छत्तीसगढ़ राज्य
विद्युत नियामक आयोग

Index

BEFORE HON'BLE CHHATTISGARH STATE ELECTRICITY REGULATORY COMMISSION, RAIPUR

PETITION NO. ...../.....

Chhattisgarh State Power Distribution Company Limited : **Petitioner**

Through Executive Director (RA&PM)
4th Floor, Sewa Bhawan, Dangania,
Raipur, Chhattisgarh – 492013

IN THE MATTER OF :

Petition for the approval of additional Capital Investment Plan for MYT control period FY 2023-24 under Section 62 and 64 of the Electricity Act, 2003.

INDEX

S.No.	Particulars	Page No.
01.	Petition	1-13
02.	Affidavit	14

Place : Raipur
Date : 28.08.2023

Petitioner
Executive Engineer
O/o The Executive Director (R.A.&P.M.)
C.S.P.D.C.L. Raipur

Petition

[C.S.P.D.C.L]

Additional Capital Investment Plan for MYT Control Period FY 2023-24

Submitted to:

Chhattisgarh State Electricity Regulatory Commission, Raipur

August, 2023

Chhattisgarh State Power Distribution Company Limited, Raipur
(A government of Chhattisgarh Undertaking) (A Successor Company of CSEB)
Regd. Off.: Vidyut Sewa Bhavan, Dangania, Raipur-492013
Tel.: 0771-2574441, Email: cecomcseb@rediffmail.com

No. 02-02/RA&PM/RAC/01/ Raipur, Dated:

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 for FY 2023-24

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 for consideration of the Hon'ble Commission. We enclose herewith the following documents for your perusal and approval of the Hon'ble Commission:

1. Formal Petition, Formats and Affidavit verifying the petition along with authorization.
2. Petition for approval of Additional Capital Investment Plan for the FY 2023-24 in six copies.
3. Petition Fee of Rs. 20,000 /- (Rupees Twenty Thousand only) through NEFT (Transaction No. 001022212544, Dated 25/08/2023, Bank Name- Union Bank of India) 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 proceed further in the matter at the earliest. We would also request the Hon'ble Commission to kindly provide us an opportunity of personal hearing to further clarify/explain/ add/amend our submissions in respect of this Petition.

Thanking You,

Yours Faithfully

Petitioner
Executive Engineer
O/o The Executive Director (R.A.&P.M.)
C.S.P.D.C.L. Raipur

Enclosed: As above

BEFORE THE CHHATTISGARH STATE ELECTRICITY REGULATORY COMMISSION, RAIPUR

IN THE MATTER OF	:	Filing of the petition for the approval of Additional Capital Investment Plan for FY 2023-24 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 petitioner respectfully submits as under: -

1. The petitioner is a distribution licensee in the areas as notified by the Government of Chhattisgarh (GoCG) under the CSEB Transfer Scheme Rules, 2010.

2. The 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.

3. The Petitioner accordingly submits that in line with the provisions of the MYT Regulations, 2021 it has filed the Petition for Approval of Capital Investment Plan for the FY 2022-23 to FY 2024-25.

4. Hon'ble Commission vide order dated 27.04.2022 in Petition No. 04 of 2022 approved the Capital investment plant for FY 2022-23 to FY 2024-25.

5. As per clause 7.6 of CSERC MYT Regulations 2021:

   "The licensee or the generating company, as the case may be, in case, where urgent action is required to mitigate threat to life and property take up urgent work, subject to prior intimation of the nature of urgency, brief about the proposed work and cost estimate. In such cases, ex post facto approval of the Commission may be obtained."

6. In line with the above the Petitioner is filing the instant petition for approval of additional capital investment plan for FY 2023-24.

7. 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 CSERC MYT Regulations, 2021 and to admit the present Petition seeking approval of additional capital investment plan for the FY 2023-24.

(ii) To pass any other order 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 CIP petition for kind consideration.

Dated:

Petitioner

Executive Engineer
O/o The Executive Director (R.A.&P.M.),
C.S.P.D.C.L. Raipur

Table of Contents

NOTES AND ABBREVIATIONS 7

1. Background 9

2. Additional Capital Investment 10

3. Funding Pattern of Additional Capital Expenditure 12

4. Prayer 13

List of Tables

Table 1. Capital Investment Plan Claimed for the Control 10

Table 2. Capital Investment Plan Approved by Hon'ble Commission for the Control 10

Table 3. Capital Investment Plan approved by Hon'ble Commission towards 11

Table 4. Funding Arrangement for Sub Transmission and System Improvement works .. 11

Table 5. Year wise percentage increment of peak demand in Chhattisgarh State 11

Table 6. Proposed work to be carried out under STN schmes 12

NOTES AND ABBREVIATIONS

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 2024-25**
- ✓ **Current Year is defined as Financial Year 2023-24**
- ✓ **Previous Year is separately defined as Financial Year 2022-23**
- ✓ **All currency figures used in this petition, unless specifically stated otherwise, are in Rs. Crore.**

Abbreviation	Full Description
APDRP	Accelerated Power Development and Reforms Program
ARR	Aggregate Revenue Requirement
AT&C	Aggregate Technical & Commercial
CERC	Central Electricity Regulatory Commission
BIS	Bureau of Indian Standards
BPL	Below Poverty Line
BRGF	Backward Region Fund
CGS	Central Generating Stations
CM	Cash Management
CPP	Captive Power Plant
CPSU	Central Public Sector Unit
CSEB	Chhattisgarh State Electricity Board
CSERC	Chhattisgarh State Electricity Regulatory Commission
CSPDCL	Chhattisgarh State Power Distribution Company Limited
CSPGCL	Chhattisgarh State Power Generation Company Limited
CSPHCL	Chhattisgarh State Power Holding Company Limited
CSPTCL	Chhattisgarh State Power Transmission Company Limited
CSPTrdCL	Chhattisgarh State Power Trading Company Limited
DMS	Document Management System
DE	De-electrified
DR	Data Repository
EA-2003	The Electricity Act 2003
EITC	Energy Info Tech Centre
ERP	Enterprises Resource Planning
FICO	SAP Finance and Control
FM	Fund Management
FY	Financial Year
GIS	Geographic Information System
GoCG	Government of Chhattisgarh
GoI	Government of India

Abbreviation	Full Description
Govt.	Government
HR	Human Resource
HT	High Tension
HV	High Voltage
HVDS	High Voltage Distribution System
IAP	Integrated Action Plan
IEEE	Institute of Electricals and Electronics Engineers
STN	Sub Transmission Network
ST&SI	Sub Transmission & System Improvement
CIP	Capital Investment Plan
RDSS	Revamped Distribution Sector Scheme
S/s	Sub-station

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.

2. Additional Capital Investment

2.1 CSPDCL filed a petition for approval of Capital Investment Plan for the control period FY 2022-23 to FY 2024-25, which is registered as Petition No. 04 of 2022. Hon'ble Commission vide its order dated 27.04.2022, disposed of this petition by approving the Capital Investment Plant for the period of FY 2022-23 to FY 2024-25. The summary of Capital Investment Plan claimed by CSPDCL and approved by Hon'ble Commission is tabulated below:

Table 1. Capital Investment Plan Claimed 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
A	Government Funded Schemes	5,629.02	2,380.52	2,146.66	10,156.20
B	Partly or Fully CSPDCL Funded Schemes	411.80	434.92	419.68	1,266.40
C	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 2. Capital Investment Plan 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
A	Government Funded Schemes	5,629.02	2,380.52	2,146.66	10,156.20
B	Partly or Fully CSPDCL Funded Schemes	411.80	434.92	419.68	1,266.40
C	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**

2.2 CSPDCL would like to inform that the projected expenditure of Rs. 690.61 Crore towards Sub Transmission and System Improvement (ST&SI) works are included under the head of "Partly or Fully CSPDCL Funded Schemes" in the approved Capital Investment Plan. The breakup of the same is as under:

Table 3. Capital Investment Plan approved by Hon'ble Commission towards Sub Transmission and System Improvement works

Sl. No.	Particulars	FY 2022-23		FY 2023-24		FY 2024-25		Total	
		PHY (Nos.)	FIN (Rs. Crore)	PHY (Nos.)	FIN (Rs. Crore.)	PHY (Nos.)	FIN (Rs. Crore.)	PHY (Nos.)	FIN (Rs. Crore.)
1	33 kV Line (km)	550	88.00	550	88.00	604	98.52	1704	274.52
2	33/11 kV S/s								
	i) New	28	25.20	28	25.20	29	26.10	85	76.50
	ii) Additional	19	13.68	19	13.68	20	14.40	58	41.76
	iii)Augmentation	12	3.82	12	3.82	14	4.46	38	12.11
3	11 kV Line (km)	364	54.60	330	49.50	400	60.00	1094	164.10
4	Other works		44.90		50.00		26.72		121.62
	Total		**230.20**		**230.20**		**230.20**		**690.61**

Table 4. Funding Arrangement for Sub Transmission and System Improvement works

Sl. No.	Particulars	Financial Mix	FY 2022-23	FY 2023-24	FY 2024-25
1	Total Capital Expenditure	100%	230.20	230.20	230.20
2	Loans Other	80%	184.16	184.16	184.16
3	CSPDCL Equity	20%	46.04	46.04	46.04

2.3 CSPDCL would like to submit that the peak power demand of the Chhattisgarh State has grown over the years in the following manner:

Table 5. Year wise percentage increment of peak demand in Chhattisgarh State

Year	Peak demand in MW	Percentage increase
2017-18	4192	
2018-19	4640	10.69%
2019-20	4728	1.90%
2020-21	4782	1.14%
2021-22	5057	5.75%
2022-23	5401	6.80%

During the Rubi and Kharif season, the pump load increases unexpectedly creating low voltage problem and over loading in the system, which in turn creates higher Transmission & Distribution (T&D) losses. Hence, a work plan has been prepared for a period of one year (FY 2023-24) to meet out the future demand and to strengthen the Sub Transmission Network (STN) in the State. The prediction/ assessment of load in a system is dependent on various factors such as future load growth, drought etc. Further, the Sub Transmission System is a dynamic system as the new substations and lines are connecting to it in regular manner. The

details of proposed work to be carried out under STN scheme in all the circles are shown below:

Table 6. Proposed work to be carried out under STN schmes

Sl. No.	Name of Circle	33/11 KV S/s (Nos.)	33KV line (Km)	11KV line (Km)	Addl. Power X-mer	Aug. of Power X-mer	Cost of the project (in Lakhs)
1	Raipur City-I	0	12.9	12.2	2	4	1036.505
2	Raipur City-II	0	2.2	8	4	2	1898.728
3	Raipur	1	45	33.2	3	5	1365.2
4	Baloda-Bazar	6	67	104	2	6	2594
5	Mahasamund	4	59.8	62.1	4	5	1959.103
6	Durg City	0	5.5	2.5	2	4	724.23
7	Durg	3	17	37.2	10	5	2163.59
8	Rajnandgaaon	4	34.7	38.2	5	3	2036.257
9	Kawardha	1	10	0	0	0	218.89
10	Jagdalpur	2	70	38	1	5	1588.43
11	Kanker	3	47.8	28.3	3	4	1454.683
12	Bilaspur City	1	10	1.6	2	0	497.156
13	Bilaspur	1	6	4	8	3	1174.99
14	Korba	0	0	37.1	6	2	881.165
15	Janjgir Champa	2	10.62	10	2	4	1154.1882
16	Raigarh	1	20	0	2	5	751.28
17	Ambikapur	2	9	15	1	2	891.82
18	Baikunthpur	1	32	21	1	2	837.95
	TOTAL	**32**	**459.52**	**452.4**	**58**	**61**	**23228.1652**
					With 10% hike		**25550.98**

2.4 Hon'ble CSERC has approved Rs. 690.61 Crore for the period from FY 2022-23 to FY 2024-25 under ST&SI works in Capital Investment Plan. CSPDCL would like to submit that there is additional requirement of Rs. 255.50 Crore for the FY 2023-24 as specified in para 2.3, for the proposed works to be carried out under Sub Transmission (Normal) scheme. These works have not included in the approved CIP for the control period FY 2022-23 to FY 2024-25.

2.5 CSPDCL would like to humbly pray to the Hon'ble Commission to allow this additional expenditure as part of Capital Expenditure for FY 2023-24.

3. Funding Pattern of Additional Capital Expenditure

3.1 Of the total proposed investment towards ST&SI works during the control period, CSPDCL proposes to obtain 80% of the cost of scheme as loan and remaining 20% will be borne by the Company or grant if any is provided by the State Government.

4. Prayer

4.1 Petitioner humbly requests Hon'ble Commission to approve the additional Capital Investment Plan of Rs. 255.50 Crore, under Sub Transmission & System Improvement Scheme for FY 2023-24, with funding as mentioned at para 3.1.

Affidavit

CANCELLED

NOTARY
I. C. TIWARY
NOTARY (ADVOCATE)
RAIPUR (C.G.) INDIA
Regd. No.
OG01/07/Raipur
20/10/22 to
Next 5 Years
GOVT. OF CHHATTISGARH

BEFORE THE HON'BLE CHHATTISGARH STATE ELECTRICITY REGULATORY COMMISSION, RAIPUR

Petition No. ....

IN THE MATTER OF-

Chhattisgarh State Power Distribution Company Limited ...Petitioner

AFFIDAVIT

I, Naveen Kumar Rathi, S/o. Shri Shyam Sundar Rathi, aged about 46 years, working as Executive Engineer, in O/o Executive Director (RA&PM), CSPDCL, Raipur has solemn affirmation and says as follows:

1. That I am the authorized signatory of Petitioner and as such fully aware with the facts of the present case.
2. That the present petition has been drafted as per my instructions and contents of the same made in paras 1 to 4 are true and correct according to my knowledge and belief and as per office records.
3. That nothing material is overstated or concealed in the accompanying petition.

NOTARY
I. C. TIWARY
NOTARY (ADVOCATE)
RAIPUR (C.G.) INDIA
Regd. No.
OG01/07/Raipur
20/10/22 to
Next 5 Years
GOVT. OF CHHATTISGARH

DEPONENT
Executive Engineer
O/o The Executive Director (R.A.&P.M.)
C.S.P.D.C.L. Raipur

VERIFICATION:

I, Naveen Kumar Rathi, do hereby verify on this 28 day of August, 2023 at Raipur that the contents of the above said affidavit are true and correct to my knowledge and information and nothing material has been concealed therefrom.

Identifying Witness
Tarun Kumar
Raipur (C.G.)

SOLEMNLY AFFIRMED OR SWORN BEFORE ME BY THE WITHIN NAMED.
I. C. TIWARY
NOTARY,
RAIPUR (C.G.)
28 AUG 2023

DEPONENT
Executive Engineer
O/o The Executive Director (R.A.&P.M.)
C.S.P.D.C.L. Raipur

14