

**CENTRAL ELECTRICITY REGULATORY COMMISSION  
NEW DELHI**

**Coram: Dr. Pramod Deo, Chairperson  
Shri S. Jayaraman, Member  
Shri V.S.Verma, Member  
Shri M.Deena Dayalan, Member**

**No. L-1/44/2010-CERC**

**Date of Order: 31.3.2012**

**In the matter of:**

Determination of POC rates and transmission losses in accordance with Regulation 17(2) of Central Electricity Regulatory Commission (Sharing of Inter State Transmission Charges and Losses) Regulations, 2010 as amended.

**And**

**In the matter of:**

1. National Load Despatch Centre, New Delhi
2. Central Transmission Utility, New Delhi

**..... Respondents**

**ORDER**

The Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations, 2010 (hereinafter "Sharing Regulations") came into effect from 1.7.2011.

2. National Load Dispatch Centre as the Implementing Agency has been entrusted with the responsibility for computation of transmission charges and losses under the Sharing Regulations for each financial year. Further, Regulation 17 of the Sharing Regulations provides that the Implementing Agency shall be required to provide the following information consequent to the computation of transmission charges and losses undertaken by it:

- (a) Approved Basic Network Data and Assumptions, if any;
- (b) Zonal or nodal transmission charges for the next financial year differentiated by block of months;
- (c) Zonal or nodal transmission losses data;
- (d) Schedule of charges payable by each constituent for the future Application Period, after undertaking necessary true-up of costs as per these regulations and detailed procedures.

4. The Implementing Agency in its letter No. POSOCO/Trans. Pricing/DICs dated 30.03.2012 has submitted following information in compliance with Regulation 17 of the Sharing Regulations:

- (a) Basic Network and load flow data approved by Validation Committee
- (b) Yearly Transmission Charge (YTC) details of ISTS Licensees
- (c) PoC rates and loss percentage computation details
- (d) Assumptions used for computation of PoC rates and Losses
- (e) Schedule of charges payable by each DIC for the year 2012-13(period April to September 2012.)
- (f) List of assets of other non-ISTS Licensees whose assets have been certified as being used for interstate transmission by the RPCs (Whose transmission charges have been considered for sharing along with the ISTS)

5. We have carefully examined the basic network data and assumptions, the results of the Load Flow Studies, the yearly transmission charges of the ISTS licensees and the calculation of POC charges for generation and demand zone submitted by the Implementing

Agency. We have also examined the calculation of losses on POC basis, average losses, final % losses applicable on generation and demand zones .We find that the calculations submitted by the Implementing Agency have been done as per the Sharing Regulations and amendments thereof.

6. The Commission by its order dated 30.3.2012 had approved slabs of POC rates for NEW grid and SR grid and also approved the slabs in transmission losses. The Implementing Agency after computation of POC rates and transmission losses for each injection and withdrawal zone has assigned them to different tiers of slabs. We have gone through the details furnished by Implementing Agency and find the same to be in order. We therefore, approve the applicable PoC slab rates for Long Term Access and Medium Term Open Access (MTOA) in ₹/MW/Month and rates for Short Term Open Access (STOA) in paisa per unit for each **Generation** (injection) zone and Demand (withdrawal) zone as per the details at **Annexure-I** to this order.

7. Similarly, we have examined the details of PoC losses in percentage for each Generation (injection) zone and Demand (withdrawal) zone and its applicable slab as per slabs approved by the Commission and have found them to be in order. We, therefore, approve the same as per the details at **Annexure –II** to this order. These average slabs for each region shall be applied based on last week's actual Regional Losses.

8. In exercise of power under Regulation 17(2) of Sharing Regulations, we approve the Basic Network, Load Flow, assumptions used for computation of the final POC rates and final transmission losses, the final POC rates and final transmission losses, their fitment into slabs and schedule of charges payable by each DIC for the first six months of the year 2012-

13, i.e. April to September 2012, computed by Implementing Agency. We also direct the Implementing Agency to publish zonal PoC Rates and zonal Transmission Losses and associated details that will enable a clear understanding of the calculations used for arriving at these rates, along with the underlying network information and base load flows used, in accordance with the Regulation 17(3) of Sharing Regulation.

9. In order to ensure a smooth changeover for short term transaction from the existing rates to the new rates for of sharing of transmission charges, we direct that in respect of the applications made for scheduling of bilateral and collective transactions received before 1.4.2012, short-term open access charges would be payable at the rates applicable for application period 2011-12 and for applications received on or after the 1.4.2012, the short-term open access charges would be payable as per the application period i.e. from 1.4.2012 to 30.9.2012. The Implementing Agency has pointed out that in line with the application of weekly losses, the application of POC losses for the period April to September 2012 may be effected from 2<sup>nd</sup> April, 2012. We agree to the proposal of the Implementing Agency. In keeping with the application of weekly losses, we direct that the application of the new POC loss slabs for the period April to September, 2012 would be applicable from 2<sup>nd</sup> April 2012.

10. The Implementing Agency is directed to endorse a copy of the order to all concerned. The Implementing Agency and Central Transmission Utility shall also give wide publicity to this order through their websites.

Sd/-  
**(M.Deena Dayalan)**  
Member

Sd/-  
**(V.S.Verma)**  
Member

Sd/-  
**(S.Jayaraman)**  
Member

Sd/-  
**(Dr. Pramod Deo)**  
Chairperson

| <b>Slabs for PoC Rates :Northern Region<br/>(April 12- Sep 12)</b> |                              |                                    |                                   |
|--|------------------------------|------------------------------------|-----------------------------------|
| <b>Sl.No.</b>  | <b>Name of Entity</b>        | <b>Slab Rate<br/>(Rs/MW/Month)</b> | <b>Slab Rate<br/>(Paisa/Unit)</b> |
| 1  | Haryana W                    | 110000                             | 15                                |
| 2  | Punjab W                     | 110000                             | 15                                |
| 3  | Rajasthan W                  | 110000                             | 15                                |
| 4  | Rihand Inj                   | 110000                             | 15                                |
| 5  | Uttar Pradesh W              | 110000                             | 15                                |
| 6  | Dulhasti Inj                 | 95000                              | 13                                |
| 7  | Singrauli Inj                | 95000                              | 13                                |
| 8  | Chamera 1 Inj                | 80000                              | 11                                |
| 9  | Chamera II Inj               | 80000                              | 11                                |
| 10   | Chamera Pooling<br>Point Inj | 80000                              | 11                                |
| 11   | Chandigarh Inj               | 80000                              | 11                                |
| 12   | Chandigarh W                 | 80000                              | 11                                |
| 13   | Dadri Inj                    | 80000                              | 11                                |
| 14   | Delhi Inj                    | 80000                              | 11                                |
| 15   | Delhi W                      | 80000                              | 11                                |
| 16   | Haryana Inj                  | 80000                              | 11                                |
| 17   | HP Inj                       | 80000                              | 11                                |
| 18   | HP W                         | 80000                              | 11                                |
| 19   | Jammu & Kashmir Inj          | 80000                              | 11                                |
| 20   | Jammu & Kashmir W            | 80000                              | 11                                |
| 21   | Jhajjar Inj                  | 80000                              | 11                                |
| 22   | Karcham Wangtoo Inj          | 80000                              | 11                                |
| 23   | Koteshwar Inj                | 80000                              | 11                                |
| 24   | Nathpa Jhakri Inj            | 80000                              | 11                                |
| 25   | Punjab Inj Inj               | 80000                              | 11                                |
| 26   | RAAP C Inj                   | 80000                              | 11                                |
| 27   | Rajasthan Inj                | 80000                              | 11                                |
| 28   | Sree Cement Inj              | 80000                              | 11                                |
| 29   | Tehri Inj                    | 80000                              | 11                                |
| 30   | Uri I Inj                    | 80000                              | 11                                |
| 31   | Uri II Inj                   | 80000                              | 11                                |
| 32   | Uttar Pradesh Inj            | 80000                              | 11                                |
| 33   | Uttarakhand Inj              | 80000                              | 11                                |
| 34   | Uttarakhand W                | 80000                              | 11                                |

| <b>Slabs for PoC Rates :Eastern Region<br/>(April 12- Sep 12)</b> |                       |                                    |                                   |
|---|-----------------------|------------------------------------|-----------------------------------|
| <b>Sl.No.</b>   | <b>Name of Entity</b> | <b>Slab Rate<br/>(Rs/MW/Month)</b> | <b>Slab Rate<br/>(Paisa/Unit)</b> |
| 1   | DVC Inj               | 110000                             | 15                                |
| 2   | MPL Inj               | 110000                             | 15                                |
| 3   | Orissa Inj            | 110000                             | 15                                |
| 4   | Teesta Inj            | 110000                             | 15                                |
| 5   | Bihar W               | 95000                              | 13                                |
| 6   | Corporate Power Inj   | 95000                              | 13                                |
| 7   | Farakka Inj           | 95000                              | 13                                |
| 8   | Kahalgaon Inj         | 95000                              | 13                                |
| 9   | Aadhunik Inj          | 80000                              | 11                                |
| 10  | Bihar Inj             | 80000                              | 11                                |
| 11  | DVC W                 | 80000                              | 11                                |
| 12  | Injection from Bhutan | 80000                              | 11                                |
| 13  | Jharkhand Inj         | 80000                              | 11                                |
| 14  | Jharkhand W           | 80000                              | 11                                |
| 15  | Orissa W              | 80000                              | 11                                |
| 16  | Sikkim Inj            | 80000                              | 11                                |
| 17  | Sikkim W              | 80000                              | 11                                |
| 18  | Sterlite Inj          | 80000                              | 11                                |
| 19  | Talcher Inj           | 80000                              | 11                                |
| 20  | West Bengal Inj       | 80000                              | 11                                |
| 21  | West Bengal W         | 80000                              | 11                                |

| <b>Slabs for PoC Rates :North Eastern Region<br/>(April 12- Sep 12)</b> |                          |                                    |                                   |
|---|--------------------------|------------------------------------|-----------------------------------|
| <b>Sl.No.</b>   | <b>Name of Entity</b>    | <b>Slab Rate<br/>(Rs/MW/Month)</b> | <b>Slab Rate<br/>(Paisa/Unit)</b> |
| 1   | Mizoram W                | 110000                             | 15                                |
| 2   | Nagaland W               | 110000                             | 15                                |
| 3   | Assam W                  | 95000                              | 13                                |
| 4   | Nagaland Inj             | 95000                              | 13                                |
| 5   | Tripura Inj              | 95000                              | 13                                |
| 6   | Arunachal Pradesh<br>Inj | 80000                              | 11                                |
| 7   | Arunachal Pradesh<br>W   | 80000                              | 11                                |
| 8   | Assam Inj                | 80000                              | 11                                |
| 9   | Manipur Inj              | 80000                              | 11                                |
| 10  | Manipur W                | 80000                              | 11                                |
| 11  | Meghalaya Inj            | 80000                              | 11                                |
| 12  | Meghalaya W              | 80000                              | 11                                |
| 13  | Mizoram Inj              | 80000                              | 11                                |
| 14  | Palatana Inj             | 80000                              | 11                                |
| 15  | Ranganadi Inj            | 80000                              | 11                                |
| 16  | Tripura W                | 80000                              | 11                                |

| <b>Slabs for PoC Rates :Western Region<br/>(April 12- Sep 12)</b> |                       |                                    |                                   |
|---|-----------------------|------------------------------------|-----------------------------------|
| <b>Sl.No.</b>   | <b>Name of Entity</b> | <b>Slab Rate<br/>(Rs/MW/Month)</b> | <b>Slab Rate<br/>(Paisa/Unit)</b> |
| 1   | CGPL Mundra Inj       | 110000                             | 15                                |
| 2   | Chattisgarh Inj       | 110000                             | 15                                |
| 3   | Korba Inj             | 110000                             | 15                                |
| 4   | Madhya Pradesh W      | 110000                             | 15                                |
| 5   | Maharastra W          | 110000                             | 15                                |
| 6   | NSPCL Inj             | 110000                             | 15                                |
| 7   | Sipat Inj             | 110000                             | 15                                |
| 8   | Vindhyachal           | 110000                             | 15                                |
| 9   | Goa-WR W              | 95000                              | 13                                |
| 10  | Lanco Inj             | 95000                              | 13                                |
| 11  | Vandana Vidyut Inj    | 95000                              | 13                                |
| 12  | ACB Inj               | 80000                              | 11                                |
| 13  | Balco Inj             | 80000                              | 11                                |
| 14  | Chattisgarh W         | 80000                              | 11                                |
| 15  | D&D Inj               | 80000                              | 11                                |
| 16  | D&D W                 | 80000                              | 11                                |
| 17  | DNH Inj               | 80000                              | 11                                |
| 18  | DNH W                 | 80000                              | 11                                |
| 19  | SSP Inj               | 80000                              | 11                                |
| 20  | Goa-WR Inj            | 80000                              | 11                                |
| 21  | Gujarat Inj           | 80000                              | 11                                |
| 22  | Gujarat W             | 80000                              | 11                                |
| 23  | Jindal Inj            | 80000                              | 11                                |
| 24  | JP-Bina Inj           | 80000                              | 11                                |
| 25  | Madhya Pradesh Inj    | 80000                              | 11                                |
| 26  | Mahan Inj             | 80000                              | 11                                |
| 27  | Maharastra Inj        | 80000                              | 11                                |
| 28  | RPPL Inj              | 80000                              | 11                                |
| 29  | TAPS 3&4 Inj          | 80000                              | 11                                |



| <b>Slabs for PoC Rates :Southern Region<br/>(April 12- Sep 12)</b> |                           |                                    |                                   |
|--|---------------------------|------------------------------------|-----------------------------------|
| <b>Sl.No.</b>  | <b>Name of Entity</b>     | <b>Slab Rate<br/>(Rs/MW/Month)</b> | <b>Slab Rate<br/>(Paisa/Unit)</b> |
| 1  | Karnataka W               | 100000                             | 14                                |
| 2  | Tamil Nadu Inj            | 100000                             | 14                                |
| 3  | Tamil Nadu W              | 100000                             | 14                                |
| 4  | Andhra Pradesh<br>W       | 85000                              | 12                                |
| 5  | Goa-SR W                  | 85000                              | 12                                |
| 6  | Kerala W                  | 85000                              | 12                                |
| 7  | Andhra Pradesh<br>Inj     | 70000                              | 10                                |
| 8  | Goa-SR Inj                | 70000                              | 10                                |
| 9  | Injection from<br>Talcher | 70000                              | 10                                |
| 10   | Kaiga Inj                 | 70000                              | 10                                |
| 11   | Karnataka Inj             | 70000                              | 10                                |
| 12   | Kerala Inj                | 70000                              | 10                                |
| 13   | Lanco-Kondapalli<br>Inj   | 70000                              | 10                                |
| 14   | NLC Inj                   | 70000                              | 10                                |
| 15   | Pondicherry Inj           | 70000                              | 10                                |
| 16   | Pondicherry W             | 70000                              | 10                                |
| 17   | Ramagundam Inj            | 70000                              | 10                                |
| 18   | SEPL+MEPL Inj             | 70000                              | 10                                |
| 19   | Simhadri 2 Inj            | 70000                              | 10                                |
| 20   | Vallur Inj                | 70000                              | 10                                |

| <b>Slabs for PoC Loss :Northern Region<br/>(April 12- Sep 12)</b> |                           |             |
|---|---------------------------|-------------|
| <b>Sl.No.</b>   | <b>Zone</b>               | <b>Slab</b> |
| 1   | Rihand Inj                | High        |
| 2   | Singrauli Inj             | High        |
| 3   | UP W                      | High        |
| 4   | Uttarakhand W             | High        |
| 5   | Chamera I Inj             | Normal      |
| 6   | Chamera II Inj            | Normal      |
| 7   | Chamera Pooling Point Inj | Normal      |
| 8   | Chandigarh W              | Normal      |
| 9   | Delhi W                   | Normal      |
| 10  | Dulhasti Inj              | Normal      |
| 11  | Haryana W                 | Normal      |
| 12  | Karcham Wangtoo Inj       | Normal      |
| 13  | Nathpa Jhakri Inj         | Normal      |
| 14  | Punjab W                  | Normal      |
| 15  | Rajasthan W               | Normal      |
| 16  | UP Inj                    | Normal      |
| 17  | Chandigarh Inj            | Low         |
| 18  | Dadri Inj                 | Low         |
| 19  | Delhi Inj                 | Low         |
| 20  | Haryana Inj               | Low         |
| 21  | HP Inj                    | Low         |
| 22  | HP W                      | Low         |
| 23  | J&K Inj                   | Low         |
| 24  | J&K W                     | Low         |
| 25  | Jhajjar Inj               | Low         |
| 26  | Koteshwar Inj             | Low         |
| 27  | Punjab Inj                | Low         |
| 28  | Rajasthan Inj             | Low         |
| 29  | RAPP Inj                  | Low         |
| 30  | Shree Cement Inj          | Low         |
| 31  | Tehri Inj                 | Low         |
| 32  | Uri I Inj                 | Low         |
| 33  | Uri II Inj                | Low         |
| 34  | Uttarakhand Inj           | Low         |

| <b>Slabs for PoC Loss :Eastern Region<br/>(April 12- Sep 12)</b> |                       |             |
|--|-----------------------|-------------|
| <b>Sl.No.</b>  | <b>Zone</b>           | <b>Slab</b> |
| 1  | Injection from Bhutan | High        |
| 2  | Kahalgaon Inj         | High        |
| 3  | Sterlite Inj          | High        |
| 4  | Teesta Inj            | High        |
| 5  | Bihar W               | Normal      |
| 6  | Corporate Power Inj   | Normal      |
| 7  | DVC Inj               | Normal      |
| 8  | DVC W                 | Normal      |
| 9  | Farakka Inj           | Normal      |
| 10   | MPL Inj               | Normal      |
| 11   | Orissa Inj            | Normal      |
| 12   | Orissa W              | Normal      |
| 13   | Sikkim W              | Normal      |
| 14   | Talcher Inj           | Normal      |
| 15   | West Bengal W         | Normal      |
| 16   | Aadhunik Inj          | Low         |
| 17   | Bihar Inj             | Low         |
| 18   | Jharkhand Inj         | Low         |
| 19   | Jharkhand W           | Low         |
| 20   | Sikkim Inj            | Low         |
| 21   | West Bengal Inj       | Low         |

| <b>Slabs for PoC Loss :<br/>North Eastern Region<br/>(April 12- Sep 12)</b> |                          |             |
|---|--------------------------|-------------|
| <b>Sl.No.</b>   | <b>Zone</b>              | <b>Slab</b> |
| 1   | Meghalaya Inj            | High        |
| 2   | Meghalaya W              | High        |
| 3   | Mizoram W                | High        |
| 4   | Assam Inj                | Normal      |
| 5   | Assam W                  | Normal      |
| 6   | Nagaland W               | Normal      |
| 7   | Ranganadi Inj            | Normal      |
| 8   | Tripura Inj              | Normal      |
| 9   | Arunachal Pradesh<br>Inj | Low         |
| 10  | Arunachal Pradesh<br>W   | Low         |
| 11  | Manipur Inj              | Low         |
| 12  | Manipur W                | Low         |
| 13  | Mizoram Inj              | Low         |
| 14  | Nagaland Inj             | Low         |
| 15  | Palatana Inj             | Low         |
| 16  | Tripura W                | Low         |

| <b>Slabs for PoC Loss :<br/>Western Region<br/>(April 12- Sep 12)</b> |                    |             |
|---|--------------------|-------------|
| <b>Sl.No.</b>   | <b>Zone</b>        | <b>Slab</b> |
| 1   | ACB Inj            | High        |
| 2   | Chhatisgarh Inj    | High        |
| 3   | D&D W              | High        |
| 4   | DNH W              | High        |
| 5   | Goa W              | High        |
| 6   | Jindal Inj         | High        |
| 7   | Korba Inj          | High        |
| 8   | Lanco Inj          | High        |
| 9   | Sipat Inj          | High        |
| 10  | Balco Inj          | Normal      |
| 11  | Gujarat Inj        | Normal      |
| 12  | Madhya Pradesh W   | Normal      |
| 13  | Mahan Inj          | Normal      |
| 14  | Maharashtra Inj    | Normal      |
| 15  | Maharashtra W      | Normal      |
| 16  | NSPCL Inj          | Normal      |
| 17  | SSP Inj            | Normal      |
| 18  | Vandana Vidyut Inj | Normal      |
| 19  | Vindhyachal Inj    | Normal      |
| 20  | Chhatisgarh W      | Low         |
| 21  | D&D Inj            | Low         |
| 22  | DNH Inj            | Low         |
| 23  | Goa Inj            | Low         |
| 24  | Gujarat W          | Low         |
| 25  | JP-Bina            | Low         |
| 26  | Madhya Pradesh Inj | Low         |
| 27  | CGPL Mundra Inj    | Low         |
| 28  | RGPPL Inj          | Low         |
| 29  | TAPS 3&4 Inj       | Low         |

| <b>Slabs for PoC Loss :Southern Region<br/>(April 12- Sep 12)</b> |                         |             |
|---|-------------------------|-------------|
| <b>Sl.No.</b>   | <b>Zone</b>             | <b>Slab</b> |
| 1   | Andhra Pradesh Inj      | High        |
| 2   | Lanco-Kondapalli Inj    | High        |
| 3   | Simhadri 2 Inj          | High        |
| 4   | Tamilnadu W             | High        |
| 5   | Andhra Pradesh W        | Normal      |
| 6   | Kerala W                | Normal      |
| 7   | Ramagundam Inj          | Normal      |
| 8   | Goa Inj                 | Low         |
| 9   | Goa W                   | Low         |
| 10  | Injection from Talcher* | High        |
| 11  | Kaiga Inj               | Low         |
| 12  | Karnataka Inj           | Low         |
| 13  | Karnataka W             | Low         |
| 14  | Kerala Inj              | Low         |
| 15  | NLC Inj                 | Low         |
| 16  | Pondy Inj               | Low         |
| 17  | Pondy W                 | Low         |
| 18  | SEPL+MEPL Inj           | Low         |
| 19  | Taminadu Inj            | Low         |
| 20  | Vallur Inj              | Low         |

\* On Account of HVDC Talcher-Kolar Losses