EXPLANATION FOR THE NOTIFICATION
ON
ESCALATION FACTORS AND OTHER PARAMETERS
FOR
TARIFF-BASED COMPETITIVE BIDDING FOR TRANSMISSION SERVICE,
DATED 21.10.2025

In pursuance of the "Tariff based Competitive-bidding Guidelines for Transmission Service"(as amended up to 10th October 2008) issued by the Ministry of Power and Schedule-7 of the Standard Transmission Service Agreement (TSA) documents, the Central Electricity Regulatory Commission (CERC) notifies escalation factors and other parameters, every six months, for the purpose of payment. Schedule 7 of the Standard TSA states the following:

".....the value of the Escalation Index shall be computed by applying the per annum inflation rate specified by CERC for payment of Escalable Transmission Charges, ...".

2. The CERC has now been mandated to notify the Discount rate as required under Schedule-9 of the Standard Transmission Service Agreement under the "Revised Guidelines and Standard Bidding Documents (SBDs) for procurement of Inter-State Transmission Services (ISTS) through Tariff Based Competitive Bidding (TBCB) process" dated 6th August 2021 as under:

".....The relief in the form of revision in tariff due to Force Majeure Event leading to extension of Scheduled COD for a period beyond one hundred eighty (180) days and/ or Change in Law during the construction period shall be as under:

$\Delta T = [(P \times d)] = [1-(1+ d)^{(-n)}]$

Where,

.....

d = Discount rate as notified by the CERC, applicable on the bid deadline."

……."

3. In line with the above provisions, CERC is required to notify the following rates:

(i) Annual inflation rate for escalable transmission charges for the purpose of payment and

(ii) Discount rate for determining the Relief for Force Majeure Event and Change in Law during the Construction Period in accordance with the Transmission Service Agreement.

4. While determining the rate mentioned in paragraph 3(i) for the present Notification, i.e., applicable for the period from 01.10.2025 to 31.03.2026, the methodology that was used by the Commission for the Notification dated 1.2.2012 [*in the context of "Tariff based Competitive-bidding Guidelines for Transmission Service" (as amended up to 10th October, 2008) issued by Ministry of Power, Government of India, Clause 3.3.1.3 (a) of the Standard Request for Proposal (RFP), and Schedule 7 of the Standard Transmission Service Agreement (TSA) documents*] have been used. For determining the discount rate mentioned in paragraph 3(ii), the methodology that was used for the Notification dated 31.05.2021 *[in the context of Escalation Rates for the purpose of Evaluation as per the Competitive-bidding Guidelines dated 22.7.2020 read with an amendment dated 3.11.2020]* has been used. The computation of the escalation factors for payment and discount rate is provided in the following paragraphs.

5. **Escalation rate for Escalable Transmission charges for payment**

The annual inflation rate for Escalable Transmission Charges for payment has been computed based on the data on WPI and CPI-Industrial Workers (CPI-IW) for the period from July 2024 to June 2025. The data on WPI and CPI-IW has been used as published by the Ministry of Commerce & Industry and Labour Bureau, respectively. A composite series has been developed based on WPI with 45% weight and CPI-IW with 55% weight, which has been used for computing the inflation rate. The inflation rate has been computed as under:

ANNUAL INFLATION RATE FOR ESCALABLE TRANSMISSION CHARGES FOR PAYMENT			
Period	**WPI for All Commodities (Base: 2011-12=100)**	**CPI for Industrial Workers (Base: 2016=100)**	**Composite Series***
Jul-24	155.3	142.7	148.4
Aug-24	154.4	142.6	147.9
Sep-24	154.7	143.3	148.4
Oct-24	156.7	144.5	150.0
Nov-24	156.4	144.5	149.9
Dec-24	155.7	143.7	149.1

Jan-25	155.0	143.2	148.5
Feb-25	154.9	142.8	148.2
Mar-25	154.8	143.0	148.3
Apr-25	154.2	143.5	148.3
May-25	153.7	144.0	148.4
Jun-25	153.7	145.0	148.9
Average Index (Jul 24-Dec 24)			148.94
Average Index (Jan 25-Jun 25)			148.44
Half-Yearly Inflation			-0.34%
Annual Inflation			**-0.67%**
*Composite series using weight of 45% to Wholesale Price Index (WPI) and 55% to Consumer Price Index- Industrial Workers (CPI-IW).			

The annual inflation rate computed in the above Table **(-0.67%)** is notified as the annual inflation rate for Escalable Transmission Charges for Payment.

6. **Discount rate for determining the Relief under Force Majeure Event and change in Law during the Construction Period.**

Weighted Average Cost of Capital (WACC) has been considered as the discount rate and computed as under:

WACC = [Cost of Debt + Cost of Equity]

Where,

Cost of Debt = [0.70 (Market Rate of Interest) X (1-Corporate Tax Rate)]

Cost of Equity = [0.30 {Risk Free Rate + b (Equity Market Risk Premium)}]

The computation of WACC can be seen in the following Table.

Discount Rate for determining the Relief under Force Majeure Event & Change in Law during Construction Period		
Weighted Values	**Cost of Debt/Equity**	**WACC (%)**
1. Cost of Debt		
0.70(Cost of Debt)x(1-CTR)	**5.40**	
2. Cost of Equity		
0.30((RF+b(ERP))	**4.48**	
Discount Rate (1+2)		**9.88**
Assumptions used for computing the Discount Rate		
Components of Debt/Equity		**Assumptions (%)**
Debt		70.00
Equity		30.00

Corporate tax rate for the assessment year 2025-26 (Effective tax rate i.e. inclusive of cess and surcharge)	25.17
Risk Free rate (RF)	7.34
Beta Value (b)	1.40
Equity Market Risk Premium (ERP)	5.42
Cost of Debt	10.31
Cost of Equity	14.94

The Debt and Equity of 70:30 has been assumed based on CERC norms on Debt and Equity in its 2024-29 Tariff Regulations. The effective corporate tax rate (i.e., inclusive of surcharge and cess) proposed in the Union Budget 2025-26 has been used as a corporate tax rate while computing the cost of debt.

While calculating the cost of debt, the market rate of interest is linked to the marginal cost of funds-based lending rate (MCLR), which refers to the minimum interest rate of a bank below which it cannot lend, except in some cases, allowed by the RBI. The market rate of interest for the year 2024 is taken as the MCLR (8.31%, i.e., average of MCLR of five major banks) + 200 basis points. The 200 basis points have been considered as per the methodology used for the Notification dated 31.05.2021 (*in the context of Escalation Rates for the purpose of Evaluation as per the competitive bidding guidelines dated 22.7.2020 read with an amendment dated 3.11.2020*). Accordingly, the market rate of interest has been taken as 10.31%.

The 10-year GOI securities rate for 2024 has been considered as the risk-free rate.

For the calculation of the cost of equity, the market risk premium is assumed as the difference between the expected market return and the risk-free rate. Accordingly, the market risk premium in this Notification has been arrived at by subtracting the average risk-free rate for the last 12 years from the average rate of return on the market portfolio over the past 12 years. Sensex values for the past thirteen years have been used to arrive at the rate of return on the market portfolio for the past 12 years. A historical approach has been adopted for arriving at the expected market return, assuming the expected future return to be the same as past returns.

The beta value has been computed based on the data on the Bombay Stock Exchange (BSE) Indices for Power Sector and Sensex for the year 2024.

The WACC computed in the above Table (**9.88%**) is notified as the discount rate.

7. Explanation for the notifications dated 01.02.2012 and 31.05.2021 (see CERC website www.cercind.gov.in) provides further details such as the date of announcement of the Notification, sources of the data used for computing the discount rate, application of inflation rate for the purpose of payment, etc.

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