



**Open Access Charges  
Application  
For FY 2024-25**

**30<sup>th</sup> November 2023**

**TP NORTHERN ODISHA DISTRIBUTION LIMITED**

**(A Tata Power & Odisha Government Joint Venture)**

**Corporate Office : Januganj, Balasore, Odisha-756019**

**BEFORE THE ODISHA ELECTRICITY REGULATORY COMMISSION  
PLOT NO.4, CHUNUKOLI, SAILASHREE VIHAR,  
CHANDRASEKHARPUR, BHUBANESWAR**

**IN THE MATTER OF :** An Application for approval of Open Access Charges for the financial year 2024-25, in accordance with the para 22, 23, 24 & 25 of chapter 5 of OERC (Terms and Conditions of Intra state Open Access) Regulation, 2020, applicable to open access customers for use of intra-state transmission/ distribution system, in view of section 42 of the Electricity Act-2003.

AND

**IN THE MATTER OF :** TP Northern Odisha Distribution Limited.

Registered & Corporate Office: Januganj, Balasore, Odisha-756019

Represented by its Chief Executive Officer

-----Applicant

And

**IN THE MATTER OF :** All stakeholder

**Humble application of the above named licensee for determination of Wheeling charges, Cross subsidy surcharges, Additional surcharges and standby charges for FY 2024-25 applicable to Open Access customers**

**MOST RESPECTFULLY SHOWETH :**

1. That, as per OERC (Terms and Conditions of Intra state Open Access) Regulation, 2020, the licensee is required to file the application for determination of open access charges with Hon'ble Commission. Accordingly, the licensee is filing this application before Hon'ble Commission for determination of Open Access charges for the FY 2024-25.
2. The Orissa Electricity Regulatory Commission (herein after referred to as Commission), in exercise of the power vested in it under Sections 42 read with section 39,40, 86 and 181 of the Electricity Act 2003 (36 of 2003) and all other powers enabling in this behalf, determines the frame work for computation and implementation of cross subsidy surcharge for open access transactions within the State of Orissa.
3. The Hon'ble Commission in its Notification dated 2<sup>nd</sup> November 2020 has repealed the OERC (Terms and conditions of open access) Regulations, 2005 and OERC (Determination of Open Access Charges) Regulations, 2006, and notified the new

Regulations for open access to the intra-state transmission and distribution systems and terms and conditions thereof.

4. In view of above, the applicant submits as under:
5. That the licensee in accordance with regulations framed by Hon'ble Commission under the provision of Electricity Act 2003 is required to file the wheeling charges, cross-subsidy surcharge, additional surcharge and stand by charges before the Commission for approval.
6. The Electricity Act 2003 (EA 2003) enables eligible consumers to have non-discriminatory Open Access (OA) to the network of a Licensee on payment of applicable charges. The EA 2003 and National Electricity Policy (NEP) formulated therein mandate the State Electricity Regulatory Commissions to frame the terms and conditions and timeframe for introduction of OA in the State.
7. The Commission notified the OERC (Terms and Conditions for determination of wheeling and retail supply Tariff) Regulations, 2022 for DISCOMs in the State of Odisha as well as OERC (Terms and Conditions of Intra state Open Access) Regulations, 2020. In order to implement Open Access in the State, Hon'ble Commission is required to determine the following charges to be paid by the OA consumers:
  - a. Wheeling charges;
  - b. Cross-subsidy surcharge;
  - c. Additional surcharge;
  - d. Stand by charges

The Commission has defined the methodology in chapter 5 of (Terms and Conditions of Intra state Open Access) Regulation, 2020 for determination of transmission charges, wheeling Charges, Cross Subsidy surcharge, Additional Surcharge and stand by charges for use of the intra-State transmission network within the State. Further, the Commission will determine the above open access charges during the tariff determination process currently underway for all Utilities in the State.

In the said Regulation 2020 the Hon'ble Commission prescribed the issue of methodology to be followed for determination of transmission charges, wheeling charges, cross-subsidy surcharge, additional surcharge and stand by charges. It is envisaged that based on the prescribed methodology, the transmission charges, wheeling charges, cross-subsidy surcharge would be calculated during the tariff determination exercise currently underway.

## Open Access Charges

The OERC (Terms and Conditions of Intra state Open Access) Regulation, 2020 provides that the Open Access Customers shall pay the following charges besides the other charges mentioned in the regulation for the use of the intra-state distribution system.

- 8. Transmission/Wheeling Charges Wheeling charges payable to distribution licensee, by long-term or medium-term open access customer for usage of its system shall be as determined as under:**

Wheeling Charges = (Wheeling Cost) / (ALSDX365) (in INR/MW-day)

Where,

Wheeling Cost= Cost towards wheeling business as approved in the Tariff Order of the distribution licensee in the concerned year

ALSD= Total Average load projected to be served by the concerned distribution system in the concerned year

Provided that Wheeling charges for short-term open access consumers shall be payable as determined by the Commission for the relevant financial year on the basis of scheduled load/ energy in the Tariff Order. For Open Access for a part of a day, the wheeling charges shall be payable on prorata basis;

Provided further that where a dedicated distribution system used for open access has been constructed for exclusive use of an open access customer, the wheeling charges for such dedicated system shall be worked out by distribution licensee for their respective systems and got approved by the Commission and shall be borne entirely by such open access customer till such time the surplus capacity is allotted and used for by other person or purposes;

Provided further that Wheeling Charges shall not be applicable in case dedicated lines (as defined under Section 2(16) of Electricity Act 2003) constructed by generator are being utilized for supply to the open access customer.

- (i) Wheeling charges as calculated by licensee is annexed as Annexure-A.

A. Table showing wheeling charge:-

Description	EHT	HT
Wheeling charges (Paise per unit)	Not Applicable	201

## 9. Cross Subsidy-Surcharge

- (i) If open access facility is availed of by a subsidising consumer of a distribution licensee of the State, then such consumer, in addition to transmission and/or wheeling charges, shall pay cross subsidy surcharge determined by the Commission. Cross subsidy surcharge determined on Per Unit basis shall be payable, on monthly basis, by the open access consumers based on the actual energy drawn during the month through open access. The amount of surcharge shall be paid to the distribution licensee of the area of supply from whom the consumer was availing supply before seeking open access.

Provided also that such cross subsidy surcharge shall not be levied in case distribution access is provided to a person who has established a captive generation plant for carrying the electricity to the destination of his own use.

- (ii) Further submitted that the methodology prescribed by Hon'ble Commission for determination of cross subsidy surcharge, in line with the provisions of National Tariff Policy in Para 8.5.1, is as under;

$$\text{Surcharge formula: } S = T - [C / (1 - L/100) + D + R]$$

Where S is the surcharge

T is the tariff payable by the relevant category of consumers, including reflecting the Renewable Purchase Obligation

C is the per unit weighted average cost of power purchase by the licensee . Hon'ble Commission accepts 'C' equal to the BSP of respective DISCOM

D is the aggregate of transmission, SLDC and wheeling charge applicable to the relevant voltage level.

L is the aggregate of transmission, distribution and commercial losses, expressed as a percentage applicable to the relevant voltage level.

R is the per unit cost of carrying regulatory assets.

Provided that cross-subsidy surcharge shall be progressively reduced to reflect 20% of the tariff applicable to the category of the consumers seeking open access.

Accordingly the Licensee computed the cross subsidy surcharge which is mentioned in the following table. The statement of detail computation is annexed as Annexure-

**B. Table showing Cross Subsidy Surcharge**

Surcharge (P/KWH) EHT	Surcharge (P/KWH) HT
262	74

The above cross subsidy surcharges have been calculated considering the Avg. EHT Tariff derived from proposed EHT sale 3555.28 MU and proposed Revenue from EHT Sale for FY 2024-25 . The Power Purchase cost has been determined adding Bulk Supply price of 335paise per unit, Transmission charge 24 paise per unit, SLDC charge 0.15 paise per unit for EHT category of consumers.

For HT category of consumers Wheeling charge @ 201 paise per unit and System loss at HT supply has been considered at 8%. The Cross-subsidy surcharge has been calculated considering the Avg. HT Tariff derived from proposed HT sale in MU and Revenue from HT Sale for FY 2024-25. The Power Purchase cost for HT Consumer has been determined adding Bulk Supply price of 335 paise per unit, Transmission charge 24 paise per unit, SLDC charge 0.15 paise per unit.

**PRAYER**

In the aforesaid facts and circumstances, the licensee most humbly prays before the Hon'ble Commission to kindly:

- (1) Take the proposal of the applicant in this application for determination of Wheeling Charges and Cross Subsidy Surcharge on record.
- (2) Approve the Wheeling charges and Cross Subsidy Surcharge prayed before the Hon'ble Commission for the FY 2024-25.
- (3) Issue any other relief, order or direction as deem fit

Place: Balasore  
Date : 30..11.2023

**BHASKAR SARKAR**  
**CHIEF EXECUTIVE OFFICER**  
**TP Northern Odisha Distribution Ltd**

**BEFORE THE ODISHA ELECTRICITY REGULATORY COMMISSION  
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-----Applicant

And

**IN THE MATTER OF :** All stakeholder

**Affidavit verifying the application for approval of Open Access Charges for the FY 2024-25**

I, Bhaskar Sarkar, aged about 58 years, son of Late Arup Kumar Sarkar, residing at Balasore, do hereby solemnly affirm and state as follows:-

I am the Chief Executive Officer of TP Northern Distribution Limited-the applicant in the above matter and duly authorised to swear this affidavit on its behalf.

The statements made in the application along with the annexures annexed to this application are true to the best of my knowledge and the statements made are based on information and records and I believe them to be true.

**Place: Balasore**

**DEPONENT**

**Date: 30.11.2023**

<b>TPNODL</b>					<b><u>Annexure-A</u></b>	
<b>STATEMENT OF CALCULATION OF WHEELING CHARGES FOR FY 2024-25</b>						
<b>Rs in Crs</b>						
<b>SI No</b>	<b>Particulars</b>				<b>Cost as proposed in the ARR for 2024-25</b>	<b>Remarks</b>
<b>1</b>	<b>Operation &amp; Maintenance Exp</b>				<b>676.13</b>	<b>(1.1+1.2+1.3)</b>
1.1	Employee Expenses				319.63	
1.2	Administration & General Exp				67.20	
1.3	Repair & Maintenance Exp				289.30	
2	Depreciation				87.56	
3	Interest on Long Term loan Capital				55.75	
4	Interest on Working Capital				5.19	
5	Interest on Security Deposit				-	
6	Interest on Power Bond					
7	Provision for Bad debts					
8	Contingency Reserve				-	
9	Carrying cost				2.31	
10	Return on Equity with Tax				123.32	
11	Less Miscellaneous Receipt				(20.73)	
<b>12</b>	<b>Distribution Cost for Wheeling</b>				<b>929.53</b>	
<b>13</b>	<b>Wheeling charges (paise/ unit)</b>				<b>201.817</b>	
		<b>EHT</b>	<b>HT</b>	<b>LT</b>	<b>Total</b>	
Total Sale (MU)-proposed for 24-25		3555	773	2679	<b>7007</b>	
Input (MU)-Proposed for 24-25		3555	1142	3464	<b>8161</b>	
Loss (MU)		0	368	786	<b>1154</b>	
Input received in the system(MU)		8161	4606	3464		



**Calculation of Surcharge for EHT category of Consumers**

Total EHT Sales proposed for FY 2024-25 in MU	Proposed Revenue from sale for EHT Category Rs in Crore	Average Tariff (P/KWH) (T)	Cost of power Purchase (P/KWH) (C )	Wheeling Charge (P/KWH)( D)	System Loss (%) ( L)	Regulatory Asset (P/KWH) (R)	Surcharge (P/KWH) ( T - ( C/ (1- L/100))+D+R))
<b>3555.28</b>	<b>2206.77</b>	<b>620.70</b>	<b>359.00</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>262</b>

**Calculation of Surcharge for HT category of Consumers**

Total HT Sales proposed for FY 2024-25 in MU	Proposed Revenue from sale for HT Category Rs in Crore	Average Tariff (P/KWH) (T)	Cost of power Purchase (P/KWH) (C )	Wheeling Charge (P/KWH)( D)	System Loss (%) ( L)	Regulatory Asset (P/KWH) (R)	Surcharge (P/KWH) ( T - ( C/ (1- L/100))+D+R))
<b>773.05</b>	<b>514.60</b>	<b>665.68</b>	<b>359.00</b>	<b>201.82</b>	<b>8</b>	<b>0</b>	<b>74</b>