Additional Capital Investment Plan for MYT Control Period FY 2022-25

Submitted to:

Chhattisgarh State Electricity Regulatory Commission, Raipur

October, 2024

Chhattisgarh State Power Distribution Company Limited, Raipur

(A government of Chhattisgarh Undertaking)
Office of Executive Director (RA&PM), CSPDCL,
4th floor, Vidyut Sewa Bhavan, Dangania, Raipur-492013
Tel.: 0771-2574441, Email: cecomcseb@rediffmail.com

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CHHATTISGARH STATE POWER DISTRIBUTION COMPANY LIMITED



(A Government of Chhattisgarh Undertaking) (A Successor Company of CSEB) CIN U40108CT2003SGC015822

OFFICE OF EXECUTIVE DIRECTOR (RA&PM), CSPDCL, Raipur

Email ID:cecomcseb@rediffmail.com, Phone (0771) 2574441, website:www.cspdcl.co.in

No.02-02/RAC/EE/1/

Raipur, Date:

To,

The Secretary, Chhattisgarh State Electricity Regulatory Commission, Irrigation Colony, Shanti Nagar, Raipur, Chhattisgarh - 492 001

Sub: Submission of petition for approval of Additional Capital Investment Plan (CIP) for the period FY 2022-25

Dear Sir,

In exercise of its powers conferred under section 61 of the Electricity Act, 2003, the Hon'ble Commission has notified the CSERC (Terms and Conditions for determination of tariff according to Multi-Year Tariff principles and Methodology and Procedure for determination of Expected revenue from Tariff and Charges) Regulations, 2021 (hereinafter referred as "CSERC MYT Regulations, 2021") vide dated 18.11.2021.

Accordingly, and with the provisions mentioned in the above Regulations, CSPDCL is herewith submitting petition for approval of additional Capital Investment Plan for the FY 2024-25 for consideration of the Hon'ble Commission. We enclose herewith the following documents for your perusal and approval of the Hon'ble Commission:

- 1. Petition, Annexures and Affidavit verifying the petition.
- 2. Petition for approval of Additional Capital Investment Plan for the FY 2022-25 in three copies.
- 3. Petition Fee of Rs. 20,000 /- (Rupees Twenty Thousand only) through NEFT (Transaction No001690377115, Dated 24.10.2024) in accordance with Item no. 17 of Schedule 1 of CSERC (Fees and Charges) Regulation, 2009.

We request the Hon'ble Commission to kindly admit the aforesaid petition and process the petition as per regulations. It is also requested to the Hon'ble Commission to kindly provide CSPDCL an opportunity of personal hearing to further clarify/explain/ add/amend our submissions in respect of this Petition.

Thanking You,

Encl.: As above

Executive Director (RA&PM)

CSPDCL: Raipur

Petition for Approval of Additional of CIP for FY 2024-25

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BEFORE THE CHHATTISGARH STATE ELECTRICITY REGULATORY COMMISSION, RAIPUR

IN THE MATTER OF

Petition for approval of the additional Capital Investment Plan (CIP) for FY 2022-25 under Section 62 and 64 of the

Electricity Act, 2003

AND

PETITION BY

Chhattisgarh State Power Distribution Company limited

(hereinafter referred as "CSPDCL' or "the Petitioner' or

Applicant)

The Applicant respectfully submits as under: -

- 1. Petitioner is a Distribution Licensee in the areas as notified by the Government of Chhattisgarh (GoCG) under the CSLB Transfer Scheme Rules, 2010.
- 2. Petitioner submits that the Hon'ble Commission vide order dtd. 21.06.2021 and 30.10.2021 has approved the Capital Investment Plan for FY 2021-22 in Petition No. 21 of 2021 filed by CSPDCL.
- 3. Petitioner submits that the Hon'ble Commission has notified the CSERC (Terms and Conditions for determination of tariff according to Multi-Year Tariff principles and Methodology and Procedure for determination of Expected revenue from Tariff and Charges) Regulations, 2021 (hereinafter referred as "CSERC MYT Regulations, 2021") vide gazette notification dated 18.11.2021.; in exercise of powers conferred on it by Section 61 read with Section 181(2) of the Electricity Act 2003 (No. 36 of 2003) and to enable determination of Capital Investment as per provisions 7 of the said Regulations.
- 4. Petitioner accordingly submits that in line with the provisions of the MYT Regulations, 2021 it had filed the petition for Approval of Capital Investment Plan for the FY 2022-23 to FY 2024-25.
- 5. Hon'ble Commission vide order dated 27.04.2022 in Petition No. 04 of 2022 approved the Capital investment Plan for FY 2022-23 to FY 2024-25.
- 6. For additional CIP for FY 2022-23, CSPDCL had filed a petition (Petition No. 04 of 2023), which was approved by the Hon'ble Commission vide order dtd. 16.03.2024.

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7. Petitioner is filing the instant petition for approval of additional Capital Investment Plan for the period FY 2021-22 to FY 2024-25.

8. PRAYER TO HON'BLE COMMISSION

The petitioner most respectfully prays to Hon'ble Commission:

- (i) To invoke the power conferred to it under relevant sections of Electricity Act, 2003 read with clause 7 of MYT Regulations, 2021 and to admit the present petition seeking approval of additional Capital Investment Plan for FY 2022-25.
- (ii) To pass any other orders as the Hon'ble Commission may deem fit and proper under the facts and circumstances of the present case and to meet the interest of justice.
- (iii) To condone any error/omission in the petition and to rectify the same.
- (iv) The present filing is being done on the basis of best available information and in case of any change, the Petitioner may be permitted to make further submissions, additions and alteration to the petition as may be necessary during the regulatory process.

In light of the above, petitioner most humbly submits the present petition for kind consideration.

Dated:

Petitioner

Executive Director (RA&PM)

CSPDCL: Raipur

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NOTES AND ABBREVATIONS

In this petition

- ✓ MYT period is defined as control period of 3 years beginning from 01.04.2022 to 31.03.2025.
- ✓ Ensuing year is defined as Financial Year 2025-26.
- ✓ Current year is defined as Financial Year 2024-25.
- ✓ Previous year is separately defined as Financial Year 2023-24.
- ✓ All currency figures used in this petition, unless specifically stated otherwise, are in Rs. crores.

| Abbreviation | Full Description , |
|--------------|---|
| AJY | Atal Jyoti Yojna |
| CIP | Capital Investment Plan |
| CSEB | Chhattisgarh State Electricity Board |
| CSERC | Chhattisgarh State Electricity Regulatory Commission |
| CSPDCL | Chhattisgarh State Power Distribution Company Limited |
| DT | Distribution Transformer |
| FIN | Financial |
| FY | Financial Year |
| HT | High Tension |
| Km | Kilo Meter |
| KV | Kilo Volt |
| KVA | Kilo Volt Ampere |
| LT | Low Tension |
| MPSEB | Madhya Pradesh State Electrical Board |
| MYT | Multi Year Tariff |
| ND | Normal Development |
| PHY | Physical |
| Rs | Rupees |
| R&M | Repair & Maintenance |



1. Background

- 1.1 Chhattisgarh State Electricity Board (CSEB) was a part of the erstwhile Madhya Pradesh State Electricity Board (MPSEB) till 2000. It became a separate entity with the formation of the State of Chhattisgarh. The board functioned as unified entity till December 2008 when the State Government notified a transfer scheme for unbundling it. The transfer scheme resulted in the formation of five successor entities for undertaking the functions of the erstwhile board. Chhattisgarh State Power Distribution Company Limited (CSPDCL) is one of the five successor entities, formed for undertaking the 'Distribution function' of CSEB. CSPDCL started its operations on 1st January 2009.
- 1.2 To increase private sector participation and provide more certainty to the utilities regarding tariff, most State Electricity Regulatory Commission including Chhattisgarh State Electricity Regulatory Commission (CSERC) have moved from an annual tariff framework to a multi-year tariff regime, with an aim to bring about clarity on regulatory principles, reduce regulatory risks and incentivize efficient operations from utilities. The multi-year tariff framework provides greater regulatory certainty by providing utilities a longer period to plan, forecast and implement their efficiency improvement plan..
- 1.3 Chhattisgarh State Electricity Regulatory Commission by exercising its powers conferred under Section 61 read with Section 181(2) of the Electricity Act, 2003 and all other powers enabling it in this behalf, notified the CSERC (Terms and Conditions for determination of tariff according to Multi-Year Tariff principles and Methodology and Procedure for determination of Expected revenue from Tariff and Charges) Regulations, 2021 (hereinafter referred as "CSERC MYT Regulations, 2021") vide gazette notification dated 18.11.2021.
- 1.4 In the regulation 7, the Commission envisages the filing of capital investment plan for the entire control period, with details for each year of the control period. In compliance to the provisions of the CSERC MYT Regulation 2021, CSPDCL submitted a detailed business/ capital investment plan for the control period 2022-23 to 2024-25. Hon'ble Commission vide order dated 27.04.2022 in Petition No. 04 of 2022 approved the Capital Investment Plan for the control period FY 2022-23 to FY 2024-25.
- 1.5 The MYT Regulations, 2021 clause 7.5 has the provision that the distribution licensee may file additional CIP to meet urgent requirements. Accordingly, the petition is being filed for kind consideration of the Hon'ble Commission.

2. ADDITIONAL CAPITAL INVESTMENT

2.1 The Hon'ble Chhattisgarh State Electricity Regulatory Commission (CSERC) had passed orders dtd. 21.06.2021 and dtd. 30.10.2021 for approval of the Capital Investment Plan (CIP) for extended year FY 2021-22 vide Petition No. 21 of 2021 filed by CSPDCL. Hon'ble Commission had approved Rs. 59.50 crores vide order dtd. 21.06.2021 and Rs. 136.18 crores vide order dtd. 30.10.21 towards Normal Development (ND) (Obligatory) under the head of partly or fully CSPDCL funded schemes. The break of the same is reproduced below:

Table-1. Approved additional capital expenditure under ND (Obligatory) scheme for FY 2021-22 vide order dtd. 21.06.2021

| Sr. No. | Name of the Scheme | Amount (Rs. in crores) |
|------------|---|---------------------------|
| 1 | Expenditure for augment in distribution transformer for supply | 46.00 |
| | of electricity to agriculture pump connections | 10.50 |
| 2 | For providing safe passage to wildlife animals specially | 13.50 |
| | Elephant by raising height of electric poles to increase ground | |
| | clearance. | =0. |
| | Total | 59.50 |

Table-2. Approved additional capital expenditure under ND (Obligatory) scheme for FY 2021-22 vide order dtd. 30.10.2021

| Sr. No. | Name of the Scheme | Amount (Rs. in crores) |
|------------|--|------------------------|
| 1 | Purchase of meters and metering equipments | 80.00 |
| 2 | Expenditure towards extension/Augmentation of distribution system subsequent to CSERC order dtd. 19.04.2018 in Suo-Motu Petition No. 54/2017 | 30.00 |
| 3 | Re-appropriation of approved funds from O&M to ND in pursuance to CSERC order dtd. 03.03.2020 (AJY) | 24.79 |
| 4 | Purchase of meter testing equipments in pursuance to CSERC order dtd. 10.01.2020 in Petition No. 75/2019 | 1.39 |
| | Total | 136.18 |

2.2 As per the CSERC MYT Regulation, 2021, CSPDCL had filed a petition for approval of Capital Investment Plan (CIP) for the MYT control period FY 2022-23 to FY 2024-25. Hon'ble Commission registered this petition as Petition No. 04 of 2022 and after completion of juridical process, passed an order dated 27.04.2022 for approval of the same. The Summary of Capital investment plan approved by Hon'ble Commission is tabulated below:

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Table-3. CIP approved by Hon'ble Commission for the control period FY 2022-23 to FY 2024-25

(Rs. Crore)

| Sr. No | Name of the Scheme | FY 2022-23 | FY 2023-24 | FY 2024-25 | Grand Total |
|--------|--|------------|------------|------------|-------------|
| Α | Government Funded Schemes | 5,629.02 | 2,380.52 | 2,146.66 | 10,156.20 |
| В | Partly or Fully CSPDCL Funded Schemes | 411.80 | 434.92 | 419.68 | 1,266.40 |
| С | Fully Funded by Consumer Contribution | 150.00 | 150.00 | 150.00 | 450.00 |
| D | TOTAL | 6,190.82 | 2,965.44 | 2,716.34 | 11,872.60 |

Table-4. CIP approved by Hon'ble Commission towards ND (Obligatory) schemes for control period FY 2022-23 to FY 2024-25

| | | FY 2022-23 | | FY 2023-24 | | FY 2024-25 | |
|-----------|-----------------------------|------------|------------------|--------------|------------------|--------------|--------------------|
| Sr. No | Name of the Scheme | PHY (No.) | Fin (Rs. Cr.) | PHY (No.) | Fin (Rs. Cr.) | PHY (No.) | Fin - (Rs. Cr.) |
| Α | 33 kV lines | 35 | 4.20 | 35 | 4.55 | 35 | 4.55 |
| В | 11 kV lines | 150 | 15.50 | 150 | 15.50 | 150 | 15.50 |
| С | LT Lines | 250 | 6.00 | 250 | 6.00 | 250 | 6.00 |
| D | Distribution Transformer | | | | | | |
| i. | New | 250 | 10.00 | 250 | 10.00 | 250 | 10.00 |
| ii. | Augmentation | 500 | 13.00 | 500 | 13.00 | 500 | 13.00 |
| E | Service Connection | | | | | | |
| i | Single Phase | 90000 | 28.01 | 90000 | 28.01 | 90000 | 28.01 |
| ii | Three Phase | 20000 | 12.11 | 20000 | 12.11 | 20000 | 12.11 |
| iii | H.T Connection | 200 | 0.06 | 200 | 0.06 | 200 | 0.06 |
| F | Other Works | | 31.11 | | 30.76 | | 30.76 |
| | Total | | 120.0 | | 120.0 | | 120.0 |

2.3 Due to requirement of additional fund of Rs. 150 crores under ND (Obligatory) scheme and Rs. 215 crores towards rationalization of expenses, CSPDCL had filed petition (Petition No. 04 of 2023) for approval of additional CIP for FY 2022-23. Hon'ble Commission vide order dtd. 16.03.2023, approved the additional CIP for FY 2022-23. Under this order, Rs. 365 crores was approved for ND (obligatory) works under the head of partly or fully CSPDCL funded schemes. The breakup for same are as given below:

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Table-5. Additional CIP approved by Hon'ble Commission for FY 2022-23

| Sr. No. | Name of the Scheme | PHY (No./Km) | Amount (Rs. in crores) |
|------------|---|-----------------|------------------------------|
| A. Ne | w Works Identified Post CIP | | |
| . 1 | Additional Distribution Transformer (63 KVA) | 1778.00 | 44.78 |
| 2 | 11 KV lines associated with Additional | 834.20 | 35.76 |
| | Transformer | 0.15.50 | 14.00 |
| 3 | LT Lines associated with Additional Transformer | 345.50 | 14.88 |
| 4 | Augmentation of Distribution Transformer | 1157.00 | 13.60 |
| 5 | Conversion of LT Lines 1 Phase to 3 Phase | 1116.26 | 40.98 |
| | Sub-Total A | | 150.00 |
| B. Ad | ditional CIP due to Rationalization of Expenses | | |
| 1 | Expenditure from R&M expenses recognized as | | 215.00 |
| - | Capital Expenditure | | |
| | Sub-Total B | | 215.00 |
| | Grand Total (A+B) | | 365.00 |

- 2.4 According to above mentioned CIP petitions, total Rs. 920.68 crores (360 crores + 365 crores + 136 crores + 59.50 crores) has been approved under ND (Obligatory) scheme for the period FY 2021-22 to FY 2024-25 (4 year).
- 2.5 As per the Supply Code clause 4.2, the licensee shall bear the cost for strengthening /upgradation of the system for quality supply to the existing consumers, which shall be recovered from the consumers through tariff. The Normal Development Scheme predominantly covers the work required for extending the power supply to the consumers i.e. releasing of connections. The scheme also encompasses some quality improvement initiatives such as distribution system strengthening up to 11kV, installation of additional distribution transformers etc. to provide quality, and reliable power supply to the existing consumers. The licensee is also required to install meter and metering equipment, to consumer's premises at the time of serving new connections. The expenditure towards these is also met out from this scheme.
- 2.6 The actual expenses incurred under ND scheme for the period from FY 2021-22 to FY 2023-24 is Rs. 1152.14 crores. Details of work undertaken under ND (Obligatory) scheme required as per regulatory guidelines is shown below:

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Table-6. Detail of work progress under ND (Obligatory) Scheme (Rs. in Crores)

| Sr. Name of the | | the FY 2021-22 | | FY 2022-23 | | FY 2023-24 | |
|-----------------|---|----------------|--------|------------|--------|------------|--------|
| No | Scheme | PHY | FIN | PHY | FIN | PHY | FIN |
| 1 | 33 kV lines (km) | 28 | 1.26 | 3.62 | 0.25 | 158.11 | 11.07 |
| 2 | 11 kV lines (km) | 225 | 6.30 | 391.7 | 17.63 | 1351.59 | 64.88 |
| 3 | LT Lines (km) | 176 | 6.16 | 515.43 | 22.16 | 2462.56 | 78.80 |
| 4 | Distribution Transformer | | | | | 0140 | 325.92 |
| i. | New (no.) | 320 | 61.44 | 5531 | 193.59 | 8148 | 323.92 |
| ii. | Augmentation (no.) | 54 | 0.81 | 480 | 15.36 | 1321 | 42.27 |
| 5 | Service Connection | | | | | | |
| ì | Single Phase (no.) | 89726 | 6.28 | 215777 | 21.58 | 231108 | 20.80 |
| ii | Three Phase (no.) | 16092 | 4.83 | 47125 | 15.08 | 55986 | 16.80 |
| iii | HT Connection (no.) | 55 | 0.13 | 233. | 0.16 | 270 | 0.27 |
| 6 | Other Works (Replacement of failed power/ distribution. transformer, LT/HT stop defective meters, and broken poles) | | 54.69 | | 116.11 | | 47.21 |
| | Total | | 141.85 | | 401.90 | | 608.39 |

During FY 2022-23, against the approved quantity of 250 nos. for new transformers and 500 nos. for augmentation, total of 5531 nos. 11/0.4 kV new transformers and 480 nos. transformers against augmentation has been installed respectively during same period. Similarly, for FY 2023-24, 250 nos. transformers were approved under new transformers and 500 nos. were approved against augmentation. However, against the same, 8148 nos. new transformers and 1321 transformers ware installed against augmentation respectively. The reason for additional expenditure is due the fact that due to COVID-19 extension of 33kV, 11kV and LT line and installation and augmentation of distribution transformer was affected in FY 2021-22, therefore, pending work of FY 2021-22 was completed in FY 2022-23 and FY 2023-24. Therefore, major expenditure was used for installation and augmentation of distribution transformers for FY 2022-23 and FY 2023-24.

2.9 To ensure quality power supply to the consumers, extension & infrastructure development works are being carried out in the FY 2024-25 as well. All work required for serving new connections, distribution system strengthening 33kV / 11kV / LT line, installation of distribution transformer, system improvement work to resolve low voltage problem, meter and metering equipment for new service connection and for replacement of stop defective meters, replacement of failed and defective transformer, raising the height of electric poles or line and erecting mid span poles to provide safe passage to wild animals, specially elephants, replacement of broken or damage / rusted poles due to nay accidents, strong winds, rain or storn; etc. is carried out under this scheme. Scheme-wise expenditure under ND (Obligatory) Scheme for FY 2024-25 are given below:

Table-7. Scheme-wise prospective expenditure under ND (Obligatory) Scheme for FY 2024-25

(Rs. in Crores)

| S.No. | Scheme head | 01.04.24 to 31.03.25 (Prospective) |
|--------|---|--|
| | Normal Development (032) | 120 |
| 1 | LT New Service Connection (061) | 170 |
| 3 | Store Material (Transformer/Meter/Pole/Cond./Cable | 90 |
| | /Other) (061M) HT New Service Connection (062) | 20 |
| 4 5 | Store Material (Transformer/Meter/Pole/Cond./Cable | 8 |
| | /Other) (062M) Stop Defective Meter Replacement (032D) | 27.54 |
| 6 | Mid Span Pole & Damage Pole Replacement (032P) | 200 |
| 7 | Mid Span Pole & Dalliage Pole Replacement (032T) | 120 |
| 88 | Failed Transformer Replacement (032T) | 35 |
| 9 | Augmentation of DTs in low voltage pump (032A) | 00 |
| 10 | Mid span poles to provide safe passage to wild animals specially Elephants (032B) | 120 |
| | Total | 910.54 |

2.10 Expenditure involved in distribution schemes for lines, 11/0.4 kV substation, expenditure towards meters, metering equipment and necessary upgradation of infrastructure to extend quality supply to existing consumers are covered under "ND (Obligatory) Scheme". Brief of approved CIP and actual capital expenditure from FY 2021-22 to FY 2024-25 towards ND (Obligatory) scheme is given in the table below:

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Table-8. Approved CIP and actual capital expenditure from FY 2021-22 to FY 2024-25 towards ND (Obligatory) scheme

(Rs. in Crores)

| Particulars | FY 2021-22 | FY 2022-23 | FY 2023-24 | FY 2024-25 | Total |
|-----------------------|------------|------------|------------|------------|---------|
| Approved | 195.68 | 485 | 120 | 120 | 920.68 |
| expenditure Actual | 141.81 | 401.90 | 608.39 | 910.54 | 2062.64 |
| expenditure | 141.01 | .020 | | | |
| Additional Capital | (53.87) | (83.10) | 488.39 | 790.54 | 1141.96 |
| Expenditure | | | | | |

- 2.11 As evident from the above table, the total CIP approved under ND (Obligatory) scheme from FY 2021-22 to FY 2024-25 is Rs. 920.68 crores, whereas actual expenditure is Rs. 2062.64 crores. Hence, there is a difference of Rs. 1141.96 crores in approved CIP and actual expenditure.
- 2.12 Accordingly, an additional Capital Investment Plan of Rs. 1141.96 crores is proposed for FY 2024-25. The infusion of funds will be through equity by CSPDCL. Brief of proposed capital expenditure form FY2021-22 to FY 2024-25 along with funding pattern towards each scheme is given in the **Annexure-I**.

3. Funding Pattern of Additional Capital Expenditure

3.1 CSPDCL proposes that the capital expenditure of Rs. 1141.96 crores towards Normal Development (Obligatory) work during the control period from FY 2021-22 to FY 2024-25, will be through its own equity.

4. Prayer

4.1 **PRAYER:** CSPDCL humbly requests the Hon'ble Commission to approve the cumulative additional capital expenditure of Rs. 1141.96 crores towards Normal Development (Obligatory), incurred during FY 2021-22 to FY 2023-24 and the prospective additional expenditure for FY 2024-25 with funding pattern as mentioned above.

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