

BEFORE
THE CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

Petition No. ____ /TT/ ____

IN THE MATTER OF: -

Petition for truing up of fees & charges for 2019-24 and determination of fees & charges for 2024-29 tariff block for **Communication Scheme under National Load Dispatch center (POWERGRID portion)** under Sub-section(4) of Section 28 of Electricity Act, 2003 and under the Regulation 15 (1) (a) and Regulation 23 of Central Electricity Regulatory Commission (Conduct of Business) Regulations, 2023 read with Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 and Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024.

Power Grid Corporation of India Ltd.

--- PETITIONER

Registered office: B-9, Qutab Institutional Area,
Katwaria Sarai, New Delhi. 110 016.
Corporate Centre: 'SAUDAMINI', Plot No-2,
Sector-29, Gurgaon-122 001 (Haryana).

--- RESPONDENT(S)

Uttar Pradesh Power Corporation Ltd.
Shakti Bhawan, 14, Ashok Marg
Lucknow - 226 001
Represented by Its Chairman
And others

FILED BY
POWER GRID CORPORATION OF INDIA LTD.

GURGAON

DATED: 22.11.2024

REPRESENTED BY


(V.C. Sekhar)
Sr. General Manager (Regulatory Cell)



BEFORE
THE CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

PETITION NO.:

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Uttar Pradesh Power Corporation Ltd.

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Lucknow - 226 001

Represented by Its Chairman

And others

----- **RESPONDENT(S)**

To
The Secretary
Central Electricity Regulatory Commission
New Delhi 110001

Sir,

The present tariff Petition is filed under Sub-section(4) of Section 28 of Electricity Act, 2003 and under the Regulation 15 (1) (a) and Regulation 23 of Central Electricity Regulatory Commission (Conduct of Business) Regulations, 2023 read with Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 and Central



Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 and same may please to be registered and taken on record by the Hon'ble Commission.

GURGAON

FILED BY

DATED:- 22.11.2024

POWER GRID CORPORATION OF INDIA LTD.

REPRESENTED BY

(V.C. Sekhar)
Sr. General Manager (Regulatory Cell)



BEFORE
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NEW DELHI

PETITION NO.:

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Uttar Pradesh Power Corporation Ltd.

----- RESPONDENT(S)

Shakti Bhawan, 14, Ashok Marg

Lucknow - 226 001

Represented by Its Chairman

And others

MEMO OF PARTIES

Power Grid Corporation of India Ltd.

VERSUS

--- PETITIONER

1. UTTAR PRADESH POWER CORPORATION LTD.
SHAKTI BHAWAN, 14, ASHOK MARG
LUCKNOW - 226 001
REPRESENTED BY ITS CHAIRMAN
2. AJMER VIDYUT VITRAN NIGAM LTD
CORPORATE OFFICE, VIDYUT BHAWAN,
PANCHSHEEL NAGAR, MAKARWALI ROAD
AJMER-305004 (RAJASTHAN)



REPRESENTED BY ITS MANAGING DIRECTOR

3. JAIPUR VIDYUT VITRAN NIGAM LTD
132 KV, GSS RVPNL SUB- STATION BUILDING,
CALIGIRI ROAD, MALVIYA NAGAR, JAIPUR-302017
(RAJASTHAN)
REPRESENTED BY ITS MANAGING DIRECTOR
4. JODHPUR VIDYUT VITRAN NIGAM LTD
NEW POWER HOUSE, INDUSTRIAL AREA ,
JODHPUR – 342 003(RAJASTHAN)
REPRESENTED BY ITS MANAGING DIRECTOR
5. HIMACHAL PRADESH STATE ELECTRICITY BOARD LTD
VIDYUT BHAWAN
KUMAR HOUSE COMPLEX BUILDING II
SHIMLA-171 004
REPRESENTED BY ITS CHAIRMAN
6. PUNJAB STATE POWER CORPORATION LIMITED
THE MALL, PSEB HEAD OFFICE, PATIALA - 147 001
REPRESENTED BY ITS CHAIRMAN AND MANAGING
DIRECTOR
7. HARYANA POWER PURCHASE CENTRE
SHAKTI BHAWAN, SECTOR-6
PANCHKULA (HARYANA) 134 109
REPRESENTED BY ITS S.E. / C & R-1
8. JAMMU KASHMIR POWER CORPORATION LIMITED
220/66/33 KV GLADNI SS SLDC BULIDING
NARWAL, JAMMU
REPRESENTED BY ITS CHAIRMAN
9. BSES YAMUNA POWER Ltd,
B-BLOCK, SHAKTI KIRAN, BLDG.
(NEAR KARKADOOMA COURT),
KARKADOOMA 2ND FLOOR,
NEW DELHI-110092
REPRESENTED BY ITS CEO
10. BSES RAJDHANI POWER Ltd,
BSES BHAWAN, NEHRU PLACE,
NEW DELHI
REPRESENTED BY ITS CEO
11. TATA POWER DELHI DISTRIBUTION LTD.
33 KV SUBSTATION, BUILDING
HUDSON LANE, KINGSWAY CAMP



NORTH DELHI - 110009
REPRESENTED BY ITS CEO

12. CHANDIGARH ELECTRICITY DEPTT.
CHANDIGARH ADMINISTRATION
SECTOR -9, CHANDIGARH.
REPRESENTED BY ITS CHIEF ENGINEER

13. UTTARAKHAND POWER CORPORATION LTD.
URJA BHAWAN
KANWALI ROAD
DEHRADUN.
REPRESENTED BY ITS MANAGING DIRECTOR

14. NORTH CENTRAL RAILWAY
ALLAHABAD.
REPRESENTED BY CHIEF ELECTRICAL
DISTRIBUTIONENGINEER

15. NEW DELHI MUNICIPAL COUNCIL
PALIKA KENDRA, SANSAD MARG,
NEW DELHI-110002
REPRESENTED BY CHAIRMAN

GURGAON

DATED: 22.11.2024

PETITIONER
POWER GRID CORPORATION OF INDIA LTD.
REPRESENTED BY


(V.C. Sekhar)
Sr. General Manager (Regulatory Cell)



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Uttar Pradesh Power Corporation Ltd.

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Lucknow - 226 001

Represented by Its Chairman

And others

--- RESPONDENT(S)

MEMO OF APPEARANCE

POWER GRID CORPORATION OF INDIA LTD.

-- PETITIONER

1. Shri Dilip Nagesh Rozekar, ED (Commercial & RC), POWERGRID
2. Shri Mohd. Mohsin, Chief GM (CommI- Petition), POWERGRID
3. **Shri V.C. Sekhar, Sr. GM (Commercial-RC), POWERGRID**
4. Shri Zafrul Hasan, GM (CommI- Petition), POWERGRID
5. Shri Angaru Naresh Kumar, DGM, POWERGRID
6. Smt Suchitra Gautam, DGM, POWERGRID



7. Shri Vishal Sagar, DGM, POWERGRID
8. Shri G. Vijay, DGM, POWERGRID
9. Shri Vivek Kumar Singh, DGM, POWERGRID
10. Shri Amit Kumar Chachan, DGM, POWERGRID
11. Smt. Supriya Singh, CM (Law), POWERGRID
12. Shri Arjun Malhotra, Manager (Law), POWERGRID
13. Smt. Tanushree Rao, DM (Law), POWERGRID

I, V.C. Sekhar, the Petitioner above named do hereby nominate to act, plead and appear on my behalf in the aforesaid matter.

IN WITNESS WHEREOF I have set and subscribed my hands to this writing on this 22nd day of November 2024.

PETITIONER
POWER GRID CORPORATION OF INDIA LTD.

GURGAON

DATED:-22.11.2024

Sr. General Manager (Regulatory Cell)



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Uttar Pradesh Power Corporation Ltd.

----- RESPONDENT(S)

Shakti Bhawan, 14, Ashok Marg

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Represented by Its Chairman

And others

A. Executive Summary of the Petition:

(i) Brief Background of the Petitioner

1. The Petitioner herein, Power Grid Corporation of India Ltd. (Hereinafter referred to as "POWERGRID/Petitioner") is a Government Company within the meaning of the Companies Act, 2013. POWERGRID is deemed transmission licensee in terms of Section 14 of the Electricity Act, 2003. POWERGRID by virtue of a transmission licensee is required to inter-alia build, own, operate and maintain an efficient, coordinated and economical inter-state transmission system ("ISTS"). POWERGRID



operates and functions within the regulatory control of this Hon'ble Central Electricity Regulatory Commission (hereinafter referred to as "Hon'ble Commission"). Tariff for the transmission system established by POWERGRID is required to be determined by this Hon'ble Commission in accordance with the Tariff Regulations as notified by this Hon'ble Commission in exercise of its powers under Section 178 of the Electricity Act, 2003.

(ii) Brief background of the Respondent(s):

POWERGRID has impleaded generators, distribution licensees and Government departments of all India which are engaged in distribution of electricity in India. The respondents are also 'Designated Inter State Transmission Customer' (hereinafter referred to as 'DICs') from all regions in terms of the 2020 Sharing Regulations.

(iii) Background of Transmission Assets:

2. POWERGRID has filed the present petition for truing up of fees & charges for 2019-24 and determination of fees & charges for 2024-29 tariff block for Communication Scheme under National Load Dispatch center (POWERGRID portion). The asset was put under commercial operation w.e.f 01.04.2009.

(iv) Summary of Claims:

3. A. POWERGRID is seeking truing up of fees & charges for 2019-24 and determination of fees & charges for 2024-29 tariff block for aforesaid asset on capital cost comprising of expenditure admitted upto 31.03.2019 and additional capital expenditure during 2019-24 & 2024-29 in accordance with provisions of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 ("Tariff Regulations, 2019") and Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 ("Tariff Regulations, 2024").
4. The capital cost considered for determining fees and charges is as follows:

Rs in lakhs

Particulars	Capital	Central Portion
Gross Capital Cost as on 31.3.2019	Loan	437.95
	Equity	187.69
	Total	625.64
Capital Cost Recovered up to 31.3.2019	Loan	226.30



	Equity	72.68
	Total	298.98
Net Capital Cost as on 31.3.2019	Loan	211.65
	Equity	115.01
	Total	326.66

5. Details of tariff claimed are as under:

True up annual fees & charges for 2019-24 tariff block:

Rs in Lakhs

Name of the asset	Particular	2019-20	2020-21	2021-22	2022-23	2023-24
Asset-1	Fees and charges approved	95.14	100.17	98.85	98.85	98.85
	Lease Charges approved	319.22	319.22	319.22	319.22	319.22
	Revised Fees and charges based on truing up	95.78	100.40	98.61	98.13	99.92
	Revised actual lease Charges	258.23	133.10	89.97	95.25	97.85

Fees and charges claimed for 2024-29 tariff block:

Rs in Lakhs

Name of the asset	Particular	2024-25	2025-26	2026-27	2027-28	2028-29
Asset-1	Fees and charges	13.05	13.05	13.05	13.05	13.05
	Lease Charges	97.85	97.85	97.85	97.85	97.85

6. It is prayed to Hon'ble commission to reimburse expenditure of petition filing fee, license fee, newspaper publication expenses and RLDC fee & charges etc.

B. Detailed Petition:

MOST RESPECTFULLY SHOWETH:

Issue wise submission(s):

7. The Petitioner herein, Power Grid Corporation of India Ltd/ POWERGRID. is a Government Company within the meaning of the Companies Act, 1956. POWERGRID is a deemed transmission licensee under Section 14 of the Electricity Act 2003.



8. POWERGRID being transmission licensee is required to inter-alia build, own, operate and maintain an efficient, coordinated and economical inter-state transmission system (ISTS). The fees & charges for the said systems shall be determined by the Hon'ble Commission in accordance with the provisions of Tariff Regulations, 2019 and 2024.

9. That the subject project/petition covers approval of fees & charges for following Asset:

Asset No	Asset Name	DOCO	Remarks
Asset-1	Communication Scheme under National Load Dispatch center (POWERGRID portion)	01.04.2009	Earlier covered under petition No. 36/TT/2021

10. Cost details:

The detail of capital cost as on 31.03.2019 admitted by Hon'ble commission vide order dated 05.12.2022 in petition no. 36/TT/2021 is as below:

Rs in lakhs

Particulars	Capital	Central Portion
Gross Capital Cost as on 31.3.2019	Loan	437.95
	Equity	187.69
	Total	625.64
Capital Cost Recovered up to 31.3.2019	Loan	226.30
	Equity	72.68
	Total	298.98
Net Capital Cost as on 31.3.2019	Loan	211.65
	Equity	115.01
	Total	326.66

Copy of order is enclosed as **Encl-1**. In the current petition, no additional capital expenditure was incurred during the 2019-24 tariff block, and no additional capital expenditures are proposed during the 2024-29 tariff block.



The capital Cost as on 31.03.2024 is as below:

Rs in lakhs

Particulars	Capital	Central Portion
Gross Capital Cost as on 31.3.2024	Loan	437.95
	Equity	187.69
	Total	625.64
Capital Cost Recovered up to 31.3.2024	Loan	437.95
	Equity	187.69
	Total	625.64
Net Capital Cost as on 31.3.2024	Loan	0.00
	Equity	0.00
	Total	0.00

11. O&M expenditure:

The details of the O&M Expenses admitted by the Hon'ble Commission and actual O&M expenses is summarized as below:

Rs in Lakh

Year	2019-20	2020-21	2021-22	2022-23	2023-24
O&M Expenses allowed	9.34	14.28	13.12	13.12	13.12
Actual O&M Expenses	9.34	14.28	13.12	12.21	13.51

12. Lease charges:

The details of lease charges allowed by Hon'ble Commission and actual lease changes is summarized as below:

Rs in Lakh

Year	2019-20	2020-21	2021-22	2022-23	2023-24
Lease charges allowed	319.22	319.22	319.22	319.22	319.22
Actual Lease charges	258.23	133.10	89.97	95.25	97.85

A copy of the Auditor Certificate certifying O&M expense and lease changes is enclosed hereto as **Encl-2**.



13. Fees & charges:

The truing up exercise for the period 2019-2024 is to be done at the time of filing tariff petition for next block, i.e. 2024-29 period as per Regulation 13 of Tariff Regulation, 2019.

Regulation 13 of Tariff Regulation, 2019:

Quote

“The Commission shall carry out truing up exercise for the period 2019-24 along with the tariff petition filed for the next tariff period, for the following:

-----”

Unquote

Levelized tariff have been claimed in instant petition as per Regulation 8(iii) of Tariff Regulation, 2019.

Quote

“Tariff of the associated communication system forming part of transmission system which has achieved commercial operation prior to 1.4.2014 shall be as per the methodology approved by the Commission prior to 1.4.2014.”

Unquote

Further, CERC vide order dated 24.12.2013 regarding recovery of income tax has mentioned:

Quote

The concept of grossing up linked with the tariff determination for ordinary assets cannot per se be applied for calculating fees and charges in accordance with the Capital Recovery Factor (CRF) concept. By considering the grossed-up value of RoE, CRF gets distorted because of factoring of tax component. Therefore, in departure from the provisions for recovery of RoE specified under the tariff regulations presently applicable, post-tax RoE of 15.50% per annum, converted to monthly rates, has been considered. As RoE has been considered post-tax, the petitioner shall be entitled to recover income-tax from the respondents in proportion of the fees and charges shared by them in accordance with this order.



Unquote

Accordingly, the applicable income tax will be recovered separately from the beneficiaries.

While filing Tariff petition for 2019-24 period, the petitioner had prayed for allowing the floating rate of Interest on loan adjustments. As per Hon'ble Commission order dated 18.04.2022 in petition no. 26/TT/2021, it has been stated that the weighted average rate of IoL has been considered on the basis of rate prevailing as on 1.4.2019 and accordingly, the floating rate of interest on actual, applicable from time to time, if any, during 2019-24 tariff shall be considered at the time of true up or next revision of tariff.

Accordingly in the present petition, truing up of fees & charges for the tariff block 2019-24 is being carried out based on of actual additional capitalization during 2019-24 tariff block, change in floating rate of interest, actual O&M and lease charges.

14. The trued up annual fees & charges for the tariff period 2019-24 is summarized as below:

Rs in Lakhs						
Name of the asset	Particular	2019-20	2020-21	2021-22	2022-23	2023-24
Asset-1	Fees and charges approved	95.14	100.17	98.85	98.85	98.85
	Lease Charges approved	319.22	319.22	319.22	319.22	319.22
	Revised Fees and charges based on truing up	95.78	100.40	98.61	98.13	99.92
	Revised actual lease Charges	258.23	133.10	89.97	95.25	97.85

Tariff filing forms along with the other relevant information and supporting documents are attached hereto as **Encl-3**.

That in the subject petition, details are provided in various Tariff Forms with respect to Capital Cost as per books / Gross Block amount as per Books. It is submitted that the petitioner has opted for deemed cost exemption as per Para D7 AA of Ind AS 101 'First-time Adoption of Indian Accounting Standards". Accordingly Carrying value i.e. Gross Block less Accumulated Depreciation is considered as deemed cost as on the



date of transition i.e. 1st April 2015. As such, in case of assets commissioned before 01.04.2015, the accumulated depreciation as on 1st April 2015 is added back to the deemed Capital Cost as per books / Gross Block amount as per Books for arriving at the figures to be provided in various Tariff Forms.

15. The tariff worked out for 2024-29 tariff block is summarized below:

Rs in Lakhs

Name of the asset	Particular	2024-25	2025-26	2026-27	2027-28	2028-29
Asset-1	Fees and charges	13.05	13.05	13.05	13.05	13.05
	Lease Charges	97.85	97.85	97.85	97.85	97.85

Tariff filing forms along with the other relevant information and supporting documents are attached hereto as **Encl-4**.

16. The asset has completed 15 Yrs of useful life in 2023-24 and entire cost have been recovered in 2023-24, the fees and charges from 2024-25 onwards is on account of O&M expense and consequential IOWC.
17. Under CGST Act, 2017 implemented w.e.f. 01.07.2017, the Govt. of India has exempted the charges of transmission of electricity vide notification no. 12/2017 – Central Tax (Rate) dated 28.06.2017 at serial no. 25 under the heading 9969 “Transmission or distribution of electricity by an electric transmission or distribution utility” by giving applicable GST rate as NIL. Hence, the Transmission Charges as indicated at para 14 and para 15 above is exclusive of GST. Further, if GST is levied at any rate and at any point of time in future on Charges of Transmission of Electricity, the same shall be borne and additionally paid by the respondent(s) to the petitioner and the same shall be charged & billed separately by the petitioner. Further additional taxes, if any, are to be paid by the petitioner on account of demand from Govt. / Statutory authorities, the same may be allowed to be recovered from the beneficiaries.
18. In the tariff calculations for 2019-24 period, Interest on Loan has been calculated on the basis of actual rate of interest of various loans deployed for each year. In the tariff calculations for 2024-29 period, Interest on Loan has been calculated on the basis of interest rates prevailing as on 01.04.2024 for respective loans. The change in Interest



rate due to floating rate of interest applicable, if any, for the project needs to be claimed / adjusted over the tariff block of 05 years directly from / with the beneficiaries.

For the purpose of the supporting documents for rate of interest, a compendium of floating rate of interest of various loans during the tariff period 2019-24 was submitted in the petition vide Diary No-677/2024. These documents/details are also available on our website at the following link:

https://apps.powergrid.in/cerc/docs/Western%20Region/2024/09/Khargone%20TPS/S_canned_petition_Khargone_TPS.pdf.

19. The O&M expense for 2019-24 block is based on actual expenditure and O&M expense of 2024-29 block have been worked out at 2.0% of the original project cost in accordance with Tariff Regulations, 2024. The lease charges during 2019-24 block is based on actual expenditure and is based on projections for during 2024-29 block.
20. That as per Regulation 36(3)(d) of CERC Tariff Regulations, 2024, the Security Expenses, Insurance and Capital Spares more than Rs. 10 Lakh for transmission system shall be allowed separately after prudence check.

Security Expenses:

In this regard, it is submitted that a separate petition shall be filed for truing up of security expenses from 01.04.2019 to 31.03.2024 under the Regulation 35 (3) (C) of Central Electricity Regulatory Commission (Terms and Condition of Tariff) Regulations, 2019 and recovery of security expenses from 01.04.2024 to 31.03.2029 under the Regulation 36 (3) (d) of Central Electricity Regulatory Commission (Terms and Condition of Tariff) Regulations, 2024.

Insurance:

In this regard, it is submitted that a separate petition shall be filed before Hon'ble Commission for claiming the overall Insurance Expenses and consequential Interest on Working Capital (IOWC) on the same considering actual Insurance Expense incurred by the Petitioner for the F/Y 2023-24 after escalating the same at 5.25% per annum for arriving at the Estimated Insurance Expense for the year 2024-25, 2025-26, 2026-27, 2027-28 and 2028-29.



Capital Spare:

With regard to Capital Spares, the Petitioner has filed a separate Petition bearing No 45/MP/2024 for claiming the capital spares under Tariff Regulation, 2019 for 2019-24 period. Further, as per Tariff Regulations, 2024, Capital spares consumed and consequential Interest on Working Capital (IOWC) on the same shall be claimed by the Petitioner for 2024-29 period as per actual through a separate petition.

Accordingly, these expenses are not claimed in the subject petition through the relevant Tariff Forms and shall be claimed separately.

21. That as per Regulation 99 of CERC Tariff Regulations, 2024, the fees and charges of Central Transmission Utility of India Limited ('CTUIL') shall be allowed separately by the Commission through a separate regulation. Further, it provides that until such regulation is issued by the Commission, the expenses of CTUIL shall be borne by POWERGRID which shall be recovered by POWERGRID as additional O&M expenses through a separate petition.

Accordingly, the expenses of CTUIL borne by POWERGRID shall be claimed through a separate petition.

22. The application filing fee, expenses incurred on publication of Notices in Newspapers and License fee may be allowed to be recovered separately from the respondents in terms of Regulation 94(1) and Regulation 94(4) of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024. The fees and charges to be paid by the petitioner as ISTS licensee (deemed ISTS licensee) under CERC (Fees and Charges of RLDC and other matters) Regulations, 2023 as amended from time to time shall also be recoverable from the DICs as provided under clause 94(3) of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024.

23. The Fee & Charges and other related Charges indicated at para 14 & 15 above, is exclusive of incentive, late payment surcharge, FERV, any statutory taxes, levies, duties, cess, filing fees, license fee, RLDC fees and charges, capital spares, security expenses, insurance expenses or any other kind of imposition (s) and/ or other surcharges etc. whatsoever imposed / charged by any Government (Central/State) and / or any other local bodies/authorities/regulatory authorities in relation to



transmission of electricity, environmental protection, and/or in respect of any of its installation associated with the Transmission System and the same shall be borne and additionally paid by the respondent(s) to the petitioner and the same shall be charged, billed separately by the petitioner on the respondents.

24. Sharing of Fees and Charges

Fees & Charges and Lease Charges for 2019-24 as per para 14 above shall be recovered on monthly basis in accordance with Regulation 57 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 and shall be shared by the beneficiaries and long-term transmission customers in terms of Central Electricity Regulatory Commission (Sharing of Inter State Transmission Charges and Losses) Regulations, 2020, as amended from to time.

Fees & Charges and Lease Charges for 2024-29 as per para 15 above shall be recovered on monthly basis in accordance with Regulation 78 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 and shall be shared by the beneficiaries and long-term transmission customers in terms of Central Electricity Regulatory Commission (Sharing of Inter State Transmission Charges and Losses) Regulations, 2020, as amended from to time.

- 25.** In the circumstances mentioned above, it will be just and proper that the fees & charges for the assets covered under this petition be allowed to be charged from the beneficiaries on the basis set out above. **The Petitioner submits that Encl.-1 to Encl.-4 may please be treated as integral part of this petition.**

A. PRAYER

It is respectfully prayed that the Hon'ble Commission may be pleased to:

- a) Approve the trued-up Fees & charges for 2019-24 block and fees & charges for 2024-29 block for the asset covered under this petition, as per para 14 & 15 above.
- b) Approve the lease charges for 2019-24 block and lease charges for 2024-29 block for the asset covered under this petition, as per para 14 & 15 above.
- c) Allow the petitioner to recover income tax directly from the beneficiaries.



- d) Approve the reimbursement of expenditure by the beneficiaries towards petition filing fee, and expenditure on publishing of notices in newspapers in terms of Regulation 94 (1) Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024, and other expenditure (if any) in relation to the filing of petition.
- e) Allow the petitioner to bill and recover RLDC fees & charges and Licensee fee, separately from the respondents in terms of Regulation 94 (3) and (4) Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024.
- f) Allow the petitioner to file a separate petition before Hon'ble Commission for claiming the overall security expenses and consequential IOWC on that security expenses as mentioned at para 20 above.
- g) Allow the petitioner to file a separate petition before Hon'ble Commission for claiming the overall insurance expenses and consequential IOWC on that insurance expenses as mentioned at para 20 above.
- h) Allow the petitioner to file a separate petition before Hon'ble Commission for claiming the overall capital spares at the end of tariff block as per actual as mentioned at Para 20 above.
- i) Allow the petitioner to claim expenses of CTUIL borne by POWERGRID through a separate petition as mentioned at para 21 above.
- j) Allow the Petitioner to bill and recover GST on Transmission Charges separately from the respondents, if GST on transmission is levied at any rate in future. Further, any taxes including GST and duties including cess etc. imposed by any statutory/Govt./municipal authorities shall be allowed to be recovered from the beneficiaries.



and pass such other relief as Hon'ble Commission deems fit and appropriate under the circumstances of the case and in the interest of justice

GURGAON

DATED:- 22.11.2024

**FILED BY
POWER GRID CORPORATION OF INDIA LTD.**

REPRESENTED BY

**(V.C. Sekhar)
Sr. General Manager (Regulatory Cell)**



**BEFORE
THE CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI**

PETITION NO.:

IN THE MATTER OF: Petition for truing up of fees & charges for 2019-24 and determination of fees & charges for 2024-29 tariff block for Communication Scheme under National Load Dispatch center (POWERGRID portion) under Sub-section(4) of Section 28 of Electricity Act, 2003 and under the Regulation 15 (1) (a) and Regulation 23 of Central Electricity Regulatory Commission (Conduct of Business) Regulations, 2023 read with Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 and Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024.

Power Grid Corporation of India Ltd.

Registered office: B-9, Qutab Institutional Area,
Katwaria Sarai, New Delhi. 110 016.

Corporate Centre : 'SAUDAMINI', Plot No-2,
Sector-29, Gurgaon-122 001 (Haryana).

--- **PETITIONER**

Uttar Pradesh Power Corporation Ltd.

Shakti Bhawan, 14, Ashok Marg

Lucknow - 226 001

Represented by Its Chairman

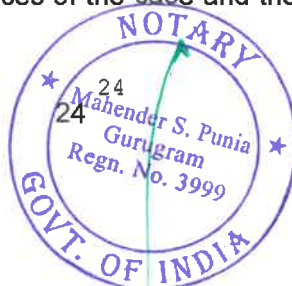
And others

----- **RESPONDENT(S)**

AFFIDAVIT VERIFYING THE PETITION

I, V.C. Sekhar, S/O Late Sh. V. Devaiah, working as Senior General Manager (Regulatory Cell) in the Powergrid Corporation of India Ltd., having its registered Office at B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi-110 016, do hereby solemnly affirm and state as under: -

1. That the deponent is the Senior General Manager of Petitioner and is well conversant with the facts and the circumstances of the case and therefore competent to swear this affidavit.



2. That the accompanying Petition under Section 62 of the Electricity Act, 2003, has been filed by my authorized representative/nominated counsel under my instruction and the contents of the same are true and correct to the best of my knowledge and belief.
3. That the contents of Para 01 to 25 of the facts as mentioned in the Petition are true and correct based on my personal knowledge, belief and records maintained in the office and the contents of Para 01 to 25 of the Petition are believed to be true on the basis of the legal advice received.
4. That the annexures annexed to the Petition are correct and true copies of the respective originals.
5. That the Deponent has not filed any other Petition or Appeal before any other forum or court of law with respect to the subject matter of the dispute


(DEPONENT)

VERIFICATION

Solemnly affirmed at Gurgaon on this 22nd day of Nov' 2024 that the contents of the above affidavit are true to my knowledge and belief and no part of it is false and nothing material has been concealed there from.


(DEPONENT)

ATTESTED 25²⁵
MAHENDER S. PUNIA
ADVOCATE & NOTARY
Distt. Gurugram (Haryana) India



CENTRAL ELECTRICITY REGULATORY COMMISSION

NEW DELHI

Petition No. 36/TT/2021

Coram:

Shri I. S. Jha, Member
Shri Arun Goyal, Member
Shri P. K. Singh, Member

Date of Order: 05.12.2022

In the matter of:

Petition for approval under sub-section 4 of Section 28 of the Electricity Act, 2003 for truing up of annual fees and charges for 2014-19 tariff period and determination of annual fees and charges for the period 2019-24 tariff period for Communication Scheme under National Load Despatch Centre (PowerGrid Portion).

And in the matter of:

Power Grid Corporation of India Limited
"Saudamini", Plot No.2,
Sector-29, Gurgaon – 122 001.

.....Petitioner

Vs.

1. NTPC Limited,
NTPC Bhawan, Core-7, Scope Complex,
7, Institutional Area, Lodhi Road,
New Delhi – 110 003.
2. NHPC Limited,
NHPC Office Complex, Sector 33,
Faridabad, Haryana.
3. Satluj Jal Vidyut Nigam Limited,
Power Project, Jhakri, Rampur,
District Shimla, Himachal Pradesh – 172 201.
4. THDC India Limited,
Bhagirath Puram, Tehri,
Uttarakhand – 249 001.
5. Nuclear Power Corporation of India Limited,
Nabhkiya Bhawan, Anu-Shakti Nagar,
Mumbai – 400 094.
6. ADHPL, Bhilwara Towers, A-12,
Sector-1, Noida – 201 301.
7. Aravali Power Company Private Limited,
Indira Gandhi Super Thermal Power Project,
PO: Jharli, District Jhajjar.

ATTESTED TRUE COPY
Pg-26 of 51
Authorised Signatory
Power Grid Corporation of India Ltd.
Plot No.-2, Sector-29, Gurgaon, 122 001 (Haryana)

8. Jaypee Karchan Hydro Corporation Limited,
Sector-128, Noida – 201 304.
9. Everest Power Private Limited,
1st Floor, Hall-1, NBCC Tower,
Bhikaji Cama Place,
New Delhi – 110 066.
10. Shree Cement Limited,
PO Box No. 33, Bangur Nagar,
Beawar – 305 901, District: Ajmer (Rajasthan).
11. Chandigarh (Electricity Department),
UT Chandigarh, Sector-9 D,
Chandigarh – 160 019.
12. Delhi Transco Limited,
SLDC Building (Behind Jakir Husain College),
Tagore Hostel Lane, Minto Road,
New Delhi – 110 002.
13. Haryana Vidyut Prasaran Nigam Limited,
Room No.-213, Shakti Bhawan, Sector-6,
Panchkula – 134 109, Haryana.
14. Himachal Pradesh State Electricity Board,
Totu, Shimla – 171 011, Himachal Pradesh.
15. Power Development Department,
Narwal Bala, Gladni – 180 004, Jammu.
16. PSTCL,
SLDC Building, 220 kV Sub-station Ablowal,
Patiala – 147 001, Punjab.
17. RVPN,
Vidyut Bhawan, Jyoti Nagar,
Vidyut Marg, Jaipur – 302 015, Rajasthan.
18. U.P. Power Corporation Limited,
Electricity Import-Export & Payment Circle,
11th Floor, Shakti Bhawan Extension,
14-Ashok Marg, Lucknow – 226 001, Uttar Pradesh.
19. Northern Central Railway,
Nawabyusuf Road, Allahabad, Uttar Pradesh.
20. Uttranchal Power Corporation Limited,
Kanwali Road, Urja Bhawan,
Dehradun – 248 001, Uttarakhand.
21. Powerlinks Transmission Limited,
10th Floor, DLF Tower-A, District Centre,
Jasola, New Delhi – 110 044.



22. Orissa Hydro Power Corporation Limited,
Burla Power House, District Sambalpur,
Burla – 768 017.
23. Mejia Thermal Power Station,
DVC, P.O. MTPS, District Bankura – 722 183.
24. West Bengal State Electricity Distribution Comapny Limited,
Bidyut Bhawan, 8th Floor (A Block), Block DJ,
Salt Lake City, Kolkata – 700 091.
25. Bihar State Electricity Board,
Vidyut Bhawan, Bailey Road,
Patna – 800 001.
26. Gird Corporation of Orissa Limited,
Vidyut Bhawan, Janpath,
Bhubaneshwar – 751 007.
27. Power Department,
Government of Sikkim,
Gangtok – 727 102.
28. Jharkhand State Electricity Board,
Engineering Building, HEC Township,
Dhurwa, Ranchi – 834 004.
29. Damodar Valley Corporation,
DVC Tower, VIP Road,
Calcutta – 700 054.
30. North-Eastern Electric Power Corporation Limited,
15, NBCC Tower, Bhikaji Cama Place,
New Delhi.
31. Arunachal Pradesh State Electricity Board
Department of Power,
Government of Arunachal Pradesh,
Itanagar – 791 111, Arunachal Pradesh.
32. Assam Power Distribution Company Limited,
Bijulee Bhawan, Paltan Bazar,
Guwahati – 781 001, Assam.
33. Manipur State Electricity Board,
Department of Power,
Government of Manipur,
Imphal – 795 001, Manipur.
34. Meghalaya Electricity Corporation Limited,
Lumjingshai, Short Round Road,
Shillong – 793 001, Meghalaya.
35. Mizoram State Electricity Board,
Power & Electricity Department,
Government of Mizoram, Khatla,
Aizwal – 796 001, Mizoram.



36. Nagaland State Electricity Board,
Department of Power,
Government of Nagaland,
Kohima – 791 001, Nagaland.
37. Tripura State Electricity Corporation Limited,
Bidyut Bhawan, North Banamalipur,
Agartala – 799001, Tripura.
38. Neyvelli Lignite Corporation Limited,
P.O. Neyvelli – 607 801,
Cuddalore District, Tamil Nadu.
39. LANCO-Kondapalli Power Private Limited,
Plot No. 4, Software Units Layout,
Hitech City, Madhapur,
Hyderabad – 500 081.
40. Transmission Corporation of Andhra Pradesh Limited,
Vidyut Soudha, Gunadala, Eluru Road,
Vijayawada, Andhra Pradesh – 520 004.
41. Power Company of Karnataka Limited,
Room No; 503, KPTCL Building,
Kaveri Bhavan,
Bangalore – 560 009, Karnataka.
42. Kerala State Electricity Board,
Vydyuthi Bhavanam, Pattom,
Thiruvananthapuram – 695 004.
43. TANGEDCO,
7th Floor, Eastern Wing,
144, Anna Salai,
Chennai – 600 002.
44. Electricity Department,
Government of Puducherry,
Puducherry – 605 001.
45. Electricity Department,
Government of Goa,
Curti-Ponda-Goa – 403 401.
46. Narmada Control authority,
Narmada Sadan, Sector-B,
Scheme No. 74, Vijaynagar,
Indore, Madhya Pradesh – 452 010.
47. Jindal Power Limited,
O.P. Jindal STPS, P.O. Tamnar,
Tehsil-Gjarghoda, District Raigarh,
Chattisgarh – 496 107.
48. Chhattisgarh State Power Distribution Company Limited,
P.O. Sunder Nagar, Dangania,
Raipur – 492 013



49. Lanco Amarkantak Power Private Limited,
Plot No. 397, Phase-III, Udyog Vihar,
Gurgaon – 122 016, Haryana.
50. Gujarat Urja Vikas Nigam Limited,
Sardar Patel Vidyut Bhawan,
Race Course Road,
Vadodara – 390 007.
51. Maharashtra State Electricity Distribution Company Limited,
Hongkong Bank Building, 3rd Floor,
M.G. Road, Fort, Mumbai – 400 001.
52. Electricity Department,
Government of Goa,
Vidyut Bhavan, Panaji,
Near Manndvi Hotel, Goa – 403001.
53. Electricity Department,
Administration of Daman and Diu,
Daman – 396 210.
54. Madhya Pradesh Power Management Company Limited,
Shakti Bhawan, Rampur,
Jabalpur – 482 008.
55. Madhya Pradesh Power Transmission Company Limited,
Shakti Bhawan, Rampur,
Jabalpur – 482 008.
56. Madhya Pradesh Audyogik Kendra,
3/54, Press Complex, Agra-Bombay Road,
Indore – 452 008.

....Respondents

For Petitioner : Shri S. S. Raju, PGCIL
Shri D. K. Biswal, PGCIL
Shri Ved Prakash Rastogi, PGCIL
Shri A. K. Verma, PGCIL

For Respondents : Shri Anindya Khare, MPPMCL



ORDER

Power Grid Corporation of India Limited, a deemed transmission licensee, has filed the instant petition under Section 28(4) of the Electricity Act, 2003 (hereinafter referred to as the "Act") for truing up of annual fees and charges for 2014-19 period

based on actual expenditure for the period 1.4.2014 to 31.3.2019 and for determination of fees and charges for the period from 1.4.2019 to 31.3.2024 for Communication Scheme under National Load Despatch Centre (NLDC) (PowerGrid portion i.e. communication system portion under NLDC retained by PowerGrid after formation of POSOCO) (hereinafter referred to as the "communication assets").

2. The Petitioner has made the following prayers in the instant petition:

a. Approve the Fees and charges for 2014-19 block for the Communication Scheme under NLDC covered under this petition, as per Para-9 above.

b. Approve the Fees and charges for 2019-24 block for the Communication Scheme under NLDC covered under this petition, as per Para-10 above.

c. Approve lease charges as claimed in Para 8 and 10.1 above.

d. Approve the reimbursement of expenditure by the petitioner towards any other expenditure (if any) in relation to the filing of petition and petition filing fee.

e. Allow the Petitioner to bill and recover Service tax on Transmission Charges separately from the respondents, if at any time exemption from service tax is withdrawn and transmission is notified as a taxable service.

f. Allow to recover the shortfall or refund the excess Annual Fixed Charges, on account of Return on Equity due to change in applicable Minimum Alternate/Corporate Income Tax rate as per the Income Tax Act, 1961 (as amended from time to time) of the respective financial year directly from the beneficiaries.

g. Allow the petitioner to bill and recover License fee separately from the respondents.

h. Allow the petitioner to recover the applicable Income Tax from the respondents separately.

i. Allow the petitioner to bill and adjust impact on Interest on Loan due to change in Interest rate on account of floating rate of interest applicable during 2019-24 period, if any, from the respondents.

and pass such other relief as Hon'ble Commission deems fit and appropriate under the circumstances of the case and in the interest of justice.

Background

3. The brief facts of the case are as follows:

- a) As per the directives of Government of India vide order dated 4.7.2008, Power System Operation Corporation Limited (POSOCO), a wholly owned subsidiary of the Petitioner was created for system operation of National Load Despatch Centre (NLDC) and Regional Load Despatch Centres (RLDCs).



- b) Ministry of Power (MoP), Government of India, vide letter dated 13.10.2009, constituted a Task Force under the Chairmanship of Shri Satnam Singh, the then CMD, Power Finance Corporation, to look into the financial aspects for augmentation and up-gradation of the State Load Despatch Centres (SLDC) and issues related to emoluments for the personnel engaged in the system operation. The Task Force made certain recommendations with regard to the ownership of the assets. The Petitioner constituted committees at the regional level, subsequent to the Task Force's report, to identify the assets to be transferred to POSOCO.
- c) Thereafter, the Petitioner filed a Miscellaneous Petition No. 68/2010 under Section 28(4) of the Act, and Regulation 44 "Power to Relax" of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2009 (hereinafter referred to as the "2009 Tariff Regulations") for fixation of tariff norms for recovery of cost for the assets ("Communication System" and "Sub-Load Dispatch Centre System") to be retained/to be installed by the Petitioner after formation of POSOCO for 2009-14 period.
- d) The Commission vide order dated 8.12.2011 in Petition No. 68/2010, had observed as follows:

"9.....Since the communication system and SLDC system form part of the assets of the CTU, there is a requirement to specify regulations for determination of tariff of these assets. We direct the staff of the Commission to undertake the exercise separately and include these assets of CTU in the tariff regulations applicable for the next tariff period i.e.2014-19. As regards the tariff of these assets for the period 2009-14, we are not inclined to determine the tariff of these assets by exercising our power to relaxation under Regulation 44 of the 2009 regulations since there is no provision for determination of tariff for the assets covered under the communication system and ULDC system. We are of the view that the tariff of these assets shall be determined under our general power of determination of tariff for inter-State transmission system under section 79(1)(d) of the Act....."

".....It clearly emerges from the above judgment that the Central Commission can specify the terms and conditions of tariff even in the absence of the regulations. Since no regulation was specified for determination of tariff of the communication system and the ULDC system, the Commission determined the tariff of these assets during the period 2004-09 on levelised basis by adopting some of the parameters of 2004 tariff regulations. We have decided to continue with the levelised tariff for the existing assets in the absence of any provision in 2009 regulations



regarding determination of tariff of communication system and ULDC system of the petitioner. For the new assets, the tariff will be decided as per the regulations for communication systems to be framed. Accordingly, we direct the staff of the Commission to take necessary action to prepare draft regulations for determination of tariff for the communication system and ULDC system of the petitioner.”

.....

“21. We have considered the submission of the petitioner and the respondents. We are of the view that replacement of microwave links with fibre optic links should be implemented as agreed by the beneficiaries to ensure safe and reliable operation of the power system. Moreover, the petitioner has submitted that surrender of the microwave frequencies would save substantial cost and the fibre optic system would be beneficial in the long run as the fibre optic communication network is required for implementation of new technologies like Wide Area Measurement System (WAMS), Special Protection Schemes (SPS) etc. in view of fast development and complexity of the power system in the country. As regards the regulatory approval, we are of the view that since the project has been agreed to be implemented by the constituents of each of the regions, regulatory approval is not considered necessary. The petitioner is granted liberty to approach the Commission for determination of tariff for the fibre optic network being installed in lieu of microwave links for each of the region separately. As regards the submission of UPPTCL, it is clarified that if the state portion is not being implemented by it separately as proposed earlier, the same shall be implemented by the petitioner and UPPTCL would be required to share the tariff in proportion to the assets being utilised by it. It is however made clear that the timeline for replacement of the digital microwave by optical fibre should be strictly complied with.”

- e) The administrative approval and expenditure sanction for establishment for NLDC was accorded by MoP vide letter dated 24.5.2005 at an estimated cost of ₹4496 lakh including IDC of ₹177 lakh at 4th quarter, 2004 price level. As per original project approval letter dated 24.5.2005, the NLDC Scheme was scheduled to be put into commercial operation within 36 months from the date of approval, i.e. by 1.6.2008. However, the NLDC Scheme was declared under commercial operation on 1.4.2009, with a time over-run of ten months, which had been condoned vide order dated 27.1.2014 in Petition No. 74/TT/2012.
- f) The Commission vide order dated 14.9.2016 in Petition No. 23/TT/2015 had trued-up the fees and charges for 2009-14 tariff period and determined the tariff for 2014-19 period.
- g) The scope of work under NLDC Scheme is as follows:
- i. Establishment of control centre at New Delhi with backup at ERLDC Kolkata.

- ii. Interface equipment like routers and hub for data acquisition from RLDCs at RLDCs and NLDC/ back-up NLDC.
 - iii. Communication Systems for data, voice and fax between RLDCs, NLDCs and back-up NLDC through dedicated wideband networks on fiber optics.
 - iv. Auxiliary Power Supply System.
 - v. Other infrastructural facilities such as air-conditioning, fire-fighting, DG set construction/renovation of buildings, etc.
- h) In the absence of any provision in the 2009 Tariff Regulations regarding determination of tariff of Communication System and SLDC System of the Petitioner and to continue with the levelised tariff for the communication assets, the annual fees and charges of the NLDC system retained by the Petitioner were allowed vide order dated 27.1.2014 in Petition No. 74/TT/2012, in terms of the principles approved by the Commission vide order dated 8.12.2011 in Petition No 68/2010.
- i) The details of annual fees and charges for 2014-19 tariff period allowed by the Commission vide order dated 14.9.2016 in Petition No. 23/TT/2015 for Central Portion are as follows:

(₹ in lakh)

Particulars	Central Portion				
	2014-15	2015-16	2016-17	2017-18	2018-19
Annual Capital Recovery Charge-Total	77.13	83.10	83.10	83.10	83.10
O&M Expenses	8.69	8.97	9.26	9.56	9.87
Interest on Working Capital	2.26	2.41	2.42	2.44	2.46
Total fee and charges	88.08	94.48	94.78	95.10	95.43

4. The Petitioner has served the petition on the Respondents and notice regarding filing of this application has also been published in the newspapers in accordance with Section 64 of the Act. No comments or suggestions have been received from the general public in response to the aforesaid notices published in the newspapers by the Petitioner. Madhya Pradesh Power Management Company Limited (MPPMCL), i.e., Respondent No. 54 has filed its reply vide affidavit dated 23.9.2021 and has raised issues such as O&M Expenses, lease charges and GST.

In response, the Petitioner has filed rejoinder vide affidavit dated 6.7.2022. The issues raised by MPPMCL and the clarifications given by the Petitioner have been dealt in the relevant paragraphs of the instant order.

5. The hearing in the matter was held on 1.8.2022 through video conference and the order was reserved.

6. Having heard the representatives of the Petitioner, the representative of MPPMCL and having perused the material on record, we proceed to dispose of the petition.

7. This order has been issued considering the submissions made by the Petitioner in the petition and affidavit dated 7.9.2021, the reply of MPPMCL vide affidavit dated 23.9.2021 and the Petitioner's rejoinder thereto vide affidavit dated 6.7.2022.

TRUING-UP OF FEES AND CHARGES FOR 2014-19 TARIFF PERIOD

8. As per the directions of the Commission vide order dated 8.12.2011 in Petition No. 68/2010, the scope of the 2014 Tariff Regulations has been widened to include the Communication System and SLDC System used for inter-State transmission of electricity. However, as per Regulation 6(1)(iii) of the 2014 Tariff Regulations, the tariff of the existing communication assets forming part of the transmission system is to be determined as per the methodology followed prior to 1.4.2014. The said Regulation provides as follows:

"6(1)(iii) the tariff of the existing communication system forming part of transmission system shall be as per the methodology followed by the Commission prior to 1.4.2014."

9. The communication assets were put into commercial operation on 1.4.2009 and in view of above provision in the 2014 Tariff Regulations, the tariff of the



communication assets and NLDC System of the Petitioner, we continue to allow levelised tariff for the communication assets in terms of the principles approved by the Commission vide order dated 8.12.2011 in Petition No. 68/2010. Accordingly, the annual fees and charges of communication system are trued-up/determined in this order.

Capital cost

10. The net capital cost of ₹489.59 lakh as allowed vide order dated 14.9.2016 in Petition No. 23/TT/2015 has been considered as on 1.4.2014 for the purpose of truing up of fees and charges for the communication assets. The Petitioner has claimed Additional Capital Expenditure (ACE) of ₹35.79 lakh during 2014-15 on account of balance and retention payments.

11. The Petitioner vide Auditors' Certificate dated 15.12.2014 has submitted the ACE incurred for 2014-15 tariff period and the Petitioner vide affidavit dated 7.9.2021 has submitted the vendor-wise and package details. The details are as follows:

Amount (₹ in lakh)	Package Name	Vendor Name	Remarks
35.79	LOA - 2071 to 73, Communication Equipment, PLCC	WRIPT, PR China	Balance and retention payment claimed under Regulation 14(3)(v) of the 2014 Tariff Regulations

12. We have considered the submissions of the Petitioner. ACE of ₹35.79 lakh during 2014-15 period as claimed by the Petitioner, is towards balance and retention payments and the same is allowed under Regulation 14(3)(v) of the 2014 Tariff Regulations.

13. Accordingly, the capital cost allowed for 2014-19 tariff period is as follows:

Capital Cost as on 1.4.2014	ACE – 2014-15	Total Capital Cost as on 31.3.2019
489.59	35.79	525.38



Debt-Equity ratio

14. Debt-equity ratio as on 31.3.2014 was allowed by the Commission vide order dated 14.9.2016 in Petition No. 23/TT/2015 is as follows:

(₹ in lakh)

Funding	Central Portion	
	Amount	(in %)
Loan/ Debt	332.58	67.93
Equity	157.01	32.07
Total	489.59	100.00

15. Debt-equity ratio allowed as on 31.3.2019 for the communication system is as follows:

(₹ in lakh)

Funding	Central Portion	
	Amount	(in %)
Loan/Debt	211.65	64.79
Equity	115.01	35.21
Total	326.66	100.00

16. The difference in net capital cost is due to ACE during 2014-19 tariff period and capital cost recovered during 2014 - 19 tariff period is explained as follows:

Rates for Recovery of /Loan and Equity

(a) The Capital Recovery Factor (CRF) for loan in respect of the communication assets has been calculated by applying weighted average rate of interest (WAROI) on the basis of the impact due to change in floating rate of interest of loan and it works out to be 6.9620%, 7.0302%, 7.0870%, 7.2831% and 7.5342% for 2014-15, 2015-16, 2016-17, 2017-18 and 2018-19 respectively for the communication assets. Thus, the rates considered on annual basis, have been converted to monthly rates. Accordingly, monthly recovery factors for loan in respect of the communication assets are as follows:

CRF for loan to be considered for Fees & Charges					
Particulars	2014-15	2015-16	2016-17	2017-18	2018-19
Central Portion	0.011591	0.012522	0.013677	0.015231	0.017307

(b) The CRF for equity has been considered on the same basis as allowed vide order dated 14.9.2016 in Petition No. 23/TT/2015 and on post-tax return on

equity of 15.50%. Thus, the rates considered on annual basis, have been converted to monthly rates and the same are as follows:

CRF for equity to be considered for Fees & Charges					
Particulars	2014-15	2015-16	2016-17	2017-18	2018-19
Central Portion	0.016441	0.017224	0.018236	0.019578	0.021417

- (c) In view of above, the amount of monthly capital recovery charges for loan and equity for the communication assets on account of central portion have been considered by using respective CRF and the same are as follows:

(₹ in lakh)

Monthly capital recovery charges for loan					
Particulars	2014-15	2015-16	2016-17	2017-18	2018-19
Central Portion	3.86	4.18	4.19	4.21	4.24

(₹ in lakh)

Monthly capital recovery charges for equity					
Particulars	2014-15	2015-16	2016-17	2017-18	2018-19
Central Portion	2.58	2.77	2.77	2.77	2.77

17. Accordingly, the recovery of capital during 2014-19 tariff period has been worked out as follows:

(₹ in lakh)

Particulars	Capital	Central Portion
	Capital Cost Recovered during 2014-19	Loan Equity Total

Operation & Maintenance Expenses ("O&M Expenses")

18. The Commission vide order dated 14.9.2016 in Petition No. 23/TT/2015 had allowed the O&M Expenses considering the actual O&M Expenses of ₹8.42 lakh for 2013-14 period along with escalation of 3.32% per annum. O&M Expenses claimed by the Petitioner and allowed by the Commission vide order dated 14.9.2016 in Petition No. 23/TT/2015 are as follows:

(₹ in lakh)

Year	2014-15	2015-16	2016-17	2017-18	2018-19
O&M Expenses claimed	34.04	23.54	23.54	23.54	23.54
O&M Expenses allowed	8.69	8.97	9.26	9.56	9.87

19. The Petitioner has submitted its revised claim of O&M Expenses on actual basis for 2014-19 tariff period and has submitted the Auditors' Certificate in support of the same.

20. MPPMCL has submitted that the O&M Expenses have increased by ₹6.99 lakh in 2014-15, ₹12.01 lakh in 2015-16 and by ₹2.02 lakh in 2017-18 but the Petitioner has not explained the reasons and break up for the same. MPPMCL has further submitted that the Petitioner is required to submit the same and has requested to allow the O&M Expenses after prudence check.

21. In response, the Petitioner has submitted that during implementation of the NLDC project in 2008-09, communication system was established at E1 interface and communication equipment supported only E1 cards. However, at later stage, based on system requirements and upgradation of existing SCADA system of RLDCs, communication between RLDCs to NLDC needed upgradation from E1 to Ethernet-based solutions for smooth integration. The Petitioner has further provided the details of O&M Expenses. The Petitioner has submitted that in Petition No. 23/TT/2015, it had claimed estimated O&M Expenses of ₹34.04 lakh for 2014-15 and ₹23.54 lakh for 2015-16, 2016-17, 2017-18 and 2018-19 respectively. The Petitioner has claimed the estimated O&M Expenses for central portion based on Auditors' Certificate dated 15.12.2014 submitted in Petition No. 23/TT/2015. However, the Commission allowed the O&M Expenses by considering the actual O&M expenditure of ₹8.42 lakh for 2013-14 along with the escalation of 3.32% per annum. In addition, the Commission, at para 44 of the tariff order in Petition No. 23/TT/2015, opined that O&M Expenses allowed in that order, will be reviewed at the time of truing-up. Accordingly, Petitioner has submitted the Auditor's Certificate in the instant petition showing actual O&M expenditure for 2014-19 tariff period.

22. We have considered the submissions of the Petitioner and MPPMCL. The actual O&M Expenses claimed by the Petitioner have been allowed. Accordingly, the details of O&M Expenses allowed for the purpose of trueing up of fee and charges during 2014-19 are as follows:

(₹ in lakh)					
Particulars	2014-15	2015-16	2016-17	2017-18	2018-19
Claimed by the Petitioner	15.68	20.98	7.15	11.58	7.52
Allowed by the Commission	15.68	20.98	7.15	11.58	7.52

Lease Charges

23. The Commission vide order dated 14.9.2016 in Petition No. 23/TT/2015 had allowed the following Dark Fibre lease charges and the same is as follows:

(₹ in lakh)					
Particulars	2014-15	2015-16	2016-17	2017-18	2018-19
Estimated Lease Charges allowed vide order dated 15.12.2014 in Petition No. 23/TT/2015	515.98	515.98	515.98	515.98	515.98

24. The Petitioner in the instant true-up Petition has submitted its claim for lease charges for 2014-19 period and has submitted Auditors' Certificate in support of the same. The lease charges claimed by the Petitioner for 2014-19 period are as follows:

(₹ in lakh)					
Particulars	2014-15	2015-16	2016-17	2017-18	2018-19
Lease Charges	251.28	252.29	228.54	264.69	319.22

25. MPPMCL has pointed out that the Petitioner has claimed the lease charges for the 2014-19 tariff period. The tariff in respect of a transmission system may be determined for the whole of the transmission system or transmission line or sub-station or communication system forming part of transmission system as per the 2014 Tariff Regulations. The transmission tariff as per the 2014 Tariff Regulations is inclusive of the communication system. MPPMCL has further submitted that during

2014-19 tariff period, the Petitioner has not disclosed the lease charges and whether the lease charges recovered from the beneficiaries have been passed on or not in relevant transmission tariff petition. The Auditor's Certificate also did not disclose the said information. MPPMCL has requested that lease charges may be allowed by the Commission only after obtaining the required information and prudence check in the respective transmission tariff order.

26. In response, the Petitioner has submitted that vide order dated 14.9.2016 in Petition No. 23/TT/2015, the Commission had allowed the Petitioner to reimburse the Dark Fibre lease charges directly from the beneficiaries or the long-term transmission customers/DICs and the same is in line with the order dated 14.2.2011 in Petition No. 83/2010 dealing with determination of NLDC charges (POSOCO portion) for the tariff period 2009-14. The Petitioner has submitted that the same approach has been followed for Dark Fibre Lease charges in the instant petition and Auditor's Certificate for the same has been submitted indicating the actual amount.

27. We have considered the submissions of the Petitioner and MPPMCL. The Commission vide order dated 14.9.2016 in Petition No. 23/TT/2015 had allowed Dark Fibre lease charges on estimated basis and held that Dark Fibre lease charges can be recovered directly from the beneficiaries or the long-term transmission customers/DICs, as the case maybe. The relevant portion of the order is as follows:

"28. The petitioner has also referred to order dated 14.2.2011 in Petition No. 83/2010 in the matter of determination of NLDC charges (POSOCO portion) for the tariff period 2009-14 and has submitted that an amount of ₹569.13 lakh, on account of leasing of fibres was not allowed to be capitalised, as it did not add to the capital asset of the petitioner. However, it was ordered that the said amount would be directly reimbursed by the beneficiaries/users on pro-rata basis as these expenses were incurred in connection with the commissioning of NLDC project. The petitioner further submitted that as the communication system of NLDC has been retained by it, as per the recommendation of Satnam Singh Committee, the lease charges for fibres awarded to NLDC (POSOCO) may please be passed on to it now and allowed. The petitioner has submitted Chartered Accountants' certificate dated 15.12.2014 for actual expenditure for Dark Fibre lease charges and the same are allowed on actual basis in the instant petition to be recovered directly from the beneficiaries or the long term transmission customers/DICs, as the case maybe."

28. The Petitioner has submitted actual leased line charges/ Dark Fibre lease charges duly certified by the Auditor's Certificate dated 24.10.2019. Accordingly, actual expenditure for Dark Fibre lease charges are allowed on actual basis in the instant petition to be recovered directly from the beneficiaries or the long-term transmission customers/DICs, as the case may be.

Interest on Working Capital ("IWC")

29. The Petitioner has claimed IWC as per Regulation 28(1)(c) of the 2014 Tariff Regulations. IWC is worked out for the transmission assets as provided in Regulation 28(1)(c) of the 2014 Tariff Regulations as follows:

Maintenance Spares:

Maintenance spares have been worked out based on 15% of Operation and Maintenance Expenses.

O & M Expenses:

O&M Expenses have been considered for one month of the allowed O&M Expenses.

Receivables:

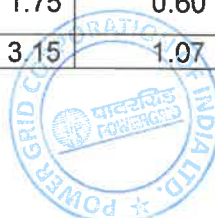
The receivables have been worked out on the basis of 2 months of annual transmission charges as worked out above.

Rate of Interest on Working Capital:

Rate of interest on working capital is considered on normative basis in accordance with Clause (3) of Regulation 28 of the 2014 Tariff Regulations.

30. Accordingly, the trued-up IWC in respect of the communication assets allowed is as follows:

		(₹ in lakh)				
	Particulars	Central Portion				
		2014-15	2015-16	2016-17	2017-18	2018-19
A	Working Capital for O&M Expenses (O&M expenses for one month)	1.31	1.75	0.60	0.97	0.63
B	Working Capital for Maintenance Spares	2.35	3.15	1.07	1.74	1.13



	(15% of O&M expenses)					
C	Working Capital for Receivables (Equivalent to two months of annual fixed cost / annual transmission charges)	15.93	17.90	15.49	16.32	15.67
D	Total of Working Capital (A+B+C)	19.59	22.80	17.15	19.02	17.42
E	Rate of Interest on working capital (in %)	13.50	13.50	13.50	13.50	13.50
F	Interest of working Capital (D*E)	2.64	3.08	2.32	2.57	2.35

Annual Fees and Charges for 2014-19

31. The detailed computation of the various components of the trued-up annual fees and charges for the communication assets for the 2014-19 tariff period is as follows:

(₹ in lakh)

Central Portion – Fees and Charges					
Particulars	2014-15	2015-16	2016-17	2017-18	2018-19
Opening Gross Capital Cost	589.85	625.64	625.64	625.64	625.64
Opening Gross Notional Loan	412.90	437.95	437.95	437.95	437.95
Opening Gross Equity	176.96	187.69	187.69	187.69	187.69
Recovered Gross Capital Cost (As on 1st April)	100.26	131.25	167.73	207.64	251.23
Recovered Gross Notional Loan	80.31	104.17	131.73	161.24	192.70
Recovered Gross Equity	19.95	27.08	36.00	46.40	58.53
Opening Net Capital Cost	489.59	494.39	457.91	418.00	374.41
Opening Net Notional Loan	332.58	333.78	306.21	276.71	245.25
Opening Net Equity	157.01	160.61	151.69	141.29	129.16
Recovered Capital Cost (During the Year)	30.99	36.48	39.90	43.59	47.75
Recovered Notional Loan	23.86	27.56	29.50	31.46	33.60
Recovered Equity	7.13	8.92	10.40	12.13	14.15
Closing Net Capital Cost	458.60	457.91	418.00	374.41	326.66
Closing Net Notional Loan	308.72	306.21	276.71	245.25	211.65
Closing Net Equity	149.87	151.69	141.29	129.16	115.01
Additional Capital Cost	35.79	0.00	0.00	0.00	0.00
Additional Notional Loan	25.05	0.00	0.00	0.00	0.00
Additional Equity	10.74	0.00	0.00	0.00	0.00
Years (Capital to be recovered up to 31.3.2024)	10.00	9.00	8.00	7.00	6.00
Months	120.00	108.00	96.00	84.00	72.00
Weighted Average Rate of Interest p.a. (in %)	6.9620	7.0302	7.0870	7.2831	7.5342
Weighted Average Rate of Interest p.m. (in %)	0.5802	0.5859	0.5906	0.6069	0.6279
Monthly Recovery Factors – Loan	0.011591	0.012522	0.013677	0.015231	0.017307
Monthly Capital Recovery Charge-Loan	3.86	4.18	4.19	4.21	4.24
Annual Capital Recovery Charge-Loan	46.26	50.15	50.26	50.58	50.93
Rate of Return on Equity p.a. (in %)	15.500	15.500	15.500	15.500	15.500
Rate of Return on Equity p.m. (in %)	1.292	1.292	1.292	1.292	1.292



Monthly Recovery Factors-Equity	0.016441	0.017224	0.018236	0.019578	0.021417
Monthly Capital Recovery Charge-Equity	2.58	2.77	2.77	2.77	2.77
Annual Capital Recovery Charge-Equity	30.98	33.20	33.20	33.20	33.20
Monthly Capital Recovery Charge-Total	6.44	6.95	6.95	6.98	7.01
Annual Capital Recovery Charge-Total	77.24	83.35	83.45	83.77	84.13
O&M Expenses (Annualized)	15.68	20.98	7.15	11.58	7.52
Allowable Fees & Charges					
Particulars	2014-15	2015-16	2016-17	2017-18	2018-19
Annual Capital Recovery Charge-Loan	46.26	50.15	50.26	50.58	50.93
Annual Capital Recovery Charge-Equity	30.98	33.20	33.20	33.20	33.20
Annual Capital Recovery Charge-Total	77.24	83.35	83.45	83.77	84.13
O&M Expenses	15.68	20.98	7.15	11.58	7.52
Interest on Working Capital	2.64	3.08	2.32	2.57	2.35
Total Fee & Charges	95.56	107.41	92.92	97.92	94.00

DETERMINATION OF ANNUAL FEES AND CHARGES FOR 2019-24 TARIFF PERIOD

32. The annual fees and charges in respect of the communication assets claimed by the Petitioner for 2019-24 tariff period are as follows:

(₹ in lakh)

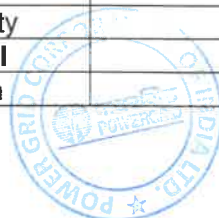
Central Portion					
Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
Annual Capital Recovery Charges-Total	84.13	84.13	84.13	84.13	84.13
O&M Expenses	12.51	12.51	12.51	12.51	12.51
Interest on Working Capital	1.81	1.81	1.81	1.81	1.81
Total Annual Charges	98.45	98.45	98.45	98.45	98.45

Capital cost

33. The net capital cost as trued-up and allowed in the instant order for 2014-19 tariff period has been considered as on 1.4.2019 for the purpose of determination of fees and charges for the communication assets. The Petitioner has not claimed any ACE during 2019-24 tariff period. Accordingly, the capital cost considered for determining fees and charges for 2019-24 tariff period is as follows:

(₹ in lakh)

Particulars	Capital	Central Portion
	Gross Capital Cost as on 1.4.2014	Loan Equity Total
Gross add-cap during 2014-19	Loan Equity Total	25.05 10.74 35.79
Gross Capital Cost as on 31.3.2019	Loan	437.95



	Equity	187.69
	Total	625.64
Capital Cost Recovered up to 31.3.2019	Loan	226.30
	Equity	72.68
	Total	298.98
Net Capital Cost as on 31.3.2019	Loan	211.65
	Equity	115.01
	Total	326.66

Debt-equity ratio

34. The debt-equity ratio determined as on 31.3.2019 has been considered as on 1.4.2019 for determination of fees and charges for 2019-24 period and the same is as follows:

(₹ in lakh)

Funding	Central Portion	
	Amount	(in %)
Loan/Debt	211.65	64.79
Equity	115.01	35.21
Total	326.66	100.00

35. The difference in total capital cost recovered as on 31.3.2024 and the net capital cost, is due to the capital cost recovered during 2019-24 period and the same is explained as follows:

Rates for Recovery of Loan and Equity

(a) The Capital Recovery Factor (CRF) for loan in respect of the communication assets have been calculated by applying WAROI and it works out to be 7.5342% in case of the communication assets. The rates considered on annual basis, have been converted to monthly rates and are as follows:

CRF for loan to be considered for Fees & Charges					
Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
Central Portion	0.020054	0.024195	0.031122	0.045015	0.086773

(b) The CRF for equity has been considered on the same basis as allowed vide order dated 14.9.2016 in Petition No. 23/TT/2015 and on post-tax return on equity of 15.50%. Thus, the rates considered on annual basis, have been converted to monthly rates and the same are as follows:

CRF for loan to be considered for Fees & Charges					
Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
Central Portion	0.024053	0.028085	0.034911	0.048725	0.090494

(c) In view of the above, the amount of monthly capital recovery charges for loan and equity for the communication assets on account of central portion have been considered by using respective CRF and the same are as follows:

(₹ in lakh)

Monthly capital recovery charges for loan					
Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
Central Portion	4.24	4.24	4.24	4.24	4.24

(₹ in lakh)

Monthly capital recovery charges for equity					
Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
Central Portion	2.77	2.77	2.77	2.77	2.77

36. Accordingly, the recovery of capital during 2019-24 period has been worked out. The date of commercial operation (COD) of the communication assets was 1.4.2009, hence, the communication assets shall complete 15 years as on 31.3.2024. Further, in line with order dated 8.12.2011 in Petition No. 68/ 2010, the total capital cost in respect of communication system shall be fully recovered upto 31.3.2024 i.e. during 2023-24.

Operation & Maintenance Expenses (“O&M Expenses”)

37. The Petitioner has claimed O&M expenditure of ₹12.51 lakh in 2019-24 tariff period in the instant petition. The Petitioner has submitted that O&M Expenses for 2019-24 period has been worked out as 2% of original project cost of concerned communication system in line with the 2019 Tariff Regulations and has prayed to allow the O&M Expenses as claimed.

38. The Petitioner vide affidavit dated 6.7.2022 has submitted the actual O&M Expenses for 2019-20, 2020-21, 2021-22 and estimated O&M Expenses for 2022-23 and 2023-24 duly certified by the Auditor’s Certificate dated 5.7.2022 and the same



is as follows:

(₹ in lakh)

Particulars	2019-20	2020-21	2021-22	2022-23 (Estimated)	2023-24 (Estimated)
Claimed by the Petitioner	9.34	14.28	13.12	13.12	13.12

39. We have considered the submissions of the Petitioner with regard to the O&M Expenses. The actual O&M Expenses claimed by the Petitioner for 2019-20, 2020-21, 2021-22 as certified by the Auditor's Certificate dated 5.7.2022 is allowed. The projected O&M Expenses for 2022-23 and 2023-24 is allowed subject to review at the time of truing-up. The details of allowable O&M Expenses are as follows:

(₹ in lakh)

Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
Amount allowed	9.34	14.28	13.12	13.12	13.12

Lease charges

40. The Petitioner has claimed for lease charges for 2019-24 tariff period and the same are as follows:

(₹ in lakh)

Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
Lease Charges	319.22	319.22	319.22	319.22	319.22

41. MPPMCL has submitted that the lease charges for the 2019-24 tariff period may only be considered after the Petitioner discloses the required information as mentioned above (2014-19 period) and after verifying the same from relevant tariff petitions if filed by the Petitioner or the same may be taken up at truing up stage.

42. We have considered the submissions of the Petitioner and MPPMCL. The Petitioner has submitted that lease charges applicable for 2018-19 is projected to be paid for 2019-24 period. Accordingly, expenditure for Dark Fibre lease charges are allowed on projected basis in the instant petition subject to true up on actual basis and is to be recovered directly from the beneficiaries or the long-term transmission



customers/ DICs, as the case maybe. Interest on Working Capital ("IWC")

43. Regulation 34(1)(c), Regulation 34 (3), Regulation 34 (4) and Regulation 3(7) of the 2019 Tariff Regulations provide as follows:

"34. Interest on Working Capital: (1) The working capital shall cover:

(c) For Hydro Generating Station (including Pumped Storage Hydro Generating Station) and Transmission System:

(i) Receivables equivalent to 45 days of annual fixed cost;
(ii) Maintenance spares @ 15% of operation and maintenance expenses including security expenses; and

(iii) Operation and maintenance expenses, including security expenses for one month."

(3) Rate of interest on working capital shall be on normative basis and shall be considered as the bank rate as on 1.4.2019 or as on 1st April of the year during the tariff period 2019-24 in which the generating station or a unit thereof or the transmission system including communication system or element thereof, as the case may be, is declared under commercial operation, whichever is later:

Provided that in case of truing-up, the rate of interest on working capital shall be considered at bank rate as on 1st April of each of the financial year during the tariff period 2019-24.

(4) Interest on working capital shall be payable on normative basis notwithstanding that the generating company or the transmission licensee has not taken loan for working capital from any outside agency."

"3. Definition - In these regulations, unless the context otherwise requires:-

(7) 'Bank Rate' means the one year marginal cost of lending rate (MCLR) of the State Bank of India issued from time to time plus 350 basis points;"

44. The Petitioner has submitted that it has computed the IWC for 2019-24 period considering the SBI Base Rate plus 350 basis points as on 1.4.2019. The Petitioner has considered the rate of IWC as 12.05%. IWC is worked out in accordance with Regulation 34 of the 2019 Tariff Regulations. The rate of IWC considered is 12.05% (SBI 1 year MCLR applicable as on 1.4.2019 of 8.55% plus 350 basis points) for 2019-20, 11.25% (SBI 1 year MCLR applicable as on 1.4.2020 of 7.75% plus 350 basis points) for 2020-21, 10.50% (SBI 1 year MCLR applicable as on 1.4.2021 of 7.00% plus 350 basis points) for 2021-24. The components of the working capital and interest allowed thereon are as follows:



(₹ in lakh)

Central Portion						
	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
A	Working Capital for O&M Expenses (O&M expenses for one month)	1.40	2.14	1.97	1.97	1.97
B	Working Capital for Maintenance Spares (15% of O&M expenses)	0.78	1.19	1.09	1.09	1.09
C	Working Capital for Receivables (Equivalent to 45 days of annual fixed cost / annual transmission charges)	11.70	12.35	12.19	12.19	12.15
D	Total of Working Capital (A+B+C)	13.88	15.68	15.25	15.25	15.21
E	Rate of Interest for Working Capital (in %)	12.05	11.25	10.50	10.50	10.50
F	Interest of working capital (D*E)	1.67	1.76	1.60	1.60	1.60

Annual Fees and charges

45. The detailed computation of the various components of the annual fees and charges allowed for the communication assets for 2019-24 tariff period is as follows:

(₹ in lakh)

Central Portion – Fees and charges					
Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
Opening Gross Capital Cost	625.64	625.64	625.64	625.64	625.64
Opening Gross Notional Loan	437.95	437.95	437.95	437.95	437.95
Opening Gross Equity	187.69	187.69	187.69	187.69	187.69
Recovered Gross Capital Cost (As on 1st April)	298.98	351.71	410.02	474.58	546.16
Recovered Gross Notional Loan	226.30	262.52	301.57	343.66	389.03
Recovered Gross Equity	72.68	89.19	108.45	130.92	157.12
Opening Net Capital Cost	326.66	273.93	215.62	151.06	79.48
Opening Net Notional Loan	211.65	175.43	136.38	94.29	48.91
Opening Net Equity	115.01	98.50	79.24	56.77	30.57
Recovered Capital Cost (During the Year)	52.73	58.31	64.56	71.58	79.48
Recovered Notional Loan	36.22	39.05	42.09	45.38	48.91
Recovered Equity	16.51	19.26	22.47	26.21	30.57
Closing Net Capital Cost	273.93	215.62	151.06	79.48	0.00
Closing Net Notional Loan	175.43	136.38	94.29	48.91	0.00
Closing Net Equity	98.50	79.24	56.77	30.57	0.00
Additional Capital Cost	0.00	0.00	0.00	0.00	0.00
Additional Notional Loan	0.00	0.00	0.00	0.00	0.00
Additional Equity	0.00	0.00	0.00	0.00	0.00
Years (Capital to be recovered up to 31.3.2024)	5.00	4.00	3.00	2.00	1.00
Months	60.00	48.00	36.00	24.00	12.00
Weighted Average Rate of Interest p.a. (in %)	7.5342	7.5342	7.5342	7.5342	7.5342
Weighted Average Rate of Interest p.m. (in %)	0.6279	0.6279	0.6279	0.6279	0.6279
Monthly Recovery Factors – Loan	0.020054	0.024195	0.031122	0.045015	0.086773



Monthly Capital Recovery Charge-Loan	4.24	4.24	4.24	4.24	4.24
Annual Capital Recovery Charge-Loan	50.93	50.93	50.93	50.93	50.93
Rate of Return on Equity p.a. (in %)	15.500	15.500	15.500	15.500	15.500
Rate of Return on Equity p.m. (in %)	1.292	1.292	1.292	1.292	1.292
Monthly Recovery Factors-Equity	0.024053	0.028085	0.034911	0.048725	0.090494
Monthly Capital Recovery Charge-Equity	2.77	2.77	2.77	2.77	2.77
Annual Capital Recovery Charge-Equity	33.20	33.20	33.20	33.20	33.20
Monthly Capital Recovery Charge-Total	7.01	7.01	7.01	7.01	7.01
Annual Capital Recovery Charge-Total	84.13	84.13	84.13	84.13	84.13
O&M Expenses (Annualized)	9.34	14.28	13.12	13.12	13.12
Allowable Fees & Charges					
Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
Annual Capital Recovery Charge-Loan	50.93	50.93	50.93	50.93	50.93
Annual Capital Recovery Charge-Equity	33.20	33.20	33.20	33.20	33.20
Annual Capital Recovery Charge-Total	84.13	84.13	84.13	84.13	84.13
O&M Expenses	9.34	14.28	13.12	13.12	13.12
Interest on Working Capital	1.67	1.76	1.60	1.60	1.60
Total Fee & Charges	95.14	100.17	98.85	98.85	98.85

Filing Fee and Publication Expenses

46. The Petitioner has sought reimbursement of fee paid by it for filing the petition and publication expenses in terms of Regulation 70(1) of the 2019 Tariff Regulations. The Petitioner shall be entitled for reimbursement of the filing fees and publication expenses in connection with the present petition, directly from the beneficiaries on pro-rata basis in accordance with Regulation 70(1) of the 2019 Tariff Regulations.

Licence Fee and Charges

47. The Petitioner shall be entitled for reimbursement of licence fee in accordance with Regulation 70(4) of the 2019 Tariff Regulations for 2019-24 tariff period.

Goods and Services Tax

48. The Petitioner has submitted that if GST is levied at any rate and at any point of time in future on charges of transmission of electricity, the same shall be borne and additionally paid by the Respondent(s) to the Petitioner and the same shall be charged and billed separately by the Petitioner. Further additional taxes, if any, are to be paid by the Petitioner on account of demand from Government/ Statutory authorities, the same may be allowed to be recovered from the beneficiaries.

MPPMCL has submitted that the claim of GST is premature and need not be considered. In response, the Petitioner has reiterated its submissions.

49. We have considered the submissions of Petitioner and MPPMCL. GST is not levied on transmission service at present. Therefore, we are of the view that Petitioner's prayer is premature.

Sharing of Transmission Charges

50. The trued-up fees and charges for 2014-19 tariff period and fees and charges determined for 2019-24 tariff period in respect of the communication assets in this order shall be recovered on monthly basis and billing collection and disbursement of transmission charges shall be governed by the provisions of the Regulation 43(2) of the 2014 Tariff Regulations and Regulation 57(2) of the 2019 Tariff Regulations respectively.

51. To summarise:

- a. The trued-up Annual Fixed Charges (AFC) approved for the Central Portion for 2014-19 tariff period are as follows:

Particulars	(₹ in lakh)				
	2014-15	2015-16	2016-17	2017-18	2018-19
Total Fee & Charges	95.56	107.41	92.92	97.92	94.00

- b. AFC allowed for the Central Portion for 2019-24 tariff period are as follows:

Particulars	(₹ in lakh)				
	2019-20	2020-21	2021-22	2022-23	2023-24
Total Fee & Charges	95.14	100.17	98.85	98.85	98.85

52. This order disposes of Petition No. 36/TT/2021 in terms of the above discussions and findings.

sd/-
(P. K. Singh)
Member

sd/-
(Arun Goyal)
Member

sd/-
(I. S. Jha)
Member

ATTESTED TRUE COPY
Pg-26 to 30
Authorised Signatory
Power Grid Corporation of India Ltd
No.-2, Sector-29, Gurgaon-122 001 (Haryana)



R.M. BANSAL & Co.
COST ACCOUNTANTS

A-201, TWIN TOWERS, LAKHANPUR KANPUR-208024
Mob: 8874341333, E-Mail: cmrmbansal11@gmail.com

CERTIFICATE

We have verified the relevant records and other documents of POWER GRID CORPORATION OF INDIA LTD. having its Registered office at B-9 Outub Institutional Area, Katwana Sara, New Delhi - 110016 and on the basis of our verification we do hereby certify the Revenue (O&M) Expenditure for Central Sector Communication Systems of Northern Region-1 detailed as under:

Description	DOCO	Amount (In Lacs)			
		2019-20	2020-21	2021-22	2022-23
Project Name : Northern Region Unified Load Despatch Center					
NRULDC - CENTRAL SECTOR	1-Aug-02	157.07	108.52	22.45	0
Total		157.07	108.52	22.45	0.00
Project Name : NLDC (POWERGRID PORTION)	1-Apr-09				
NLDC O&M		9.34	14.28	13.12	12.21
NLDC Leased Line Charges/Dark Fibre lease		258.23	133.1	89.87	95.25
Total		267.57	147.38	103.09	107.46
Project Name : Fibre Optic Communication System in lieu of existing Unified Load Despatch & Communication (ULDC) Microwave Links in NR-1 Region					
Central Sector Portion of 305.288 KM of Fibre Optic Communication System in lieu of existing Unified Load Despatch & Communication (ULDC) Microwave Links in NR-1 Region	1-Apr-12	18.32	28.01	25.74	23.96
Central Sector Portion for 290.393 KM of Fibre Optic Communication System in lieu of existing Unified Load Despatch & Communication (ULDC) Microwave Links in NR-1 Region	1-Jan-13	13.32	20.36	18.71	17.42
Central Sector Portion for 142.705 KM of Fibre Optic Communication System in lieu of existing Unified Load Despatch & Communication (ULDC) Microwave Links in NR-1 Region	1-Apr-13	12.19	18.65	17.14	15.95
Central Sector Portion for 175.869 KM of Fibre Optic Communication System in lieu of existing Unified Load Despatch & Communication (ULDC) Microwave Links in NR-1 Region	1-Oct-13	10.83	16.56	15.22	14.17
Central Sector Portion for 69.374 KM of Fibre Optic Communication System in lieu of existing Unified Load Despatch & Communication (ULDC) Microwave Links in NR-1 Region	1-Apr-14	7.77	11.87	10.91	10.15
Total		62.43	95.45	87.72	81.65
Project Name : Establishment of Fibre Optic Communication System in NR-1 Region					
Central Sector Portion of Establishment of Fibre Optic Communication System for 1030.426 KM under Establishment of Fibre Optic Communication System in NR-1 Region	1-Aug-14	59.55	91.04	83.68	77.85
Central Sector Portion of Establishment of Fibre Optic Communication System for 2186.339 KM under Establishment of Fibre Optic Communication System in NR-1 Region	1-Apr-16	137.98	210.98	173.89	180.42
Central Sector Portion of Establishment of Fibre Optic Communication System in Northern Region of Powergrid Corporation of India Limited for 1646.039 KM	20-Jan-18	146.01	223.26	185.16	190.93
Central Sector Portion for 89.148 KM & Telecom Sharing of 903.892 KM of Establishment of Fibre Optic Communication System in NR Region under Establishment of Fibre Optic Communication System in NR Region	1-Jan-19	20.24	30.94	28.43	26.46
Total		363.78	556.22	471.16	475.66
Project Name Unified Real Time Dynamic State Measurement (URTDMS) Phase-1 in Northern Region					
PHASE-1 "UNIFIED REAL TIME DYNAMIC STATE MEASUREMENT (URTDMS)" for NRLDC & SLDCs of Northern Region	30-Jun-18	138.73	175.44	337.1	455.58
Phase-1 Unified Real Time Dynamic State Measurement (URTDMS)-NLDC, Backup NLDC and NTAMC System-Phasor data concentrator (PDC) at NLDC, Backup NLDC and NTAMC	5-Mar-21	0	0	46.63	171.14
Total		138.73	175.44	383.73	626.72
Establishment of Fibre Optic Communication System in NR Region under fibre optic expansion project (Additional Requirement)					
Central Sector Portion for 660.145 KM of Establishment of Fibre Optic Communication System in NR Region	3-Mar-19	57.85	88.61	81.43	75.78
Establishment of Fibre Optic Communication System (Additional Requirement) in Northern Region for 980.973 KM OF Central Sector	27-Mar-21	0	0	40.01	66.16
Total		57.85	88.61	121.44	141.94
Communication System associated with "Reliable Communication Scheme under Central Sector for Northern Region"					
OPGW Links of Central Sector 380.272 KM alongwith associated Communication Equipment and 15 Nos. of Remote Terminal Units(RTUs)	2-Mar-21	0	0	0	2.14
OPGW Links of Central Sector 885.47 KM alongwith associated Communication Equipment	18-Mar-22	0	0	0	4.33
Total		0	0	0	6.47
OPGW Strengthening Scheme in Northern Region					
OPGW Links of 638.544 Km under OPGW Strengthening Scheme in Northern Region	24-Mar-24	0	0	0	0
Total		0	0	0	0
Establishment of State-of-the-Art Unified Centralized Network Monitoring System U-NMS for Northern Region (NR) ISTS and State Utility Communication Network					
Establishment of State-of-the-Art Unified Centralized Network Monitoring System U-NMS for Northern Region (NR) ISTS and State Utility Communication Network	16-Nov-23	0	0	0	0
Total		0	0	0	0
Grand Total		1047.48	1171.62	1189.60	1441.90

The above summary has been verified on the basis of the information drawn from audited statement of accounts of POWER GRID CORPORATION OF INDIA LTD., for the relevant financial years.
The details of above O&M expenditure is as per the Annexure-I & II

Place:- Kanpur
Date:- 04/10/2024



R.M. Bansal & Co.
Cost Accountants
FRN - 000022

Rishi Mohan Bansal
Partner
M.No. 3323
UDIN 240332172889010240



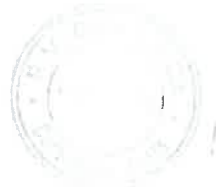
ANNEXURE - 1

We have verified the relevant records and other documents of POWER GRID CORPORATION OF INDIA LTD., having its Registered office at B-9, Outab Institutional Area, Katwaria Sarai, New Delhi - 110016 and on the basis of our verification, we do hereby certify the Revenue (O&M) Expenditure for Central Sector Communication Systems of Northern Region-I detailed as under :

	Amount (In Lacs)				
Description	2019-20	2020-21	2021-22	2022-23	2023-24
Employee Cost	102.40	83.85	36.37	11.91	13.56
Repair & Maintenance	20.73	68.61	273.26	507.16	1021.80
Professional charges	0.00	0.00	0.00	0.48	0.00
Training & Recruitment	0.00	0.00	0.08	0.00	0.00
Communication Expenses	0.67	0.47	0.26	0.01	0.00
Travelling / Vehicle Hiring Expenses	0.73	0.17	0.16	0.67	0.00
Entertainment Expenses	0.00	0.00	0.01	0.00	0.00
Rates & Taxes (Licence Fees & Royalty)	0.00	0.00	1.40	1.99	1.63
Leased Line Charges/Dark Fibre lease	0.00	0.00	0.00	0.00	0.00
Printing & Stationery	0.00	0.00	0.00	0.00	0.00
Total Expenses	124.53	153.10	311.54	522.22	1036.99
CC/RHQ Expenses	14.20	22.34	72.19	104.50	108.98
Grand Total	138.73	175.44	383.73	626.72	1145.97

The above summary has been verified on the basis of the information drawn from audited statement of accounts of POWER GRID CORPORATION OF INDIA LTD., for the relevant financial years.

R.M. Bansal & Co.
Cost Accountants
FRN - 000022



R. Mohan Bansal

Rishi Mohan Bansal
Partner
M.No. 3323

Place:- Kanpur
Date:- 04.10.2024



ANNEXURE - II

We have verified the relevant records and other documents of POWER GRID CORPORATION OF INDIA LTD., having its Registered office at B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi - 110016 and on the basis of our verification, we do hereby certify the Revenue (O&M) Expenditure for Central Sector Communication Systems of Northern Region-I detailed as under :

Description	Amount (In Lacs)				
	2019-20	2020-21	2021-22	2022-23	2023-24
Employee Cost	133.71	198.05	144.27	209.38	180.23
Repair & Maintenance	278.22	496.18	340.42	382.19	629.27
Professional charges	0.00	0.00	0.00	0.00	0.00
Training & Recruitment	0.02	0.08	0.04	0.00	0.00
Communication Expenses	0.69	1.25	0.09	0.41	0.32
Travelling Expenses	0.23	0.52	0.00	0.00	16.69
Entertainment Expenses	3.59	0.52	0.10	0.14	0.05
Vehicle Hiring Expenses	0.00	0.00	0.00	0.00	0.00
Rates & Taxes (Licence Fees & Royalty)	0.00	0.39	9.00	9.11	8.94
Leased Line Charges/Dark Fibre lease	258.23	133.10	89.97	95.25	121.12
Printing & Stationery	0.00	0.00	0.00	0.01	0.02
Total Expenses	674.69	830.09	583.89	696.49	956.64
CC/RHQ Expenses	234.05	166.08	221.98	118.67	52.35
Grand Total	908.74	996.17	805.87	815.16	1008.99

The above summary has been verified on the basis of the information drawn from audited statement of accounts of POWER GRID CORPORATION OF INDIA LTD , for the relevant financial years.

Place:- Kanpur
Date:- 04.10.2024



R.M. Bansal & Co.
Cost Accountants
FRN - 000022

Rishi Mohan Bansal

Rishi Mohan Bansal
Partner
M.No. 3323



CALCULATION FOR NATIONAL LOAD DESPATCH CENTER (PGCIL PORTION) - CENTRAL SECTOR		
2019-20		Rs in Lac
CENTRAL SECTOR	RATE	For expenditure as on 31.03.2019
CAPITAL COST		
Gross Loan		625.64
Gross equity		437.95
O/S Loan (as on 1.4.2019 for expenditure upto 31.03.2019)		187.69
O/S Equity (as on 1.4.2019 for expenditure upto 31.03.2019)		211.65
No. of years		5.00
Recovery factor - Loan	8.0533%	0.020302
Monthly Capital Recovery Charges - Loan	8.0533%	4.30
Recovery factor - Equity	15.500%	0.024053
Monthly Capital Recovery Charges - Equity	15.500%	2.77
Annual Capital Recovery Charges - Total		84.76
CALCULATION OF YEARLY INTEREST ON WORKING CAPITAL		
YEAR		2019-20
MAINTENANCE SPARES		1.40
O&M EXPENSES		0.78
RECEIVABLES		11.78
TOTAL WC		13.96
IWC	12.05%	1.68
CALCULATION OF YEARLY ANNUAL CHARGES - CENTRAL SECTOR		
YEAR		2019-20
ANNUAL CAPITAL RECOVERY CHARGES		84.76
O&M EXPENSES		9.34
INTEREST ON WORKING CAPITAL		1.68
TOTAL CHARGES		95.78
		Petitioner



CALCULATION FOR NATIONAL LOAD DESPATCH CENTER (PGCIL PORTION) - CENTRAL SECTOR		
2020-21		Rs in Lac
CENTRAL SECTOR	RATE	For expenditure as on 31.03.2020
CAPITAL COST		
Gross Loan		625.64
Gross equity		437.95
O/S Loan (as on 1.4.2020 for expenditure upto 31.03.2020)		187.69
		175.83
O/S Equity (as on 1.4.2020 for expenditure upto 31.03.2020)		98.50
No. of years		4.00
Recovery factor - Loan	7.6392%	0.024244
Monthly Capital Recovery Charges - Loan	7.6392%	4.26
Recovery factor - Equity	15.500%	0.028085
Monthly Capital Recovery Charges - Equity	15.500%	2.77
Annual Capital Recovery Charges - Total		84.35
CALCULATION OF YEARLY INTEREST ON WORKING CAPITAL		
YEAR		2020-21
MAINTENANCE SPARES		2.14
O&M EXPENSES		1.19
RECEIVABLES		12.38
TOTAL WC		15.71
IWC	11.25%	1.77
CALCULATION OF YEARLY ANNUAL CHARGES - CENTRAL SECTOR		
YEAR		2020-21
ANNUAL CAPITAL RECOVERY CHARGES		84.35
O&M EXPENSES		14.28
INTEREST ON WORKING CAPITAL		1.77
TOTAL CHARGES		100.40
		Petitioner



CALCULATION FOR NATIONAL LOAD DESPATCH CENTER (PGCIL PORTION) - CENTRAL SECTOR		
2022-23		Rs in Lac
CENTRAL SECTOR	RATE	For expenditure as on 31.03.2023
CAPITAL COST		
Gross Loan		625.64
Gross equity		437.95
O/S Loan (as on 1.4.2022 for expenditure upto 31.03.2023)		187.69
		94.33
O/S Equity (as on 1.4.2022 for expenditure upto 31.03.2023)		56.78
No. of years		2.00
Recovery factor - Loan	7.9255%	0.045193
Monthly Capital Recovery Charges - Loan	7.9255%	4.26
Recovery factor - Equity	15.500%	0.048725
Monthly Capital Recovery Charges - Equity	15.500%	2.77
Annual Capital Recovery Charges - Total		84.35
CALCULATION OF YEARLY INTEREST ON WORKING CAPITAL		
YEAR		2022-23
MAINTENANCE SPARES		1.83
O&M EXPENSES		1.02
RECEIVABLES		12.10
TOTAL WC		14.95
IWC	10.50%	1.57
CALCULATION OF YEARLY ANNUAL CHARGES - CENTRAL SECTOR		
YEAR		2022-23
ANNUAL CAPITAL RECOVERY CHARGES		84.35
O&M EXPENSES		12.21
INTEREST ON WORKING CAPITAL		1.57
TOTAL CHARGES		98.13
		Petitioner



CALCULATION FOR NATIONAL LOAD DESPATCH CENTER (PGCIL PORTION) - CENTRAL SECTOR		
2023-24		Rs in Lac
CENTRAL SECTOR	RATE	For expenditure as on 31.03.2024
CAPITAL COST		
Gross Loan		625.64
Gross equity		437.95
		187.69
O/S Loan (as on 1.4.2023 for expenditure upto 31.03.2024)		49.02
O/S Equity (as on 1.4.2023 for expenditure upto 31.03.2024)		30.57
No. of years		1.00
Recovery factor - Loan	8.6946%	0.087310
Monthly Capital Recovery Charges - Loan	8.6946%	4.28
Recovery factor - Equity	15.5000%	0.090494
Monthly Capital Recovery Charges - Equity	15.5000%	2.77
Annual Capital Recovery Charges - Total		84.56
CALCULATION OF YEARLY INTEREST ON WORKING CAPITAL		
YEAR		2023-24
MAINTENANCE SPARES		2.03
O&M EXPENSES		1.13
RECEIVABLES		12.29
TOTAL WC		15.44
IWC	12.00%	1.85
CALCULATION OF YEARLY ANNUAL CHARGES - CENTRAL SECTOR		
YEAR		2023-24
ANNUAL CAPITAL RECOVERY CHARGES		84.56
O&M EXPENSES		13.51
INTEREST ON WORKING CAPITAL		1.85
TOTAL CHARGES		99.92
		Petitioner



CALCULATION FOR NATIONAL LOAD DESPATCH CENTER (PGCIL PORTION) - CENTRAL SECTOR		
2023-24		Rs in Lac
CENTRAL SECTOR	RATE	For expenditure as on 31.03.2024
CAPITAL COST		
Gross Loan		625.64
Gross equity		437.95
		187.69
O/S Loan (as on 1.4.2023 for expenditure upto 31.03.2024)		0.00
O/S Equity (as on 1.4.2023 for expenditure upto 31.03.2024)		0.00
No. of years		0.00
Recovery factor - Loan	7.6392%	0.000000
Monthly Capital Recovery Charges - Loan	7.6392%	0.00
Recovery factor - Equity	15.500%	0.000000
Monthly Capital Recovery Charges - Equity	15.500%	0.00
Annual Capital Recovery Charges - Total		0.00
CALCULATION OF YEARLY INTEREST ON WORKING CAPITAL		
YEAR		2023-24
MAINTENANCE SPARES		1.88
O&M EXPENSES		1.04
RECEIVABLES		1.60
TOTAL WC		4.52
IWC	11.90%	0.54
CALCULATION OF YEARLY ANNUAL CHARGES - CENTRAL SECTOR		
YEAR		2023-24
ANNUAL CAPITAL RECOVERY CHARGES		0.00
O&M EXPENSES		12.51
INTEREST ON WORKING CAPITAL		0.54
TOTAL CHARGES		13.05
		Petitioner



CALCULATION FOR NATIONAL LOAD DESPATCH CENTER (PGCIL PORTION) - CENTRAL SECTOR		
2023-24		Rs in Lac
CENTRAL SECTOR	RATE	For expenditure as on 31.03.2024
CAPITAL COST		
Gross Loan		
Gross equity		
O/S Loan (as on 1.4.2023 for expenditure upto 31.03.2024)		
O/S Equity (as on 1.4.2023 for expenditure upto 31.03.2024)		
No. of years		0.00
Recovery factor - Loan	7.6392%	0.000000
Monthly Capital Recovery Charges - Loan	7.6392%	0.00
Recovery factor - Equity	15.5000%	0.000000
Monthly Capital Recovery Charges - Equity	15.5000%	0.00
Annual Capital Recovery Charges - Total		0.00
CALCULATION OF YEARLY INTEREST ON WORKING CAPITAL		
YEAR		2023-24
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O&M EXPENSES		1.04
RECEIVABLES		1.60
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CALCULATION OF YEARLY ANNUAL CHARGES - CENTRAL SECTOR		
YEAR		2023-24
ANNUAL CAPITAL RECOVERY CHARGES		0.00
O&M EXPENSES		12.51
INTEREST ON WORKING CAPITAL		0.54
TOTAL CHARGES		13.05
		Petitioner



CALCULATION FOR NATIONAL LOAD DESPATCH CENTER (PGCIL PORTION) - CENTRAL SECTOR	
2023-24	Rs in Lac
CENTRAL SECTOR	For expenditure as on 31.03.2024
CAPITAL COST	
Gross Loan	625.64
Gross equity	437.95
O/S Loan (as on 1.4.2023 for expenditure upto 31.03.2024)	187.69
O/S Equity (as on 1.4.2023 for expenditure upto 31.03.2024)	0.00
No. of years	0.00
Recovery factor - Loan	7.6392%
Monthly Capital Recovery Charges - Loan	0.000000
Recovery factor - Equity	7.6392%
Monthly Capital Recovery Charges - Equity	0.000000
Annual Capital Recovery Charges - Total	0.00
	0.00
CALCULATION OF YEARLY INTEREST ON WORKING CAPITAL	
YEAR	2023-24
MAINTENANCE SPARES	1.88
O&M EXPENSES	1.04
RECEIVABLES	1.60
TOTAL WC	4.52
IWC	11.90%
CALCULATION OF YEARLY ANNUAL CHARGES - CENTRAL SECTOR	
YEAR	2023-24
ANNUAL CAPITAL RECOVERY CHARGES	0.00
O&M EXPENSES	12.51
INTEREST ON WORKING CAPITAL	0.54
TOTAL CHARGES	13.05
	Petitioner



CALCULATION FOR NATIONAL LOAD DESPATCH CENTER (PGCIL PORTION) - CENTRAL SECTOR		
2023-24		Rs in Lac
CENTRAL SECTOR	RATE	For expenditure as on 31.03.2024
CAPITAL COST		
Gross Loan		625.64
Gross equity		437.95
O/S Loan (as on 1.4.2023 for expenditure upto 31.03.2024)		187.69
O/S Equity (as on 1.4.2023 for expenditure upto 31.03.2024)		0.00
No. of years		0.00
Recovery factor - Loan	7.6392%	0.000000
Monthly Capital Recovery Charges - Loan	7.6392%	0.00
Recovery factor - Equity	15.5000%	0.000000
Monthly Capital Recovery Charges - Equity	15.5000%	0.00
Annual Capital Recovery Charges - Total		0.00
CALCULATION OF YEARLY INTEREST ON WORKING CAPITAL		
YEAR		2023-24
MAINTENANCE SPARES		1.88
O&M EXPENSES		1.04
RECEIVABLES		1.60
TOTAL WC		4.52
IWC	11.90%	0.54
CALCULATION OF YEARLY ANNUAL CHARGES - CENTRAL SECTOR		
YEAR		2023-24
ANNUAL CAPITAL RECOVERY CHARGES		0.00
O&M EXPENSES		12.51
INTEREST ON WORKING CAPITAL		0.54
TOTAL CHARGES		13.05
		Petitioner



	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
	8.0533% 15.5000%	7.6392% 15.5000%	7.0277% 15.5000%	7.9255% 15.5000%	8.6946% 15.5000%	0.0000% 15.5000%
	211.65 115.01	175.83 98.50	136.76 79.24	94.33 56.78	49.02 30.57	0.00 0.00
	60.00 60.00	48.00 48.00	36.00 36.00	24.00 24.00	12.00 12.00	0.00 0.00
1	2.88 1.28	3.14 1.49	3.42 1.74	3.64 2.03	3.93 2.37	0.00 0.00
2	2.90 1.30	3.16 1.51	3.44 1.77	3.66 2.06	3.95 2.40	0.00 0.00
3	2.92 1.31	3.18 1.53	3.46 1.79	3.69 2.09	3.98 2.43	0.00 0.00
4	2.93 1.33	3.20 1.55	3.48 1.81	3.71 2.11	4.01 2.46	0.00 0.00
5	2.95 1.35	3.22 1.57	3.50 1.83	3.74 2.14	4.04 2.50	0.00 0.00
6	2.97 1.37	3.24 1.59	3.52 1.86	3.76 2.17	4.07 2.53	0.00 0.00
7	2.99 1.38	3.27 1.61	3.55 1.88	3.79 2.20	4.10 2.56	0.00 0.00
8	3.01 1.40	3.29 1.63	3.57 1.91	3.81 2.22	4.13 2.59	0.00 0.00
9	3.03 1.42	3.31 1.66	3.59 1.93	3.84 2.25	4.16 2.63	0.00 0.00
10	3.05 1.44	3.33 1.68	3.61 1.96	3.86 2.28	4.19 2.66	0.00 0.00
11	3.08 1.46	3.35 1.70	3.63 1.98	3.89 2.31	4.22 2.70	0.00 0.00
12	3.10 1.48	3.37 1.72	3.65 2.01	3.91 2.34	4.25 2.73	0.00 0.00
Total	35.82 16.51	39.07 19.26	42.43 22.47	45.30 26.21	49.02 30.57	0.00 0.00



Particulars	31.03.2024	31.03.2023	31.03.2022	31.03.2021	31.03.2020	31.03.2019
Interest on loan from	8,910.90	8,463.50	7,903.77	8719.69	9846.58	9748.59
Others	-3.06	-4.98	-5.83	-7.01	-1.57	-34.51
Guarantee Fee	330.74	337.66	354.83	376.44	363.69	449.17
Other Finance Charges	36.3	16.08	22.94	58.25	36.22	116.96
Foreign currency bonds	0	-136.55	-158.76	-156.82	-150.49	-147.78
Exchange difference to borrowing cost	14.94	1,072.04	212.65	-223.1	1343.96	-112
Total Interest	9,289.82	9,747.75	8,329.60	8767.45	11438.39	10020.43



Loan	As on 31.03.2019	As on 31.03.2018	Average Loan during the year	Weighted Average Rate of Interest
Long Term Borrowing	1,31,03,951.00	1,22,42,032.00	12672991.50	
Total Loans	13103951.00	12242032.00	12672991.50	
(a) Average Loan during the year			12672991.50	
Interest on Loan and Finance Charges	1002043.00	907584.00	954813.50	
(b) Average Interest during the year			954813.50	
Weighted Average Rate of Interest			{{(b)/(a)}	7.5342%

Loan	As on 31.03.2020	As on 31.03.2019	Average Loan during the year	Weighted Average Rate of Interest
Long Term Borrowing	1,35,42,111.00	1,31,03,951.00	13323031.00	
Total Loans	1,35,42,111.00	1,31,03,951.00	13323031.00	
(a) Average Loan during the year			13323031.00	
Interest on Loan and Finance Charges	1143839.00	1002043.00	1072941.00	
(b) Average Interest during the year			1072941.00	
Weighted Average Rate of Interest			{{(b)/(a)}	8.0533%

Loan	As on 31.03.2021	As on 31.03.2020	Average Loan during the year	Weighted Average Rate of Interest
Long Term Borrowing	1,29,08,007.00	1,35,42,111.00	13225059.00	
Total Loans	1,29,08,007.00	1,35,42,111.00	13225059.00	
(a) Average Loan during the year			13225059.00	
Interest on Loan and Finance Charges	876745.00	1143839.00	1010292.00	
(b) Average Interest during the year			1010292.00	
Weighted Average Rate of Interest			{{(b)/(a)}	7.6392%

Loan	As on 31.03.2022	As on 31.03.2021	Average Loan during the year	Weighted Average Rate of Interest
Long Term Borrowing	1,14,19,940.00	1,29,08,007.00	12163973.50	
Total Loans	1,14,19,940.00	1,29,08,007.00	12163973.50	
(a) Average Loan during the year			12163973.50	
Interest on Loan and Finance Charges	832960.00	876745.00	854852.50	
(b) Average Interest during the year			854852.50	
Weighted Average Rate of Interest			{{(b)/(a)}	7.0277%

Loan	As on 31.03.2023	As on 31.03.2022	Average Loan during the year	Weighted Average Rate of Interest
Long Term Borrowing	1,13,89,129.00	1,14,19,940.00	11404534.50	
Total Loans	1,13,89,129.00	1,14,19,940.00	11404534.50	
(a) Average Loan during the year			11404534.50	
Interest on Loan and Finance Charges	974775.00	832960.00	903867.50	
(b) Average Interest during the year			903867.50	
Weighted Average Rate of Interest			{{(b)/(a)}	7.9255%

Loan	As on 31.03.2024	As on 31.03.2023	Average Loan during the year	Weighted Average Rate of Interest
Long Term Borrowing	1,05,06,695.00	1,13,89,129.00	10947912.00	
Total Loans	1,05,06,695.00	1,13,89,129.00	10947912.00	
(a) Average Loan during the year			10947912.00	
Interest on Loan and Finance Charges	928982.00	974775.00	951878.50	
(b) Average Interest during the year			951878.50	
Weighted Average Rate of Interest			{{(b)/(a)}	8.6946%



Ref: CC/Commercial/2024

Date: 28.08.2024


LETTER OF AUTHORIZATION

In reference to the POWER OF ATTORNEY dated 14.08.2024 and in supersession of letter of authorization dated 13.12.2022 I hereby authorize following executives to sign Petitions, Appeals, Vakalatnama, Affidavits, etc. and to represent POWERGRID before various forums/ courts / tribunals i.e Central Electricity Regulatory Commission, State Electricity Regulatory Commission, Appellate Tribunal for Electricity, High courts and Supreme Court etc. :

1. Sh. Mohd. Mohsin, Chief General Manager
2. Sh. V. C. Sekhar, Senior General Manager
3. Sh. Zafrul Hasan, General Manager

Further, following executives are authorised to represent cases before Central Electricity Regulatory Commission and Appellate Tribunal for Electricity

1. Sh. Angaru Naresh Kumar, Deputy General Manager
2. Smt. Suchitra Gautam, Deputy General Manager
3. Sh. Vishal Sagar, Deputy General Manager
4. Sh. G. Vijay, Deputy General Manager
5. Sh. Vivek Kumar Singh, Deputy General Manager
6. Sh. Amit Kumar Chachan, Deputy General Manager
7. Smt. Supriya Singh, Chief Manager (Law)
8. Sh. Arjun Malhotra, Manager (Law)
9. Smt. Tanushree Rao, Deputy Manager (Law)


28/08/2024
Dilip Nagesh Rozekar

Executive Director (Commercial & RC)

दिलीप रोजेकर / DILIPROZEKAR

Executive Director (Commercial & Regulatory Cell)
पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
Power Grid Corporation of India Ltd.
(भारत सरकार का उद्यम)/(A Govt. of India Enterprise)
Plot No.-2, Sector-29, Gurgaon- 122 001 (Haryana)



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PART-III

Checklist of Forms and other information/ documents for tariff filing for
Transmission System& Communication System

Form No.	Title of Tariff Filing Forms (Transmission& Communication System)	Tick
FORM- 1	Summary of Tariff	NA
FORM- 1A	Summary of Asset level cost	NA
FORM-2	Details of Transmission Lines and Substations and Communication System covered in the project scope and O&M for instant asset	NA
FORM-3	Normative parameters considered for tariff computations	NA
FORM- 4	Abstract of existing transmission assets/ elements under project, Determination of Effective COD and Weighted Average Life for single AFC for the project as whole.	NA
FORM- 4A	Statement of Capital cost	NA
FORM- 4B	Statement of Capital Works in Progress	NA
FORM- 4C	Abstract of Capital Cost Estimates and Schedule of Commissioning for the New Project/ Element	NA
FORM-5	Element wise Break-up of Project/ Asset/ Element Cost for Transmission System or Communication System	NA
FORM-5A	Break-up of Construction/Supply/Service packages	NA
FORM-5B	Details of all the assets covered in the project	NA
FORM- 6	Actual Cash Expenditure and Financial Package up to COD	NA
FORM- 7	Statement of Additional Capitalisation after COD	NA
FORM- 7A	Financing of Additional Capitalisation	NA
FORM- 7B	Statement of Additional Capitalisation during five year before the end of the useful life of the project.	NA
FORM- 8	Calculation of Return on Equity	NA
FORM-8A	Details of Foreign Equity	NA
FORM-9	Details of Allocation of corporate loans to various transmission elements	NA
FORM-9A	Details of Project Specific Loans	NA
FORM-9B	Details of Foreign loans	NA
FORM-9C	Calculation of Weighted Average Rate of Interest on Actual Loans	NA
FORM-9D	Loans in Foreign Currency	NA
FORM-9E	Calculation of Interest on Normative Loan	NA
FORM- 10	Calculation of Depreciation Rate on original project cost	NA
FORM- 10A	Statement of Depreciation	NA
FORM- 10B	Statement of De-capitalisation	NA
FORM- 11	Calculation of Interest on Working Capital	NA
FORM- 12	Details of time over run	NA
FORM- 12A	Incidental Expenditure during Construction	NA
FORM- 12B	Calculation of IDC & Financing Charges	NA
FORM- 13	Details of Initial spares	NA
FORM- 14	Non-Tariff Income	NA
FORM- 15	Summary of issue involved in the petition	✓
FORM A	Summary of Capital Cost & Annual Fixed Cost (AFC) Claimed for ALL	✓



Other Information/ Documents		
S. No.	Information/Document	Tick
1	Certificate of incorporation, Certificate for Commencement of Business, Memorandum of Association, & Articles of Association (For New Project(s) setup by a company making tariff application for the first time to CERC)	NA
2	Region wise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & Annexure for the new Transmission System & Communication System for the relevant years.	NA
3	Copies of relevant loan Agreements	NA
4	Copies of the approval of Competent Authority for the Capital Cost and Financial package.	Yes
5	Copies of the Equity participation agreements and necessary approval for the foreign equity.	NA
6	Copies of the BPTA/TSA/PPA with the beneficiaries, if any	NA
7	Detailed note giving reasons of cost and time over run, if applicable. List of supporting documents to be submitted: a. Detailed Project Report b. CPM Analysis c. PERT Chart and Bar Chart d. Justification for cost and time Overrun	Yes
8	Transmission Licensee shall submit copy of Cost Audit Report along with cost accounting records, cost details, statements, schedules etc. for the transmission system as submitted to the Govt. of India for first two years i.e. 2019-20 and 2020-21 at the time of mid-term true-up in 2021-22 and for balance period of tariff period 2019-24 at the time of final true-up in 2024-25. In case of initial tariff filing the latest available Cost Audit Report should be furnished.	NA
9.	BBMB is maintaining the records as per the relevant applicable Acts. Formats specified herein may not be suitable to the available information with BBMB. BBMB may modify formats suitably as per available information to them for submission of required information for tariff purpose.	NA
10.	Any other relevant information, (Please specify)	NA

Note 1: Electronic copy of the petition (in words format) and detailed calculation as per these formats (in excel format) and any other information submitted has to be uploaded in the e-filing website and shall also be furnished in pen drive/flash drive.

