



# **Bihar State Load Despatch Centre (SLDC)**

Under  
Bihar State Power Transmission Company Limited (BSPTCL)

## **Petition**

For

**Prior Regulatory Approval of the Hon'ble Commission  
for Work wise & Scheme wise  
Capital Investment Plan and Capitalization**

Submitted to  
**Bihar Electricity Regulatory Commission**

Submitted by,  
**Chief Engineer (System Operations)**  
4<sup>th</sup> Floor, Vidyut Bhawan – I,  
Jawaharlal Nehru Marg,  
Patna – 800 021

05<sup>th</sup> December 2025

**Before the Hon'ble Bihar Electricity Regulatory Commission,**

**Patna, Bihar**

**Filing No.:**

**Case No.:**

IN THE MATTER OF:

**Filing of the Petition for the prior approval of Work wise & Scheme wise Capital Investment Plan and Capitalization under BERC (Procedure for filing Capital investment and Capitalisation plan) Regulations, 2018 along with the other guidelines and directions issued by the Hon'ble BERC from time to time and under the Electricity Act, 2003 read with the relevant guidelines.**

**AND**

IN THE MATTER OF THE APPLICANT

**State Load Despatch Centre (SLDC) under Bihar State Power Transmission Company Limited (herein after referred to as "SLDC" or "Petitioner"), which shall mean for the purpose of this Petition the Licensee, having its registered office at Vidyut Bhawan -I, Jawaharlal Nehru Marg, Patna - 800 021.**

**The Petitioner respectfully submits as under:**

1. State Load Despatch Centre (herein after referred to as 'SLDC' or 'Petitioner') under Bihar State Power Transmission Company Limited (BSPTCL), is responsible for optimum scheduling and despatch of electricity, monitor grid operations & other functions in the State of Bihar as enumerated under section 32 of the Electricity Act 2003.
2. The Hon'ble Commission (or "BERC") notified the Bihar Electricity Regulatory Commission (Procedure for filing Capital investment and Capitalisation plan) Regulations, 2018 on 13<sup>th</sup> July 2018. The aforesaid Regulations specifies the procedure to be followed by the SLDC to obtain the necessary prior approval of the Hon'ble Commission on the works to be taken up under Capital Investment Plan.
3. Regulation 6.2 of BERC (Procedure for filing Capital investment and Capitalisation plan) Regulations, 2018 provides for submission of Capital investment Plan every year with the ARR/Multi-year ARR Petition, as reproduced below:

*"6.2 The Licensee(s) shall submit the Capital investment Plan every year with the ARR/Multi-year ARR petition and it should inter-alia contain:*

- (a) Scheme wise Source wise actual capital expenditure and capitalization for previous year vis-a-vis projected in the investment plan for that year;*
- (b) Scheme wise Source wise actual capital expenditure and capitalization for first six months of current year vis-à-vis projected in the investment plan for that period;*
- (c) Scheme wise Source wise capital investment plan containing year wise schedule of capital expenditure and capitalization for next ten years starting from ensuing years. Based on actual expenditure and capitalization the rolling plan may get revised in subsequent filings. The capital investment plan should show scheme wise objective of the investment.*

*Provided that such capital investment plan seeking regulatory approval shall be supported with Detailed Project Report (DPR) duly approved by the competent authority.*

*Provided further that if DPR duly approved by the competent authority is not available till finalization of the capital investment plan, the licensee(s) may include such investment in the capital investment plan as mentioned above. However the licensee shall submit the approved*



*DPR to the Commission in its immediate next filing following approval of such DPR.*

*Provided also that the Capital investment (made out of internally generated fund) for which no DPR is prepared shall also be a part of capital investment plan as mentioned above. However the licensee shall submit such statement/report to substantiate the purpose and nature of investment duly approved by the competent authority."*

4. Accordingly, SLDC is filing this Petition before the Hon'ble Commission to seek prior regulatory approval for the proposed projects/schemes undertaken during FY 2025-26, which are proposed to be capitalized during the control period in FY 2025-26 and FY 2026-27, in accordance with the BERC (Procedure for Filing Capital Investment and Capitalization Plan) Regulations, 2018.
5. The present Petition is prepared in accordance with the provisions of the following Acts/Regulations namely:
  - Electricity Act, 2003.
  - BERC (Procedure for filing Capital investment and Capitalisation plan) Regulations, 2018, as amended time to time.
6. SLDC along with this petition is submitting information to the extent applicable and would make available any further information/additional data required by the Hon'ble Commission during the course of the proceedings.
7. In view of the above, SLDC respectfully prays that the Hon'ble Commission may be pleased to consider and approve the following:
  - a. Admit this Petition.
  - b. Examine the proposal submitted in the enclosed Petition for a favorable dispensation.
  - c. To kindly grant prior Regulatory approval as sought in this Petition for works to be carried out as submitted in this Petition.
  - d. To kindly approve the estimated cost for proposed capital investment as submitted in this Petition and accordingly approve the proposed funding for these projects.
  - e. To kindly pass through the difference in the cost estimates submitted in



- this Petition and actual Awarded cost discovered after the tender processing through competitive bidding, as the variation is beyond the control of SLDC.
- f. To kindly consider the impact of the capital expenditure and capitalization claimed in the current Petition in Case No. 53/2025, filed regarding the True-Up of FY 2024-25, the Annual Performance Review for FY 2025-26, the Annual Revenue Requirement for FY 2026-27, and the SLDC Operating Charges for FY 2026-27
  - g. Permit to propose suitable changes to the capital investment petition, prior to the final regulatory approval by the Hon'ble Commission.
  - h. Condone any inadvertent omission/errors/short comings and permit the petitioner to add/change/modify/alter this filing and make further submissions as may be required at a future date.
  - i. Pass such Order as the Hon'ble Commission may deem fit and appropriate keeping in view the facts and circumstances of the case.

**State Load Despatch Centre, Bihar  
Bihar State Power Transmission Company Limited (BSPTCL)  
Patna.**

Place: Patna.

Date: .....December, 2025.

**A.K. Chaudhary  
Chief Engineer (System Operation)**

## (1) Introduction

SLDC had filed a Petition seeking regulatory approval of Capital Expenditure for the Control Period from FY 2022-23 to FY 2024-25 in Case No. 05/2023. The Hon'ble Commission, after due consideration, was pleased to approve the same vide its Order dated 07.10.2023 in Case No. 05/2023.

The Hon'ble Commission, vide Tariff Order dated 28th March 2025, approved the Truing-up of FY 2023-24, the Annual Performance Review (APR) of FY 2024-25, the Business Plan and Multi-Year Aggregate Revenue Requirement (MYT ARR) for the Control Period from FY 2025-26 to FY 2027-28, and the SLDC Operating Charges for FY 2025-26, in accordance with the provisions of the MYT Regulations, 2021 and MYT Regulations, 2024. In this Tariff Order, SLDC had proposed zero capitalization in the Business Plan and MYT ARR for the Control Period from FY 2025-26 to FY 2027-28, as no capital expenditure or capitalization was envisaged at the time of filing the Tariff Petition.

At present, SLDC has planned to implement new projects during the Control Period, i.e., for FY 2025-26 and FY 2026-27, and is accordingly seeking prior regulatory approval for the same. Further, the Regulation 6.2 of BERC (Procedure for filing Capital investment and Capitalisation plan) Regulations, 2018 provides for submission of Capital investment Plan every year with the ARR/Multi-year ARR Petition, as reproduced below:

*"The Licensee(s) shall submit the Capital investment Plan every year with the ARR/Multiyear ARR petition and it should inter-alia contain:—*

*(a) Scheme wise Source wise actual capital expenditure and capitalization for previous year vis-a-vis projected in the investment plan for that year;*

*(b) Scheme wise Source wise actual capital expenditure and capitalization for first six months of current year vis-à-vis projected in the investment plan for that period;*

*(c) Scheme wise Source wise capital investment plan containing year wise schedule of capital expenditure and capitalization for next ten years starting from ensuing years. Based on actual expenditure and capitalization the rolling plan may get revised in subsequent filings. The capital investment plan should show scheme wise objective of the investment.*

*Provided that such capital investment plan seeking regulatory approval shall be supported with Detailed Project Report (DPR) duly approved by the competent authority.*



*Provided further that if DPR duly approved by the competent authority is not available till finalization of the capital investment plan, the licensee(s) may include such investment in the capital investment plan as mentioned above. However the licensee shall submit the approved DPR to the Commission in its immediate next filing following approval of such DPR."*

Accordingly, SLDC is filing this Petition before the Hon'ble Commission to seek prior regulatory approval for the proposed projects/schemes undertaken during FY 2025-26, which are proposed to be capitalized during the FY 2025-26 and FY 2026-27, in accordance with the BERC (Procedure for Filing Capital Investment and Capitalization Plan) Regulations, 2018.

SLDC proposes to capitalize two new projects in FY 2025–26 and three new projects in FY 2026–27, as detailed in the next section, for which prior regulatory approval is being sought from the Hon'ble Commission. All requisite supporting documents and approvals are being submitted along with this Petition.



## (2) Proposed Capitalization Plan

Projects Proposed for Capitalization During FY 2025-26 and FY 2026-27 are as follows:

Sl. No.	Name of Element	Original/ Awarded Cost (Rs. Crs)	Mode of Finance	Capitalization	
				FY 2025-26 (Rs. Crs)	FY 2026-27 (Rs. Crs)
1	Installation of 2X315KVA DT for providing new 150KVA HT power connection in Back up control , Gaya	0.34	IRF	0.34	
2	Installation of 11/0.433 KVA X 2 additional DT for providing 300 KVA HTS-1 Connection under ESSD Board Colony, ESD New Capital, PESU (W)	0.3	IRF	0.3	
3	Design, Supply, Erection, Testing and Commissioning for Implementation of Islanding Scheme for the city of Patna	9.79	PSDF+IRF		9.79
4	Precision AC installation at Breda Bhawan	1.33	IRF		0.97
5	Backup eWatch Server at the Backup SLDC, Chandauti GSS	5.99	IRF		3.04
	<b>Total</b>	<b>17.75</b>		<b>0.64</b>	<b>13.8</b>





## **1. Installation of 2X315 KVA DT for providing new 150 KVA HT power connection in Back-up Control, Gaya**

SLDC proposes the project for installation of 2×315 KVA Distribution Transformers (DTs) to provide a new 150 KVA HT power connection at the Backup Control Centre (BCC), Gaya, to ensure uninterrupted and reliable power supply for critical grid operation activities. The project became necessary due to the enhanced electrical load arising from expansion of SLDC's backup functions and integration of additional SCADA and IT infrastructure.

As the BCC functions as a redundant operational control centre to maintain continuity of system operation during contingencies at the main SLDC, reliable and redundant power supply is indispensable. The installation of these DTs ensures continuity of grid monitoring, communication, and control functions even under outage scenarios, thereby strengthening overall system resilience.

The technical approval letters are enclosed in **Annexure-A** for the ready reference of the Hon'ble Commission. Accordingly, SLDC respectfully requests the Hon'ble BERC to grant prior regulatory approval for the same.

## **2. Installation of 11/0.433 kV × 2 Additional DTs (300 KVA) for HTS-1 Connection at ESD Board Colony, ESD New Capital, PESU(W)**

SLDC proposes this project to augment the existing power supply arrangement by installing two 300 KVA Distribution Transformers at the ESD Board Colony, PESU (W), to ensure uninterrupted supply to the SLDC communication and data hub established at this location. This data hub hosts critical servers and telemetry equipment forming part of the state-wide SCADA and communication network managed by SLDC.

The augmentation was essential to meet the enhanced connected load from expansion of SLDC's data and communication infrastructure and to introduce redundancy against transformer failure, ensuring 24×7 reliable operation of the state telemetry system. The project directly supports SLDC's statutory responsibility of real-time grid monitoring and secure communication under Section 32 of the Electricity Act, 2003.

The technical approval letters are enclosed in **Annexure-B** for the ready reference of the Hon'ble Commission. Accordingly, SLDC respectfully requests the Hon'ble BERC to grant prior regulatory approval for the same.



### **3. Design, Supply, Erection, Testing & Commissioning of Islanding Scheme for the City of Patna**

SLDC proposes this project for implementation of the Islanding Scheme for the City of Patna, a critical grid-security initiative aimed at safeguarding the state capital from total grid collapse during major disturbances. The scheme enables automatic isolation of the Patna network and real-time load-generation balancing, thereby maintaining supply to essential establishments such as hospitals, defence, and government facilities during grid contingencies.

This project is being undertaken as per directions of the Central and State Load Despatch Centres and is vital for enhancing grid resilience and operational security. SLDC, being the nodal agency for system operation, is responsible for execution and integration of the scheme with real-time control infrastructure.

The Board of Directors (BoD) approval letter, Detailed Project Report (DPR), and NIT notification are enclosed in **Annexure-C** for the ready reference of the Hon'ble Commission. Accordingly, SLDC respectfully requests the Hon'ble BERC to grant prior regulatory approval for the same.

### **4. Precision AC Installation at Breda Bhawan**

SLDC proposes this project for installation of precision air-conditioning systems at Breda Bhawan, where the central data-processing and SCADA server rooms are housed. The earlier AC units were insufficient to manage the heat load generated by the upgraded SCADA servers, communication racks, and fire-alarm systems.

To maintain optimal temperature and humidity levels and ensure uninterrupted equipment performance, SLDC installed high-efficiency precision AC units capable of 24×7 operation. This measure safeguards sensitive equipment, ensures operational reliability, and prevents data loss or system downtime—essential for continuous grid supervision.

The total project cost of Rs. 1.33 crore has been apportioned between Capitalization and Repair & Maintenance (R&M), with Rs. 0.97 crore proposed under Capitalization for FY 2026-27, and Rs. 0.36 crore to be claimed under R&M over six years from FY 2027-28.

The Detailed Project Report (DPR) and Technical Sanction Approval Letter are enclosed in **Annexure-D** for the ready reference of the Hon'ble Commission. Accordingly, SLDC respectfully requests the Hon'ble Commission to grant prior regulatory approval for the

same.

#### **5. Establishment of Backup eWatch server at Backup SLDC at Chandauli GSS and Shifting of eWatch Server from existing SLDC at Vidyut Bhawan to BREDA BHAWAN, Patna**

The e-Watch server at the Backup SLDC forms a vital component of the integrated state-wide grid monitoring system. It provides real-time data visualization, event logging, and alarm management for both SLDC and field control centres. Installation of a backup server at Chandauti ensures redundancy and business continuity in case of any primary server outage at the main SLDC facility. This project strengthens the disaster-recovery and cybersecurity framework of the SLDC in line with national system operation standards.

The total project cost for the Establishment of Backup e-Watch Server at Backup SLDC, Chandauti GSS is Rs. 5.99 crore. Out of this, SLDC is capitalizing only the supply portion amounting to Rs. 2.94 crore, representing the total price for the supply of all items required for establishing the backup e-Watch server. The remaining Rs. 2.92 crore pertains to the service component, which includes the cost of installation, commissioning, 3 years of Annual Maintenance Contract (AMC), and 3 years of Security Audit, and is therefore being claimed under Repair & Maintenance (R&M) expenses starting from FY 2026-27 onwards for a period of three years.

Additionally, an amount of Rs. 0.12 crore has been incurred towards installation and service costs associated with the shifting of the existing e-Watch Server from SLDC Vidyut Bhawan to Breda Bhawan, which is also being claimed under R&M for FY 2026-27. The break-up of the total project cost is enclosed in **Annexure-E** for the ready reference of the Hon'ble Commission.

The Board of Directors (BoD) approval letter, Detailed Project Report (DPR), NIT notification, and the Annual Maintenance Cost (AMC) bifurcation for this project are also enclosed in **Annexure-E**. Accordingly, SLDC respectfully requests the Hon'ble Bihar Electricity Regulatory Commission (BERC) to grant prior regulatory approval for the same.

