

**CENTRAL ELECTRICITY REGULATORY COMMISSION  
NEW DELHI**

**Coram**

**Shri Gireesh B. Pradhan, Chairperson  
Shri V.S. Verma, Member  
Shri M. Deena Dayalan, Member  
Shri A.K. Singhal, Member**

**No. L-1/44/2013-CERC**

**Date of Order: 31.12.2013**

**In the matter of:**

Determination of Point of Connection (PoC) rates and transmission losses for the period January to March, 2014 in accordance with Regulation 17(2) of Central Electricity Regulatory Commission (Sharing of Inter State Transmission Charges and Losses) Regulations, 2010 as amended from time to time.

**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.

3. The Implementing Agency in its letter No. POSOCO/Trans.Pricing/CERC dated 31.12.2013 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 Fourth quarter of the year 2013-14 (period January to March, 2014)
- (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)

4. We have 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 Slab rates for PoC Charges & Losses for January to March, 2014

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 Sharing Regulations and amendments thereof.

5. The Commission had by its order dated 23.12.2013 approved the slabs of PoC rates for NEW grid and SR grid and also approved the slabs in respect of 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 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.

6. 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.

7. 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, their fitment into slabs and schedule of charges payable by each DIC for the fourth quarter of the year 2013-14 i.e. from 1.1.2014 to 31.3.2014, as submitted 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 underlying network information and base load flows used, in accordance with the Regulation 17(3) of Sharing Regulations.

8. In order to ensure smooth changeover for short term transactions from the existing rates to the new rates of sharing of transmission charges, we direct that in respect of the applications made for scheduling of bilateral and collective transactions received before 1.1.2014, short-term open access charges would be payable at the rates applicable for the application period from October-December, 2013(Q3) and for applications received on or after 1.1.2014, the short-term open access charges shall be payable as per the application period from 1.1.2014 to 31.3.2014 (Q4). In keeping with the application of weekly losses, we direct that the application of the new PoC loss slabs for fourth quarter would be made applicable from 6.1.2014.

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

**sd/-**  
**(A.K. Singhal)**  
**Member**

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

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

**sd/-**  
**(Gireesh B. Pradhan)**  
**Chairperson**



## Annexure I

| <b>Slabs for PoC Rates - Northern Region<br/>(January to March 2014)</b> |                       |                           |                           |
|--|-----------------------|---------------------------|---------------------------|
| Sl.No.   | Name of Entity        | Slab Rate<br>(₹/MW/Month) | Slab Rate<br>(Paisa/Unit) |
| 1  | Haryana W             | 118280                    | 16.34                     |
| 2  | Punjab W              | 118280                    | 16.34                     |
| 3  | Rajasthan W           | 118280                    | 16.34                     |
| 4  | Rihand                | 118280                    | 16.34                     |
| 5  | Uttar Pradesh Inj     | 118280                    | 16.34                     |
| 6  | Uttar Pradesh W       | 118280                    | 16.34                     |
| 7  | Jammu & Kashmir W     | 103280                    | 14.34                     |
| 8  | Parbati III           | 103280                    | 14.34                     |
| 9  | RAAP C                | 103280                    | 14.34                     |
| 10   | Singrauli             | 103280                    | 14.34                     |
| 11   | Uttarakhand W         | 103280                    | 14.34                     |
| 12   | Chamera 1             | 88280                     | 12.34                     |
| 13   | Chamera II            | 88280                     | 12.34                     |
| 14   | Chamera Pooling Point | 88280                     | 12.34                     |
| 15   | Chandigarh Inj        | 88280                     | 12.34                     |
| 16   | Chandigarh W          | 88280                     | 12.34                     |
| 17   | Dadri                 | 88280                     | 12.34                     |
| 18   | Delhi Inj             | 88280                     | 12.34                     |
| 19   | Delhi W               | 88280                     | 12.34                     |
| 20   | Dulhasti              | 88280                     | 12.34                     |
| 21   | Haryana Inj           | 88280                     | 12.34                     |
| 22   | HP Inj                | 88280                     | 12.34                     |
| 23   | HP W                  | 88280                     | 12.34                     |
| 24   | Jammu & Kashmir Inj   | 88280                     | 12.34                     |
| 25   | Jhajjar               | 88280                     | 12.34                     |
| 26   | Karcham Wangtoo       | 88280                     | 12.34                     |
| 27   | Koteshwar             | 88280                     | 12.34                     |
| 28   | Nathpa Jhakri         | 88280                     | 12.34                     |
| 29   | Punjab Inj            | 88280                     | 12.34                     |
| 30   | Rajasthan Inj         | 88280                     | 12.34                     |
| 31   | Sree Cement           | 88280                     | 12.34                     |
| 32   | Tehri                 | 88280                     | 12.34                     |
| 33   | Uri I                 | 88280                     | 12.34                     |
| 34   | Uri II                | 88280                     | 12.34                     |
| 35   | Uttarakhand Inj       | 88280                     | 12.34                     |

| <b>Slabs for PoC Rates - Eastern Region<br/>(January to March 2014)</b> |                          |                                   |                                   |
|---|--------------------------|-----------------------------------|-----------------------------------|
| <b>Sl.No.</b>   | <b>Name of Entity</b>    | <b>Slab Rate<br/>(₹/MW/Month)</b> | <b>Slab Rate<br/>(Paisa/Unit)</b> |
| 1   | DVC Inj                  | 118280                            | 16.34                             |
| 2   | Kahalgaon                | 118280                            | 16.34                             |
| 3   | Orissa Inj               | 118280                            | 16.34                             |
| 4   | Sikkim W                 | 118280                            | 16.34                             |
| 5   | Bihar W                  | 103280                            | 14.34                             |
| 6   | Aadhunik                 | 88280                             | 12.34                             |
| 7   | Bangladesh Inj           | 88280                             | 12.34                             |
| 8   | Bangladesh W             | 88280                             | 12.34                             |
| 9   | Bihar Inj                | 88280                             | 12.34                             |
| 10  | DVC W                    | 88280                             | 12.34                             |
| 11  | Farakka                  | 88280                             | 12.34                             |
| 12  | Injection from<br>Bhutan | 88280                             | 12.34                             |
| 13  | Jharkhand Inj            | 88280                             | 12.34                             |
| 14  | Jharkhand W              | 88280                             | 12.34                             |
| 15  | MPL                      | 88280                             | 12.34                             |
| 16  | Orissa W                 | 88280                             | 12.34                             |
| 17  | Sikkim Inj               | 88280                             | 12.34                             |
| 18  | Sterlite                 | 88280                             | 12.34                             |
| 19  | Talcher                  | 88280                             | 12.34                             |
| 20  | Teesta                   | 88280                             | 12.34                             |
| 21  | West Bengal Inj          | 88280                             | 12.34                             |
| 22  | West Bengal W            | 88280                             | 12.34                             |

| <b>Slabs for PoC Rates - North Eastern Region<br/>(January to March 2014)</b> |                          |                                   |                                   |
|---|--------------------------|-----------------------------------|-----------------------------------|
| <b>Sl.No.</b>   | <b>Name of Entity</b>    | <b>Slab Rate<br/>(₹/MW/Month)</b> | <b>Slab Rate<br/>(Paisa/Unit)</b> |
| 1   | Arunachal Pradesh W      | 118280                            | 16.34                             |
| 2   | Assam W                  | 118280                            | 16.34                             |
| 3   | Meghalaya W              | 118280                            | 16.34                             |
| 4   | Mizoram Inj              | 118280                            | 16.34                             |
| 5   | Mizoram W                | 118280                            | 16.34                             |
| 6   | Nagaland W               | 118280                            | 16.34                             |
| 7   | Palatana                 | 118280                            | 16.34                             |
| 8   | Tripura Inj              | 118280                            | 16.34                             |
| 9   | Arunachal Pradesh<br>Inj | 88280                             | 12.34                             |
| 10  | Assam Inj                | 88280                             | 12.34                             |
| 11  | Manipur Inj              | 88280                             | 12.34                             |
| 12  | Manipur W                | 88280                             | 12.34                             |
| 13  | Meghalaya Inj            | 88280                             | 12.34                             |
| 14  | Nagaland Inj             | 88280                             | 12.34                             |
| 15  | Ranganadi                | 88280                             | 12.34                             |
| 16  | Tripura W                | 88280                             | 12.34                             |

| <b>Slabs for PoC Rates - Western Region<br/>(January to March 2014)</b> |                       |                                   |                                   |
|---|-----------------------|-----------------------------------|-----------------------------------|
| <b>Sl.No.</b>   | <b>Name of Entity</b> | <b>Slab Rate<br/>(₹/MW/Month)</b> | <b>Slab Rate<br/>(Paisa/Unit)</b> |
| 1   | ACB+Spectrum          | 118280                            | 16.34                             |
| 2   | Chattisgarh Inj       | 118280                            | 16.34                             |
| 3   | DB Power              | 118280                            | 16.34                             |
| 4   | Goa-WR W              | 118280                            | 16.34                             |
| 5   | JPL+JSPL              | 118280                            | 16.34                             |
| 6   | KSK Mahanadi          | 118280                            | 16.34                             |
| 7   | Lanco                 | 118280                            | 16.34                             |
| 8   | Madhya Pradesh W      | 118280                            | 16.34                             |
| 9   | Mahan                 | 118280                            | 16.34                             |
| 10  | Maharastra Inj        | 118280                            | 16.34                             |
| 11  | Maharastra W          | 118280                            | 16.34                             |
| 12  | Sasan                 | 118280                            | 16.34                             |
| 13  | Sipat                 | 118280                            | 16.34                             |
| 14  | Vindhyachal           | 118280                            | 16.34                             |
| 15  | Gujarat Inj           | 103280                            | 14.34                             |
| 16  | Korba                 | 103280                            | 14.34                             |
| 17  | NSPCL                 | 103280                            | 14.34                             |
| 18  | Balco                 | 88280                             | 12.34                             |
| 19  | CGPL                  | 88280                             | 12.34                             |
| 20  | Chattisgarh W         | 88280                             | 12.34                             |
| 21  | D&D Inj               | 88280                             | 12.34                             |
| 22  | D&D W                 | 88280                             | 12.34                             |
| 23  | DNH Inj               | 88280                             | 12.34                             |
| 24  | DNH W                 | 88280                             | 12.34                             |
| 25  | EMCO                  | 88280                             | 12.34                             |
| 26  | Essar Steel Inj       | 88280                             | 12.34                             |
| 27  | Essar Steel W         | 88280                             | 12.34                             |
| 28  | Goa-WR Inj            | 88280                             | 12.34                             |
| 29  | Gujarat W             | 88280                             | 12.34                             |
| 30  | Madhya Pradesh Inj    | 88280                             | 12.34                             |
| 31  | Mauda                 | 88280                             | 12.34                             |
| 32  | SSP                   | 88280                             | 12.34                             |
| 33  | TAPS 3&4              | 88280                             | 12.34                             |
| 34  | Vandana               | 88280                             | 12.34                             |



| <b>Slabs for PoC Rates - Southern Region<br/>(January to March 2014)</b> |                        |                                   |                                   |
|--|------------------------|-----------------------------------|-----------------------------------|
| <b>Sl.No.</b>  | <b>Name of Entity</b>  | <b>Slab Rate<br/>(₹/MW/Month)</b> | <b>Slab Rate<br/>(Paisa/Unit)</b> |
| 1  | Andhra Pradesh W       | 95055                             | 13.12                             |
| 2  | Goa-SR W               | 95055                             | 13.12                             |
| 3  | Karnataka W            | 95055                             | 13.12                             |
| 4  | Kerala W               | 95055                             | 13.12                             |
| 5  | Kudankulam             | 95055                             | 13.12                             |
| 6  | NLC                    | 80055                             | 11.12                             |
| 7  | Simhadri 2             | 80055                             | 11.12                             |
| 8  | Tamil Nadu W           | 80055                             | 11.12                             |
| 9  | Andhra Pradesh Inj     | 65055                             | 9.12                              |
| 10   | Goa-SR Inj             | 65055                             | 9.12                              |
| 11   | Injection from Talcher | 65055                             | 9.12                              |
| 12   | Kaiga                  | 65055                             | 9.12                              |
| 13   | Karnataka Inj          | 65055                             | 9.12                              |
| 14   | Kerala Inj             | 65055                             | 9.12                              |
| 15   | Lanco-Kondapalli       | 65055                             | 9.12                              |
| 16   | Pondicherry Inj        | 65055                             | 9.12                              |
| 17   | Pondicherry W          | 65055                             | 9.12                              |
| 18   | Ramagundam             | 65055                             | 9.12                              |
| 19   | SEPL+MEPL              | 65055                             | 9.12                              |
| 20   | Tamil Nadu Inj         | 65055                             | 9.12                              |
| 21   | Vallur                 | 65055                             | 9.12                              |

## Annexure II

| <b>Slabs for PoC Losses - Northern Region<br/>(January to March 2014)</b> |                       |                                    |
|---|-----------------------|------------------------------------|
| <b>Sl.No.</b>   | <b>Name of Entity</b> | <b>Slab w.r.t<br/>Weighted Avg</b> |
| 1   | Punjab W              | High                               |
| 2   | Rihand                | High                               |
| 3   | Singrauli             | High                               |
| 4   | UP Inj                | High                               |
| 5   | UP W                  | High                               |
| 6   | Uttarakhand W         | High                               |
| 7   | Delhi W               | Normal                             |
| 8   | J&K W                 | Normal                             |
| 9   | Rajasthan W           | Normal                             |
| 10  | Chamera I             | Low                                |
| 11  | Chamera II            | Low                                |
| 12  | Chamera Pooling Point | Low                                |
| 13  | Chandigarh Inj        | Low                                |
| 14  | Chandigarh W          | Low                                |
| 15  | Dadri                 | Low                                |
| 16  | Delhi Inj             | Low                                |
| 17  | Dulhasti              | Low                                |
| 18  | Haryana Inj           | Low                                |
| 19  | Haryana W             | Low                                |
| 20  | HP Inj                | Low                                |
| 21  | HP W                  | Low                                |
| 22  | J&K Inj               | Low                                |
| 23  | Jhajjar               | Low                                |
| 24  | Karcham Wangtoo       | Low                                |
| 25  | Koteshwar             | Low                                |
| 26  | Nathpa Jhakri         | Low                                |
| 27  | Parbati III           | Low                                |
| 28  | Punjab Inj            | Low                                |
| 29  | Rajasthan Inj         | Low                                |
| 30  | RAPP                  | Low                                |
| 31  | Shree Cement          | Low                                |
| 32  | Tehri                 | Low                                |
| 33  | Uri I                 | Low                                |
| 34  | Uri II                | Low                                |
| 35  | Uttarakhand Inj       | Low                                |

| <b>Slabs for PoC Losses - Eastern Region<br/>(January to March 2014)</b> |                       |                                    |
|--|-----------------------|------------------------------------|
| <b>Sl.No.</b>  | <b>Name of Entity</b> | <b>Slab w.r.t<br/>Weighted Avg</b> |
| 1  | Kahalgaon             | High                               |
| 2  | Orissa Inj            | High                               |
| 3  | Sterlite              | High                               |
| 4  | Aadhunik              | Normal                             |
| 5  | Bihar W               | Normal                             |
| 6  | DVC Inj               | Normal                             |
| 7  | Farakka               | Normal                             |
| 8  | Injection from Bhutan | Normal                             |
| 9  | MPL                   | Normal                             |
| 10   | Orissa W              | Normal                             |
| 11   | Sikkim W              | Normal                             |
| 12   | Talcher               | Normal                             |
| 13   | Teesta                | Normal                             |
| 14   | West Bengal W         | Normal                             |
| 15   | Bangladesh Inj        | Low                                |
| 16   | Bangladesh W          | Low                                |
| 17   | Bihar Inj             | Low                                |
| 18   | DVC W                 | Low                                |
| 19   | Jharkhand Inj         | Low                                |
| 20   | Jharkhand W           | Low                                |
| 21   | Sikkim Inj            | Low                                |
| 22   | West Bengal Inj       | Low                                |

| <b>Slabs for PoC Losses - North Eastern Region<br/>(January to March 2014)</b> |                       |                                    |
|--|-----------------------|------------------------------------|
| <b>Sl.No.</b>  | <b>Name of Entity</b> | <b>Slab w.r.t<br/>Weighted Avg</b> |
| 1  | Mizoram W             | High                               |
| 2  | Nagaland W            | High                               |
| 3  | Assam Inj             | Normal                             |
| 4  | Assam W               | Normal                             |
| 5  | Manipur W             | Normal                             |
| 6  | Meghalaya W           | Normal                             |
| 7  | Palatana              | Normal                             |
| 8  | Arunachal Pradesh Inj | Low                                |
| 9  | Arunachal Pradesh W   | Low                                |
| 10   | Manipur Inj           | Low                                |
| 11   | Meghalaya Inj         | Low                                |
| 12   | Mizoram Inj           | Low                                |
| 13   | Nagaland Inj          | Low                                |
| 14   | Ranganadi             | Low                                |
| 15   | Tripura Inj           | Low                                |
| 16   | Tripura W             | Low                                |

| <b>Slabs for PoC Losses - Western Region<br/>(January to March 2014)</b> |                       |                                    |
|--|-----------------------|------------------------------------|
| <b>Sl.No.</b>  | <b>Name of Entity</b> | <b>Slab w.r.t<br/>Weighted Avg</b> |
| 1  | ACB+Spectrum          | High                               |
| 2  | DB Power              | High                               |
| 3  | Goa W                 | High                               |
| 4  | JPL+JSPL              | High                               |
| 5  | KSK Mahanadi          | High                               |
| 6  | Lanco                 | High                               |
| 7  | Maharashtra W         | High                               |
| 8  | Sipat                 | High                               |
| 9  | Balco                 | Normal                             |
| 10   | Chhatisgarh Inj       | Normal                             |
| 11   | D&D W                 | Normal                             |
| 12   | DNH W                 | Normal                             |
| 13   | EMCO                  | Normal                             |
| 14   | Gujarat W             | Normal                             |
| 15   | Korba                 | Normal                             |
| 16   | Madhya Pradesh W      | Normal                             |
| 17   | Mahan                 | Normal                             |
| 18   | Maharashtra Inj       | Normal                             |
| 19   | Mauda                 | Normal                             |
| 20   | Mundra                | Normal                             |
| 21   | NSPCL                 | Normal                             |
| 22   | Sasan UMPP            | Normal                             |
| 23   | Vandana Vidyut        | Normal                             |
| 24   | Vindhyachal           | Normal                             |
| 25   | Chhatisgarh W         | Low                                |
| 26   | D&D Inj               | Low                                |
| 27   | DNH Inj               | Low                                |
| 28   | Essar Steel Inj       | Low                                |
| 29   | Essar Steel W         | Low                                |
| 30   | Goa Inj               | Low                                |
| 31   | Gujarat Inj           | Low                                |
| 32   | Madhya Pradesh Inj    | Low                                |
| 33   | SSP                   | Low                                |
| 34   | TAPS 3&4              | Low                                |

| <b>Slabs for PoC Losses - Southern Region<br/>(January to March 2014)</b> |                       |  |
|---|-----------------------|--|
| <b>Sl.No.</b>   | <b>Name of Entity</b> | <b>Slab w.r.t<br/>Weighted<br/>Avg</b> |
| 1   | Andhra Pradesh Inj    | High                                   |
| 2   | Injection at Kolar*   | High                                   |
| 3   | Kerala W              | High                                   |
| 4   | Lanco-Kondapalli      | High                                   |
| 5   | Pondy W               | High                                   |
| 6   | Simhadri 2            | High                                   |
| 7   | Andhra Pradesh W      | Normal                                 |
| 8   | NLC                   | Normal                                 |
| 9   | Ramagundam            | Normal                                 |
| 10  | SEPL+MEPL             | Normal                                 |
| 11  | Tamilnadu W           | Normal                                 |
| 12  | Goa Inj               | Low                                    |
| 13  | Goa W                 | Low                                    |
| 14  | Kaiga                 | Low                                    |
| 15  | Karnataka Inj         | Low                                    |
| 16  | Karnataka W           | Low                                    |
| 17  | Kerala Inj            | Low                                    |
| 18  | Kudankulam            | Low                                    |
| 19  | Pondy Inj             | Low                                    |
| 20  | Taminadu Inj          | Low                                    |
| 21  | Vallur                | Low                                    |

\* On Account of HVDC Talcher – Kolar Losses