Bihar Electricity Commission (Standards of Performance of Intra Transmission Licensees) Regulations, 2019

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Rule
BIHAR-ELECTRICITY-COMMISSION-STANDARDS-OF-PERFORMANCE of 2019

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Bihar Electricity Commission (Standards of Performance of Intra Transmission Licensees) Regulations, 2019Published vide Notification No. BERC-SMP-18/2019-04, dated 10.10.2019Last Updated 10th February, 2020No. BERC-SMP-18/2019-04. - In exercise of powers conferred under Section 181 (za) read with section 57 (1), 57 (2) and 86 (1) (i) of the Electricity Act, 2003 (36 of 2003) and all other powers enabling it in this behalf, the Bihar Electricity Regulatory Commission hereby makes the Bihar State Electricity Regulatory Commission (Standards of Performance of Intra Licensees) Regulations, 2019:

Chapter 1
Preliminary

1. Short title, Extent and Commencement.

(1)These Regulations may be called the Bihar Electricity Commission (Standards of Performance of Intra Transmission Licensees) Regulations, 2019.(2)These regulations extend to the whole of the state of Bihar.(3)These regulations shall come into force from the date of their publication in

2. Scope.

- These regulations shall be applicable to all the Intra Transmission licensees.

3. Definitions.

(1)In these Regulations, unless the context otherwise requires:-(a)"Act" means the Electricity Act, 2003 (36 of 2003) a from time to time.(b)"Affected person" means a user of the intra-State transmission system who is affected due to non-adherence to the Standards of Performance specified in these regulations by the intra-State transmission licensee.(c)"Commission" means the Bihar Electricity Regulatory Commission referred to in sub- section (1) of section 82 of the Act.(d)"Intra-State Transmission System (InSTS)" shall have the same meaning as defined in Section 2 (37) of the Act.(e)"Intra-State Transmission Licensee" means a licensee including a deemed intra- State transmission licensee authorized to establish, operate and maintain transmission lines of the intra- State Transmission System.(f)"User" means a user of any segment/ element of the intra-State Transmission System and shall include all generators, State Transmission Utilities, Discoms or load serving entities directly connected to the intra-State Transmission System including Bulk Consumers and any other entity/ person.(g)"Year" means a financial year.(2)Words and expressions used in these regulations and not defined herein but defined in the Act or any of the regulations made by the Commission, shall have the meanings as assigned to them respectively in the Act, and regulations made by the Commission from time to time.

Chapter 2
Objective, Norms and Methodology

4. Objective.

- The objectives of these regulations are to ensure compliance of the Standards of Performance by the intra-State transmission licensees and to provide for an efficient, reliable, coordinated and economical system of electricity transmission, non-adherence of which would entitle the affected parties to compensation.

5. Standards of Performance.

(1)All intra-State transmission licensees shall comply with the Standards of Performance specified in these regulations:(a)Transmission System Availability(i)The transmission system availability shall be calculated element-wise on monthly basis, in the manner as provided in the Bihar Electricity Regulatory Commission (Multi Year Transmission Tariff and SLDC Charges) Regulations, 2018, as amended from time to time and any subsequent enactment thereof.(ii)The deemed availability of the transmission elements under outage shall be as Specified in the Bihar Electricity Regulatory Commission (Multi Year Transmission Tariff and SLDC Charges) Regulations, 2018, as amended from time to time and any subsequent enactment thereof.(iii)The element-wise monthly availability

of the transmission system shall not be below the availability as given under:

Sl. No.	Transmission Elements	Availability (% of time)
(i)	AC Transmission line	90
(ii)	ICTs	90
(iii)	Reactors	90
(iv)	Static VAR Compensator	90
(v)	Series Compensator	90
(vi)	HVDC (Back-to-back Stations and bi-pole links)	85

Notes. - (1) Tower collapse shall not be counted for the purpose of calculation of monthly availability of AC transmission line and HVDC bi-pole line.(2)Failure of Inter-Connecting Transformer (ICT) and Reactor shall not be counted for the purpose of calculation of availability of Inter-Connecting Transformer and Reactor.(iv)The element-wise monthly availability shall be certified by the SLDC or Member Secretary of the State Power Committee.(b)Restoration time. - Restoration time for different types of failures of transmission line and Inter-Connecting Transformer (ICT) and reactors shall not exceed the following time limit:

Sl. No.	Types of failures	Restoration Time (Days)
1.	Insulator failure	
Plain Terrain	1	
Hilly Terrain	2	
2.	Tower after collapse by Emergency RestorationSystem (ERS)	12
3.	Tower after collapse	
Plain Terrain	30	
River Bed	50	
Hilly Terrain	50	
4.	Snapping of phase conductor	
Plain Terrain	2	
Hilly Terrain	3	
5.	Failure of earth wire	
Plain Terrain	2	
Hilly Terrain	3	
6.	Failure of Inter Connecting Transformers (ICTs)	
Restoration of the failed ICT	120	
7.	Failure of Reactors	
Restoration of the failed reactor	120	

6.

Any failure by the intra-State transmission licensee to maintain the standards of performance specified in these regulations shall render the said licensee liable to payment of compensation to an affected person claiming such compensation under the provisions of the Act.Provided that the payment of compensation by the Intra-State transmission licensee shall be without prejudice to any penalty, which may be imposed or any prosecution which may be initiated by the Commission as provided in the Act.

7. Methodology for compensation.

- An affected person who has suffered a loss on account of non-adherence to the Standard of Performance by any intra-State transmission licensee may make an appropriate application to the Commission for award of compensation:In case of non compliance of the order/ direction passed by the commission, proceeding u/s 142 of Electricity Act, 2003 will be initiated.Provided that the Commission shall determine the compensation after giving reasonable opportunity to the transmission licensees of being heard:Provided further that the compensation to be paid by the intra-State transmission licensee to the affected party shall be limited to the transmission charges as determine by the commission in the Tariff order from time to time.Provided further that the intra-State transmission licensee shall not be entitled to recover the amount of compensation awarded through tariff from the users of the transmission of electricity:Provided also that no claim for compensation shall be entertained if the application for the claim is filed after expiry of a period of ninety days from the end of the month when the availability of the transmission system falls short of the availability specified in Clause 5 (a) and ninety days from the date of restoration of transmission element, as the case may be, for the standards prescribed in Clause (b) of Regulation 5 of these regulations.

Chapter 3
Information to be Furnished by the Intra-State Transmission licensees

8. Information to be furnished by the intra-State Transmission Licensees.

(1)All intra- State transmission licensees, in accordance with section 59 of the Act, shall furnish to the Commission, (a) the level of performance achieved, and (b) the number of cases in which compensation was paid, and (c) the aggregate amount of the compensation, in the formats in the Schedule of these regulations.(2)Such information in the requisite formats shall be submitted to the Commission twice during the financial year, on six monthly basis by 31st October and 30th April for the periods April to September and October to March respectively.(3)All intra-State transmission licensees shall display on their websites the actual performance against the specified Standards of Performance on a monthly basis and the aggregate amount of compensation paid, if any, in the formats enclosed in the Schedule.

Chapter 4
Miscellaneous

9. Power to Relax.

- The Commission may, if it considers necessary or expedient to do so and for the reasons to be recorded in writing, relax adherence to any specific Standard of Performance during Force Majeure conditions such as war, mutiny, civil commotion, riot, flood, cyclone, Storm, lightning, earthquake, grid failure, and strike/curfew, lockout, fire affecting the intra-State Transmission Licensee's installations and operation activities, or under such other specific circumstances:Provided that the Intra-State Transmission Licensee shall not be discharged from its liability on account of its failure to maintain the Standards of Performance under these regulations if such failure can be attributed to the negligence or deficiency or lack of preventive maintenance of the intra-state transmission system or failure to take reasonable precaution which has resulted in loss to the affected person.

10. Power to remove difficulties.

- If any difficulty arises in giving effect to any of the provisions of these Regulations, the Commission may, by general or specific order, make such provisions not inconsistent with the provisions of the Act, as may appear to be necessary for removing the difficulty.

11. Power to Amend.

- The commission may, at any time after consultation with the licensees and other persons likely to be affected add, vary, alter, modify or amend any provisions of these regulations.

Schedule

I. AC Transmission Line/ ICT/ Static VAr Compensator/ Series Compensator/ HVDC (Back-to-Back Stations and Bi-Pole Links)/ Line Rectors/ Bus Reactors Outage Details for the month of _____

Element Name	Outage	Restoration	Duration of Outage Attributable to	Reason of Outage	% Availability	
Date Time	Date Time	Intra-State Transmission Licensee	Others	System constraint/ Natural calamity/ Militancy	Deemed Available	Reason of Outage
		Hrs:Min	Hrs:Min	Hrs:Min	Hrs:Min	

II. Elements where restoration time has exceeded the standards specified in Regulation 5 (b).

Element Name	Restoration time as specified in Regulation 5 (b)(in days)	Actual restoration time (in days)

III. Details of compensation paid by the intra-State transmission licensee

Element Name	Violation of Regulation 5 (a)	Violation of Regulation 5 (b)	Compensation paid (in Rs.)	
	% Availability prescribed	Actual % Availability	Restoration time prescribed (in days)	Actual restoration time (in days)
Total				

IV. Data to be furnished by the intra-State Transmission Licensees to SLDC(1)The Dependability Index defined as D=Nc/ (Nc+Nf)Where Nc is the number of correct operations during the given time interval and Nf is the number of failures to operate at internal power system faults(2)The Security Index defined as S= Nc/(Nc+Nu)where Nu is the number of unwanted operations.(3)The Reliability Index defined R= Nc/(Nc+Ni)where Ni is the number of incorrect operations and is the sum of NF and Nu.(4)From above 1/S+1/D= 1/R+1(5)The number of trippings of each transmission element. Five or more trippings of a transmission element in a month to be put on the website by the intra-State Transmission Licensees and reported to the Commission by SLDCNote. - 1. The data for these indices are presently prescribed for collection by the System Operator.

2. These indices shall be computed by the SLDC and furnished to the Commission on monthly basis.

V. Data to be compiled by the intra-State Transmission LicenseesThe restoration times for different types of failures of a transmission line and failure of Inter-Connecting Transformer (ICT) and reactor in the following format:

Sl. No.	Types of failures	Restoration Time (Days)
A.	Elements of the Transmission line for SingleCircuit (S/C), Double Circuit (D/C) and Multi-Circuit (M/C)towers for each KV class separately	
1.	Insulator failure	Terrain type

		Plain	River bed	Hilly
	(i) Insulator failure in single phase			
	(ii) Insulator failure in two phases			
	(iii) Insulator failure in three phases			
2.	Tower after collapse by Emergency RestorationSystem (ERS) for S/C, D/C and M/C separately			
3.	Tower after collapse without EmergencyRestoration System (ERS) for S/C, D/C and M/C separately			
4.	Tower damage (not collapse)			
	One arm damage			
	Two arms damage			
5.	Snapping of phase conductor			
	Conductor snapping in single phase			
	Conductor snapping in two phases			
	Conductor snapping in three phases			
6.	Failure of earth wire			
7.	Insulator failure with conductor snapping			
8.	Any other combination of failures			
B.	Elements of the sub-station for each kV classseparately			
1.	Failure of Inter Connecting Transformers(ICTs)			
Restoration of the failed ICT				
Other major failures in ICTs	Single phase unit	Three phase unit		
(i) Replacement of faulty bushings				
(ii) Replacement of failed/ blasted bushings				
(iii) Replacement of faulty tap changers				
2.	Failure of Reactors			
	Restoration of the failed reactor			