time to time) on *Guidelines for Determination of Tariff by Bidding Process for Procurement of Power by Distribution Licensees*, the Central Electricity Regulatory Commission notifies the following rates and other parameters for the purpose of bid evaluation and payment.

**I: Annual Escalation Rates for Bid Evaluation (for bid opening up to 31.03.2012)**

| S.No | Description | Annual Escalation Rates for Bid Evaluation |
|---|---|---|
| 1 | Escalation rate for domestic coal | 6.66% |
| 2 | Escalation rate for domestic gas | 2.26% |
| 3 | Escalation rates for different escalable sub-components of energy charge for plants based on imported coal | |
| 3.1 | Escalation Rate for coal sub-component | 14.02% |
| 3.2 | Escalation Rate for transportation sub-component | 15.99% |
| 3.3 | Escalation Rate for inland handling sub-component | 5.21% |
| 4 | Escalation rate for inland transportation charges for coal | |
| 4.1 | Upto 100 Km distance | 2.38% |
| 4.2 | Upto 500 Km distance | 2.05% |
| 4.3 | Upto 1000 Km distance | 1.88% |
| 4.4 | Upto 2000 Km distance | 2.44% |
| 4.5 | Beyond 2000 Km distance | 2.55% |
| 5 | Escalation rate for inland transportation charges for gas | 2.97% |
| 6 | Escalation rates for different escalable sub-components of energy charge for plants based on imported gas | |
| 6.1 | Escalation Rate for gas sub-component | 12.55% |
| 6.2 | Escalation Rate for transportation of gas sub-component | 15.99% |
| 6.3 | Escalation Rate for inland handling sub-component | 5.21% |
| 7 | Inflation rate to be applied to indexed capacity charge Component | 5.21% |
| 8 | Inflation rate to be applied to indexed energy charge component in cases of captive fuel source | 5.57% |
| 9 | Discount rate to be used for bid evaluation | 10.74% |
| 10 | Dollar-Rupee exchange variation rate | 0.64% |
| 11 | Escalation for normative transmission charges | 3.91% |

**II: Annual Escalation Rates applicable for the purpose of payment as per the Power Purchase Agreement for the period between 01.10.2011 and 31.03.2012**

| S.No | Description | Annual Escalation Rates for Payment |
|---|---|---|
| 1 | Escalation rate for domestic coal | 38.21% |
| 2 | Escalation rate for domestic gas | -3.00% |
| 3 | Escalation rates for different escalable sub-components of energy charge for plants based on imported coal | |
| 3.1 | Escalation Rate for imported coal | 21.70% |
| 3.2 | Escalation Rate for transportation of imported coal | 56.44% |
| 3.3 | Escalation Rate for inland handling of imported coal | 9.00% |
| 4 | Escalation rates for inland transportation charges for coal | |
| 4.1 | Upto 100 Km distance | 0.00% |
| 4.2 | Upto 500 Km distance | 7.70% |
| 4.3 | Upto 1000 Km distance | 7.77% |
| 4.4 | Upto 2000 Km distance | 7.79% |
| 4.5 | Beyond 2000 Km distance | 7.78% |
| 5 | Escalation rates for inland transportation charges for gas | -30.55% |
| 6 | Escalation rates for different escalable sub-components of energy charge for plants based on imported gas | |
| 6.1 | Escalation Rate for imported gas | 54.85% |
| 6.2 | Escalation Rate for transportation of imported gas | 56.44% |
| 6.3 | Escalation Rate for inland handling of imported gas | 9.00% |
| 7 | Inflation rate to be applied to indexed capacity charge component. | 9.00% |
| 8 | Inflation rate to be applied to indexed energy charge component in cases of captive fuel source | 5.70% |

**III: Transmission Charges Matrix and Transmission Loss Matrix as per Format 5.10 & 5.11 of the RFP of Standard Bidding Document of Case-1 applicable between 01.10.2011 and 31.03.2012.**

| III-A: Transmission Charges Matrix | | |
|---|---|---|
| **S.No.** | **Injection/Drawal Node** | **Applicable Transmission Charges (₹/kWh)** |
| 1 | Maharastra Inj | 0.14 |
| 2 | Rajasthan W | 0.14 |
| 3 | DVC Inj | 0.14 |
| 4 | Maharastra W | 0.14 |
| 5 | Haryana W | 0.14 |
| 6 | Chattisgarh Inj | 0.14 |
| 7 | Punjab W | 0.14 |
| 8 | Uttar Pradesh W | 0.14 |

| | | |
|---|---|---|
| 9 | Sipat | 0.14 |
| 10 | Vindhyachal | 0.14 |
| 11 | Madhya Pradesh W | 0.14 |
| 12 | Uttarakhand W | 0.14 |
| 13 | Teesta | 0.12 |
| 14 | Kahalgaon | 0.12 |
| 15 | Rihand | 0.12 |
| 16 | NER W | 0.12 |
| 17 | Farakka | 0.12 |
| 18 | Singrauli | 0.12 |
| 19 | Delhi Inj | 0.12 |
| 20 | NER Inj | 0.12 |
| 21 | Korba | 0.12 |
| 22 | Orissa Inj | 0.10 |
| 23 | Gujarat W | 0.10 |
| 24 | Jharkhand W | 0.10 |
| 25 | Delhi W | 0.10 |
| 26 | Goa-WR W | 0.10 |
| 27 | Bhutan | 0.10 |
| 28 | Bihar W | 0.10 |
| 29 | HP Inj | 0.10 |
| 30 | Orissa W | 0.10 |
| 31 | Uttar Pradesh Inj | 0.10 |
| 32 | Nathpa Jhakri | 0.10 |
| 33 | Chamera 1 | 0.10 |
| 34 | Haryana Inj | 0.10 |
| 35 | Chattisgarh W | 0.10 |
| 36 | Chandigarh W | 0.10 |
| 37 | Sikkim W | 0.10 |
| 38 | West Bengal W | 0.10 |
| 39 | Gujarat Inj | 0.10 |
| 40 | DVC W | 0.10 |
| 41 | Jammu & Kashmir Inj | 0.10 |
| 42 | West Bengal Inj | 0.10 |
| 43 | Tehri | 0.10 |
| 44 | Jammu & Kashmir W | 0.10 |
| 45 | D&D W | 0.10 |
| 46 | Rajasthan Inj | 0.10 |
| 47 | DNH W | 0.10 |
| 48 | Dadri | 0.10 |
| 49 | HP W | 0.10 |

| | | |
|---|---|---|
| 50 | Punjab Inj | 0.10 |
| 51 | Chandigarh Inj | 0.10 |
| 52 | Uttarakhand Inj | 0.10 |
| 53 | Bihar Inj | 0.10 |
| 54 | Jharkhand Inj | 0.10 |
| 55 | Sikkim Inj | 0.10 |
| 56 | Madhya Pradesh Inj | 0.10 |
| 57 | Goa-WR Inj | 0.10 |
| 58 | D&D Inj | 0.10 |
| 59 | DNH Inj | 0.10 |
| 60 | Andhra Pradesh Inj | 0.15 |
| 61 | Karnataka W | 0.15 |
| 62 | Tamil Nadu W | 0.13 |
| 63 | Karnataka Inj | 0.13 |
| 64 | Andhra Pradesh W | 0.11 |
| 65 | Tamil Nadu Inj | 0.11 |
| 66 | Kerala W | 0.11 |
| 67 | Goa-SR W | 0.11 |
| 68 | Ramagundam | 0.11 |
| 69 | Injection from Talcher | 0.11 |
| 70 | Pondicherry W | 0.11 |
| 71 | Kerala Inj | 0.11 |
| 72 | Pondicherry Inj | 0.11 |
| 73 | Goa-SR Inj | 0.11 |

**III-B(i): Transmission Loss Matrix: Identifying Loss Category for Various Nodes**

| S.No. | Region | Injection/Drawal Node | Loss Category |
|---|---|---|---|
| 1 | Northern | Uttarakhand W | High |
| 2 | Northern | Rihand | High |
| 3 | Northern | Singrauli | High |
| 4 | Northern | UP W | High |
| 5 | Northern | Rajasthan W | High |
| 6 | Northern | Delhi W | Normal |
| 7 | Northern | UP Inj | Normal |
| 8 | Northern | Punjab W | Normal |
| 9 | Northern | Haryana W | Normal |
| 10 | Northern | Nathpa Jhakri | Low |
| 11 | Northern | Chandigarh W | Low |
| 12 | Northern | Chamera 1 | Low |

| | | | |
|---|---|---|---|
| 13 | Northern | Rajasthan Inj | Low |
| 14 | Northern | HP Inj | Low |
| 15 | Northern | Dadri | Low |
| 16 | Northern | Delhi Inj | Low |
| 17 | Northern | J&K Inj | Low |
| 18 | Northern | Tehri | Low |
| 19 | Northern | HP W | Low |
| 20 | Northern | J&K W | Low |
| 21 | Northern | Haryana Inj | Low |
| 22 | Northern | Punjab Inj | Low |
| 23 | Northern | Chandigarh Inj | Low |
| 24 | Northern | Uttarakhand Inj | Low |
| 25 | Western | Vindhyachal | High |
| 26 | Western | Korba | High |
| 27 | Western | Chhatisgarh Inj | High |
| 28 | Western | Sipat | High |
| 29 | Western | Madhya Pradesh W | Normal |
| 30 | Western | Maharashtra W | Normal |
| 31 | Western | Goa W | Normal |
| 32 | Western | Madhya Pradesh Inj | Low |
| 33 | Western | Gujarat W | Low |
| 34 | Western | Maharashtra Inj | Low |
| 35 | Western | D&D W | Low |
| 36 | Western | DNH W | Low |
| 37 | Western | Gujarat Inj | Low |
| 38 | Western | Chhatisgarh W | Low |
| 39 | Western | Goa Inj | Low |
| 40 | Western | D&D Inj | Low |
| 41 | Western | DNH Inj | Low |
| 42 | Eastern | Kahalgaon | High |
| 43 | Eastern | Teesta | High |
| 44 | Eastern | Farakka | High |
| 45 | Eastern | Bhutan | Normal |
| 46 | Eastern | Orissa Inj | Normal |
| 47 | Eastern | DVC Inj | Normal |
| 48 | Eastern | Bihar W | Normal |
| 49 | Eastern | West Bengal Inj | Normal |
| 50 | Eastern | Jharkhand W | Normal |
| 51 | Eastern | Sikkim W | Low |
| 52 | Eastern | West Bengal W | Low |

| | | | |
|---|---|---|---|
| 53 | Eastern | Orissa W | Low |
| 54 | Eastern | DVC W | Low |
| 55 | Eastern | Bihar Inj | Low |
| 56 | Eastern | Jharkhand Inj | Low |
| 57 | Eastern | Sikkim Inj | Low |
| 58 | Southern | Andhra Pradesh Inj | High |
| 59 | Southern | Tamilnadu W | High |
| 60 | Southern | Ramagundam | High |
| 61 | Southern | Karnataka W | Normal |
| 62 | Southern | Andhra Pradesh W | Normal |
| 63 | Southern | Kerala W | Normal |
| 64 | Southern | Karnataka Inj | Low |
| 65 | Southern | Goa W | Low |
| 66 | Southern | Taminadu Inj | Low |
| 67 | Southern | Injection at Talcher | Low |
| 68 | Southern | Pondy W | Low |
| 69 | Southern | Kerala Inj | Low |
| 70 | Southern | Pondy Inj | Low |
| 71 | Southern | Goa Inj | Low |
| 72 | North-Eastern | NER Inj | Normal |
| 73 | North-Eastern | NER W | Normal |

| **III-B(ii): Transmission Loss Matrix: Loss Figure in Percentage** | | | | |
|---|---|---|---|---|
| **S.No.** | **Region** | **Low Loss Category (%)** | **Normal Loss Category (%)** | **High Loss Category (%)** |
| 1 | Northern | 1.10 | 1.40 | 1.70 |
| 2 | Western | 1.58 | 1.88 | 2.18 |
| 3 | Eastern | 0.62 | 0.92 | 1.22 |
| 4 | North-East | 0.95 | 1.25 | 1.55 |
| 5 | Southern | 1.71 | 2.01 | 2.31 |

Sd/-
(Rajiv Bansal)
Secretary