

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

**PETITION FOR
APPROVAL OF TRANSMISSION TARIFF**

For

Transmission Assets of

*Project - "Requirement of additional FOTE of STM-16 capacity
at Bhuj PS to cater to connectivity of RE Gencos"*

Implemented by

Power Grid Corporation of India Ltd

For

TARIFF BLOCK: 2024-29

PETITION NO.....

Power Grid Corporation of India Ltd

**REGISTERED OFFICE
B-9, QUTAB INSTITUTIONAL AREA, KATWARIA SARAI,
NEW DELHI - 110 016**



BEFORE
THE CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

PETITION NO.: .../TT/2025

IN THE MATTER OF: Petition for determination of transmission tariff for 2024-29 tariff block for asset under "Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos" in Western Region under Section 62 read with Section 79(1)(d) of the Electricity Act, 2003, Regulation 15(1)(a) & Regulation 23 of Central Electricity Regulatory Commission (Conduct of Business) Regulations, 2023 and Central Electricity Regulatory Commission (Terms and Condition 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

Vs

Madhya Pradesh Power Management Company Ltd.

Shakti Bhawan, Rampur
Jabalpur - 482 008
Represented by Its MD
And others

.....RESPONDENT(S)

Petitioner

Date: 30.01.2025


(Mohd Mohsin)
Chief General Manager (Commercial)



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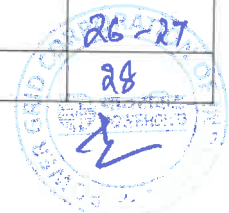
Represented by Its MD

And others

.....RESPONDENT(S)

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FILED BY**POWER GRID CORPORATION OF INDIA LTD.****Place: Gurugram****DATED: 30.01.2025****REPRESENTED BY**
Mohd. Mohsin**Chief General Manager (Commercial)**

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Power Grid Corporation of India Ltd

.....PETITIONER

**Madhya Pradesh Power Management Company Ltd.
And others**

.....RESPONDENTS

To,
The Secretary,
Central Electricity Regulatory Commission,
New Delhi-110001

Sir,

The present tariff Petition is being filed under Section 62 read with Section 79 (1) (d) of the Electricity Act, 2003 and under Regulation 15 (1) (a) & Regulation 23 of Central Electricity Regulatory Commission (Conduct of Business) Regulations, 2023 and Central Electricity Regulatory Commission (Terms and Condition of Tariff Regulations), 2024 and the same may be pleased to be registered and taken on record by the Hon'ble Commission.

FILED BY

POWER GRID CORPORATION OF INDIA LTD.

Place: Gurugram

REPRESENTED BY

DATED: 30.01.2025


Mond. Mohsin

Chief General Manager (Commercial)



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Jabalpur - 482 008

Represented by Its MD

And others

.....RESPONDENT(S)

MEMO OF PARTIES

1. **MADHYA PRADESH.POWER MANAGEMENT COMPANY LTD.**
SHAKTI BHAWAN, RAMPUR, JABALPUR - 482 008
EMAIL-ANURAG.NAIK@MPPMCL.COM&COMML.DEPTT@MPPMCL.COM
CONTACT NO- 9425805876
REPRESENTED BY ITS MD
2. **MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.**
PRAKASHGAD, PLOT NO G-9, A K MARG, BANDRA (EAST), MUMBAI-400 051
EMAIL- CEPPMSDCL@GMAIL.COM
CONTACT NO- 9833387967



REPRESENTED BY ITS MD

3. **GUJARAT URJA VIKAS NIGAM LTD.**

SARDAR PATEL VIDYUT BHAWAN, RACE COURSE ROAD, VADODARA - 390 007

EMAIL- DECSP.GUVNL@GEBMAIL.COM

CONTACT NO- 7069009628

REPRESENTED BY ITS MD

4. **ELECTRICITY DEPARTMENT**

VIDYUT BHAWAN, GOVT. OF GOA, PANAJI, GOA - 403 001

EMAIL- CEE-ELEC.GOA@NIC.IN

CONTACT NO- 7350644000

REPRESENTED BY ITS CHIEF ENGINEER (ELECTRICAL)

5. **DNHDD POWER DISTRIBUTION CORPORATION LIMITED**

VIDYUT BHAWAN, 66KV ROAD, NEAR SECRETARIAT, AMLI, SILVASSA - 396 230

EMAIL- BHAVIKSHAH@TORRENTPOWER.COM

CONTACT NO- 9227758405

REPRESENTED BY ITS SECRETARY (FIN.)

6. **CHHATTISGARH STATE POWER DISTRIBUTION COMPANY LIMITED**

P.O. SUNDER NAGAR, DANGANIA, RAIPUR, CHHATTISGARH-492 013

EMAIL- CECOMCSEB@REDIFFMAIL.COM

CONTACT NO- 982618253

REPRESENTED BY ITS CHAIRMAN

FILED BY
POWER GRID CORPORATION OF INDIA LTD.

Place: Gurugram

DATED: 30.01.2025

REPRESENTED BY


Mohd. Mohsin

Chief General Manager (Commercial)



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Power Grid Corporation of India Ltd

.....PETITIONER

Vs

Madhya Pradesh Power Management Company Ltd.

.....RESPONDENT(S)

MEMO OF APPEARANCE

POWER GRID CORPORATION OF INDIA LTD.

-- PETITIONER

1. Shri Dilip Nagesh Rozekar, Executive Director (Commercial & RC), POWERGRID
2. **Shri Mohd. Mohsin, Chief General Manager, POWERGRID**
3. V.C. Sekhar, Senior General Manager, POWERGRID
4. Shri Zafrul Hasan, General Manager, POWERGRID
5. Shri Vishal Sagar, Deputy General Manager, POWERGRID
6. Shri Arjun Malhotra, Manager (Law), POWERGRID

I, Mohd Mohsin, 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 ^{30th} day of January 2025.

PETITIONER
POWER GRID CORPORATION OF INDIA LTD.

Place: Gurugram

DATED: 30.01.2025


Mohd. Mohsin
Chief General Manager (Commercial)

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And others

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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, maintain and operate an efficient, coordinated and economical interstate 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 Central Commission**”).
 Tariff for the transmission system established by POWERGRID is required to be determined by this Hon’ble Central Commission in accordance with the Tariff Regulations as notified by this Hon’ble Central Commission in exercise of its powers under Section 178 of the Electricity Act, 2003.

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

POWERGRID has impleaded distribution licensees and Government department of the respective states which are engaged in distribution of electricity in Western Region of India. The respondents are also ‘Designated Inter State Transmission Customer’ (hereinafter referred to as ‘DICS’) in terms of the 2020 Sharing Regulations from Western region.

(iii) Background of Transmission Assets:

- POWERGRID is filing the present petition for determination of tariff for the following Assets which have been implemented under “Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos” in Western Region for the following:

Asset No	Asset Name	SCOD	DOCO
Asset-1	Two Numbers Additional FOTE of STM -16 Capacity (5 MSP Tejas Make) at Bhuj PS	09.07.2024	06.10.2024

(iv) Brief description of important events relevant to the Petition:

S.No	Event	Date
1.	National Committee of Transmission (NCT) in its 14th meeting held on 09.06.2023 inter-alia approved “Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos” (‘Transmission Scheme’) under Regulated Tariff Mechanism (RTM) mode and implementation	09.06.2023/ 07.07.2023



S.No	Event	Date
	was assigned to POWERGRID. NCT vide letter dated 07.07.2023 conveyed the approved transmission schemes in 14th meeting to CTUIL.	
2.	CTUIL vide OM ref. no. CTUIL/OM/09/052023 has approved the implementation of the above Communication Scheme under RTM mode by POWERGRID (implementing agency)	10.07.2023
3.	Investment Approval	09.10.2023
4.	SCOD	09.07.2024
5.	COD	06.10.2024

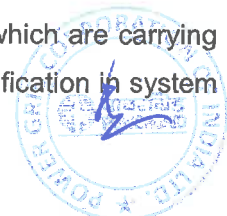
(v) Summary of Claims:

3. POWERGRID is seeking determination of tariff for aforesaid communication asset on estimated capital cost comprising of capital cost incurred upto Commercial Operation Date (“COD”) and projected additional capital expenditure in accordance with terms of Regulation 24 & 25 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 (“**Tariff Regulations, 2024**”).
4. The details of FR approved cost vis-à-vis claimed capital cost as on COD and additional capital expenditure during 2024-29 tariff block is as under:

(Rs. in lakhs)

Asset No.	Apportioned Approved Cost as per FR	Expenditure Up to COD (06.10.2024)	Estimated expenditure during 2024-29 tariff block	Estimated completion Cost as on 31.03.2029
			2024-25	
Asset-1	40.53	3.79	35.22	39.01

5. **Details of Time- Overrun:** There is time overrun of 89 days in commissioning of subject asset. In this regard, it is submitted that the Bhuj Pooling Station was commissioned in 2018 and that the equipment room is fully occupied with existing communication equipment, DTPC panels etc and accommodating additional 2 nos. FOTE panels requires adjustment and shifting of existing panels which are carrying live data to WRLDC/NTAMC. Since the instant work involved modification in system



carrying live traffic to grid operators, permissions were required to be taken from WRLDC/NTAMC and hence this led to delay of 89 days in installation and integration of 2 nos. additional FOTE at Bhuj PS.

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

(vi)Details of tariff claimed for 2024-29 tariff block:

(Rs. in Lakhs)

Name of the asset	2024-25	2025-26	2026-27	2027-28	2028-29
Asset-1	3.13	10.80	10.31	9.84	9.35

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, maintain and operate an efficient, coordinated and economical interstate transmission system (ISTS).
9. That the Hon'ble Commission have notified CERC (Terms and Conditions of Tariff) Regulations, 2024, vide notification dated 15.03.2024 for a period of 5 years w.e.f. 01.04.2024. The tariff for the said transmission systems shall be determined by the Hon'ble Central Commission in accordance with the Tariff Regulations, 2024.
10. That the present petition covers approval of transmission tariff for following Asset:



Asset No	Asset Name	DOCO
Asset-1	Two Numbers Additional FOTE of STM -16 Capacity (5 MSP Tejas Make) at Bhuj PS	06.10.2024

Approval of the Scheme

11. That National Committee of Transmission (NCT) in its 14th meeting held on 09.06.2023 inter-alia approved “**Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos**” (‘**Transmission Scheme**’) under RTM mode and implementation was assigned to Petitioner. NCT vide letter dated 07.07.2023 conveyed the approved transmission schemes in 14th NCT meeting to CTUIL. Subsequently, CTUIL vide OM dated 10.07.2023 assigned the Transmission Scheme to Petitioner.

Copy of Minutes of 14th NCT, NCT letter dated 07.07.2023 and CTUIL OM dated 10.07.2023 are attached as **Encl-1**.

12. That the investment approval of the project was accorded by CMD (POWERGRID) vide Memorandum dated 09.10.2023 at an estimated cost of ₹ 0.40 crore including Interest During Construction (IDC) of ₹ 0.01 crore based on June 2023 price level; a copy whereof is attached hereto as **Encl.-2**.

13. As per the investment approval dated 09.10.2023, Subject project was scheduled to be commissioned by 09.07.224. Against which the subject asset was put under commercial operation as under:

Asset	SCOD	DOCO	Delay (in days)
Asset-1	09.07.2024	06.10.2024	89

It is submitted that the entire scope of the instant project is completed and covered under the instant petition.



SCOPE OF WORK:

14. The scope of work covered under “**Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos**” is as follows:
- (i) Supply and installation of 1 no. 10 MSP (1+1) FOTE or 2 no 5 MSP (1+1) FOTE (STM -16 capacity) at Bhuj PS.
 - (ii) SDH Equipment – 2 nos.

The entire scope of the project is completed after commissioning of subject Asset.

RLDC trial operation certificate, and DOCO certificate for the instant asset are attached as **Encl-3.**

15. It is submitted that as per Regulation 9 of the CERC (Terms and Conditions of Tariff) Regulations, 2024, the following condition has to be fulfilled while filing the Tariff petition for 2024-29 tariff block: -

Quote

“Provided that where the transmission system comprises various elements, the transmission licensee shall file an application for determination of tariff for a group of elements on incurring of expenditure of not less than Rs. 100 Crore or 70% of the cost envisaged in the Investment Approval, whichever is lower, as on the actual date of commercial operation.”

Unquote

- With the commissioning of Asset -1, complete Transmission Scheme has been commissioned and the above condition has been met and the Petitioner is filing the instant petition in compliance with Regulation 9 of CERC Regulations, 2024.

16. Implementation Schedule

As per the investment approval dated 09.10.2023, Subject project was scheduled to be commissioned by 09.07.2024. Against which the subject asset was put under commercial operation as under:



Asset	SCOD	DOCO	Delay (in days)
Asset-1	09.07.2024	06.10.2024	89

The asset has been commissioned on 06.10.2024 and there is time over run of 89 days in the commissioning of the instant asset.

17. **Reasons of delay:** With regard to time over run in commissioning of the instant asset, it is submitted that the Bhuj Pooling Station was commissioned in 2018 and that the equipment room is fully occupied with existing communication equipment, DTPC panels etc. and accommodating additional 2 nos. FOTE panels requires adjustment and shifting of existing panels which are carrying live data to WRLDC/NTAMC. Since the instant work involved modification in system carrying live traffic to grid operators, permissions were required to be taken from WRLDC/NTAMC and hence this led to delay of 89 days in installation and integration of 2 nos. additional FOTE at Bhuj PS.

It is prayed that the Hon'ble Commission may consider the above-mentioned unforeseen events in commissioning of Assets and condone the time overrun.

18. **Estimated Completion Cost:**

The present Petition for determination of tariff is filed in line with provision 9(1) of tariff Regulation 2024 applicable for 2024-29 period. The capital cost incurred upto DOCO and additional capital expenditure projected to be incurred for 2024-29 is duly certified by the Auditor. Copy of Auditor Certificates for the assets in the instant petition are attached at **Encl-4**.

(₹ in Lakhs)

Asset No.	Apportioned Approved Cost as per FR	Expenditure Up to COD	Estimated expenditure during 2024-29 tariff block	Estimated completion Cost as on 31.03.2029
			2024-25	
Asset-1	40.53	3.79	35.22	39.01

Hence, it may be seen from the above that the estimated completion cost of the Asset based on the Auditor certificate is within apportioned FR approved cost.



Cost variation:

The details of estimated completion cost vis-à-vis apportioned/FR cost for the Asset covered under instant petition is as follow:

(Rs. In lakhs)

Asset No.	Approved cost (FR) (a)	Estimated Completion Cost (b)	Variation FR (-decrease/+increase) (c= b-a)
Asset-1	40.53	39.01	-1.52

The item-wise cost variation between FR approved cost and estimated completion cost have been given in Form-5.

Further, Salient Reasons of Cost Variation w.r.t. FR is given here as under:

Asset-I

S. No	Description	Cost as per FR	Estimated Capital Cost	Variation (-decrease, +increase)
		a	b	c = b - a
1	Communication System equipment	34.61	35.22	0.61
2	Over heads	4.76	3.79	-0.97
3	Interest During Construction (IDC)	1.16	0	-1.16

Variation in IDC & Variation in IEDC:

Decrease in IDC is attributable to the fact there is only IEDC expenditure of Rs 3.79 lakhs till COD of the asset which was paid through internal accruals and therefore no IDC has been incurred.

Regarding decrease in IEDC, it is to submit that in the Investment approval, Contingency have been considered @ 3%, whereas in actual, no contingency has been incurred and the same has been considered in the Auditor Certificate.

Cost variation in the Communication System equipment - It is submitted that through open competitive bidding process, lowest possible market prices for required product/services/as per detailed designing is obtained and contracts are awarded on the basis of lowest evaluated eligible bidder on overall basis. The best competitive bid



prices against tenders may vary as compared to the cost estimate depending upon prevailing market conditions, design and site requirements, whereas the estimates are prepared by the petitioner as per well-defined procedures for cost estimate. The FR cost estimate is broad indicative cost worked out generally on the basis of average unit rates of recently awarded contracts as a general practice.

Considering the above, it is humbly prayed that full tariff may be allowed from DOCO based on estimated completion cost of the subject assets.

DETAILS OF THE INITIAL SPARES:

19. No initial spares have been claimed in the instant petition.

DETAILS OF ADDITIONAL CAPITALIZATION

20. The details of additional capitalization (Add Cap) claimed during 2024-29 tariff block is given as hereunder:

The admissibility of additional capital expenditure (Add Cap) incurred after the DOCO is to be dealt with in accordance with the provisions of Regulation 24 of CERC Tariff Regulations, 2024. The extract of Regulation 24 of the Tariff Regulations, 2024 is reproduced as under:

“Additional Capitalization”

(1) The additional capital expenditure in respect of a new project or an existing project incurred or projected to be incurred, on the following counts within the original scope of work, after the date of commercial operation and up to the cut-off date may be admitted by the Commission, subject to prudence check:

- (a) Payment made towards admitted liabilities for works executed up to the cut-off date;*
- (b) Works deferred for execution;*
- (c) Procurement of initial capital spares within the original scope of work, in accordance with the provisions of Regulation 23 of these regulations;*
- (d) Payment against the award of arbitration or for compliance with the directions or order of any statutory authority or order or decree of any court of law;*



(e) Change in law or compliance with any existing law which is not provided for in the original scope of work;

(f) For uninterrupted and timely development of Hydro projects, expenditure incurred towards developing local infrastructure in the vicinity of the power plant not exceeding Rs. 10 lakh/MW shall be considered as part of capital cost and in case the same work is covered under budgetary support provided by Government of India, the funding of such works shall be adjusted on receipt of such funds;

Provided that such expenditure shall be allowed only if the expenditure is incurred through Indian Governmental Instrumentality; and

(g) Force Majeure events:

Provided that in case of any replacement of the assets, the additional capitalization shall be worked out after adjusting the gross fixed assets and cumulative depreciation of the assets replaced on account of de-capitalization.

21. Additional capitalization claims under Regulation:

Sl. No.	Asset	DOC date	Cut-off date
1	Asset-1	06.10.2024	31.03.2028

22. Add cap for 2024-29 block:

Asset	Add cap detail (Rs. Lakhs)				
	2024-25	2025-26	2026-27	2027-28	2028-29
Asset-1.	35.22	0	0	0	0
	Applicable regulation				
	24(1)(a)	-	-	-	-

23. The additional Capitalisation incurred/projected to be incurred in the contextual assets is on account of Balance/Retention Payments for work executed under cut off date and hence, the same may be allowed by the Hon'ble Commission under Regulation 24(1)(a) of Tariff Regulations, 2024. That the liability flow statement is enclosed as **Encl-6**.

TRANSMISSION TARIFF FOR 2024-29 BLOCK:



24. That as per regulation 8(1) (i) & (ii), 14 (5) and regulation 15 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024, the tariff for transmission of electricity on Inter-State transmission system (ISTS) shall comprise transmission charges for recovery of annual fixed cost consisting of (a) Return on Equity, (b) Interest on Loan Capital, (c) Depreciation, (d) Interest on Working Capital and (e) Operation and maintenance expenses.
25. The tariff for block 2024-29 has been worked out as per Regulation 10 of the CERC (Terms and Conditions of Tariff) Regulations, 2024. In the present petition the transmission tariff has been calculated taking actual Expenditure upto DOCO and Actual/estimated expenditure from DOCO to 31.03.2029. The tariff Formats for block 2024-29 has been worked out as per Annexure-I, Part III of the tariff regulations for period 2024-29.
26. Further, for the instant assets, details of accrual IDC as considered under add-cap during the year of discharge for tariff blocks 2024-29 are tabulated below.

Asset-1:

(Rs. in lakhs)

Sl. No.	Expenditure	Sub-Station	PLCC/ Communication System	I.T. Equipment	Total
1	As per Auditor Certificate (Upto DOCO) as on 01.08.2024 up to 05.10.2024	0	3.79	0	3.79
2	Less: Accrual IDC not discharged upto DOCO	0	0	0	0
3	Expenditure upto DOCO Excluding Accrual IDC	0	3.79	0	3.79
4	Add Cap during for FY 2024-25 as per auditor certificate	0	35.22	0	35.22
5	Add: Accrual IDC Discharged in 2024-25	0	0	0	0



Sl. No.	Expenditure	Sub-Station	PLCC/ Communication System	I.T. Equipment	Total
6	Expenditure 2024-25 (Including Accrual IDC discharge)	0	35.22	0	35.22
7	Estimated Completion Cost	0	39.01	0	39.01

27. It is submitted that the entire IEDC amount mentioned in the auditor certificate is on cash basis and is paid up to DOCO.

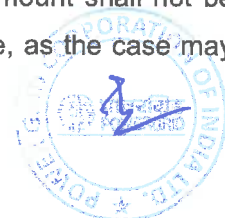
The transmission tariff has been calculated based on audited cost. The tariff Formats for block 2024-29 have been furnished out as per Annexure-I, Part-III of the Tariff Regulations for period 2024-29 and the calculations for working out the tariff along with supporting documents are attached hereto as ~~Encl-6~~ Encl-5.

The annual transmission tariff for the tariff period 2024-29 is summarized as below:

(Rs. In Lakhs)

Sl. No.	Project	2024-25	2025-26	2026-27	2027-28	2028-29
1	Asset-1	3.13	10.80	10.31	9.84	9.35

28. That, it is submitted that the petitioner being liable to pay income tax at MAT rate prescribed vide the taxation laws (Amendment) ordinance 2019 published in the Gazette dt. 20th September 2019. The ROE has been calculated @ 18.782% after grossing up the ROE with MAT rate of 17.472% (Base Rate 15% + Surcharge 12% + Cess 4%) based on the formula given at regulation 31(2) of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for 2024-29 period. That as per clause 31 of the above regulation, the grossed-up rate of ROE at the end of every financial year shall be trued up based on actual tax paid together with any additional tax demand including interest thereon duly adjusted for any refund of tax including interest received from the IT authorities pertaining to the tariff period 2024-29 on actual gross income of any financial year. However, penalty, if any, arising on account of delay in deposit or short deposit of tax amount shall not be claimed by the generating company or the transmission licensee, as the case may



be. Any under-recovery or over-recovery of grossed up rate on ROE after truing up shall be recovered or refunded to beneficiaries or the long-term customers, as the case may be on year-to-year basis. It is further submitted that adjustment due to any additional tax demand including interest duly adjusted for any refund of tax including interest received from IT authorities shall be recoverable /adjustable during the tariff period 2024-29 on year-to-year basis on receipt of Income Tax assessment order.

29. 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 25 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.
30. In the tariff calculation for 2024-29 period, Interest on Loan has been calculated on the basis of rate prevailing as on DOCO / 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.
31. The transmission charges at para-27 above is inclusive of O&M expenses derived for the subject asset based on the norms for O&M expenditure for Transmission System as specified under regulation 36 (3) (a & d) of the tariff regulations for block 2024-29 but excludes security expenses, Insurance and capital spares as provided in the Regulation.
32. That as per Regulation 36(3)(d) of CERC Tariff Regulations, 2024, the Security Expenses, Insurance and Capital Spares more than 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 recovery of security expenses from 01.04.2024 to 31.03.2029 and consequential Interest on Working Capital (IOWC) on the same under the Regulation 36 (3) (d) of Central Electricity Regulatory Commission (Terms and Condition of Tariff Regulations) 2024.

Insurance:

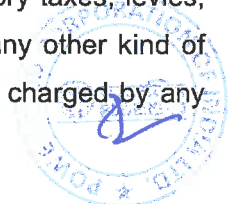
In this regard, it is submitted that a separate petition shall be filed before Hon'ble Commission for claiming the overall Insurance Expenses and consequential Interest on Working Capital (IOWC) on the same considering actual Insurance Expense incurred by the Petitioner for the F/Y 2023-24 after escalating 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, as per Tariff Regulations, 2024, Capital spares consumed and consequential Interest on Working Capital (IOWC) on the same shall be claimed by the Petitioner as per actual through a separate petition.

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

33. 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) 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 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.
34. The Transmission Charges and other related Charges indicated at Para 27 above, is exclusive of incentive, late payment surcharge, FERV, any statutory taxes, levies, duties, cess, filing fees, license fee, RLDC fees and charges 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.

Sharing of Transmission Charges

35. Tariff for Transmission of Electricity (Annual Fixed Cost) for 2024-29 as per para 27 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 Central Electricity Regulatory Commission (Sharing of Inter State Transmission Charges and Losses) Regulations, 2020 or as amended from to time.
36. In the circumstances mentioned above, it will be just and proper that the transmission tariff for the asset covered under this petition be allowed to be charged from the beneficiaries on the basis set out above. The Petitioner submits that the **Encl-1 to 7** may please be treated as integral part of this petition.

PRAYER

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

- 1) Admit the capital cost as claimed in the Petition and approve the Additional Capitalization incurred / projected to be incurred.
- 2) Allow interim tariff in accordance with Regulation 10(3) of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for purpose of inclusion in the PoC charges.
- 3) Approve the transmission tariff for 2024-29 block for the asset covered under this petition, as per Para 27 above.
- 4) Allow the petitioner 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 without making any application before the Commission as provided in Tariff Regulation 2024 as per para 28 above for respective block.

- 5) 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.
- 6) Allow the petitioner to bill and recover Licensee fee and RLDC fees and charges, separately from the respondents in terms of Regulation 94 (3) and (4) Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024.
- 7) 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 2024-29 period, if any, from the beneficiaries.
- 8) 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 32 above.
- 9) Allow the petitioner to claim the overall insurance expenses and consequential IOWC on that insurance expenses separately as mentioned at Para 32 above.
- 10) 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 32 above.
- 11) 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




12) 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: 30.01.2025

FILED BY
POWER GRID CORPORATION OF INDIA LTD.

REPRESENTED BY


Mohd Mohsin

Chief General Manager (COMMERCIAL)



BEFORE
THE CENTRAL ELECTRICITY REGULATORY COMMISSION,
NEW DELHI

PETITION NO.: .../TT/2025

IN THE MATTER OF: Petition for determination of transmission tariff for 2024-29 tariff block for asset under "Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos" in Western Region under Section 62 read with Section 79(1)(d) of the Electricity Act, 2003, Regulation 15(1)(a) & Regulation 23 of Central Electricity Regulatory Commission (Conduct of Business) Regulations, 2023 and Central Electricity Regulatory Commission (Terms and Condition 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

Vs

Madhya Pradesh Power Management Company Ltd.

Shakti Bhawan, Rampur
Jabalpur - 482 008

Represented by Its MD

and Others

---RESPONDENTS

AFFIDAVIT VERIFYING THE PETITION

I, Mohd Mohsin, S/O Late Sh Akhtar Hasan, working as Chief General Manager (Commercial) in the Power Grid Corporation of India Ltd., having its registered Office at B-9, Institutional Area, Katwaria Sarai, New Delhi-110 016, do hereby solemnly affirm and state as under: -

1. That the deponent is the Chief 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 authorised 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 36 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 36 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)

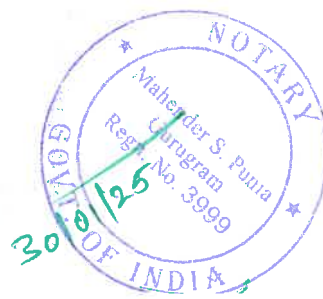
VERIFICATION

Solemnly affirmed at Gurugram on this 30th day of Jan 2025 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
MAHENDER S. PUNIA
ADVOCATE & NOTARY
Distt. Gurugram (Haryana) India



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)



I/28785/2023



सत्यमेव जयते
भारत सरकार

Government of India
विद्युत मंत्रालय

Ministry of Power
केंद्रीय विद्युत प्राधिकरण

Central Electricity Authority
विद्युत प्रणाली योजना एवं मूल्यांकन प्रभाग- II
Power System Planning & Appraisal Division-II

सेवा में/To

As per list of Addresses


विषय : ट्रांसमिशन पर राष्ट्रीय समिति (एनसीटी) की चौदहवीं बैठक का कार्यवृत्त - के सम्बन्ध में ।

Subject: Minutes of the 14th Meeting of National Committee on Transmission (NCT) - regarding.

महोदया (Madam) / महोदय (Sir),

The 14th meeting of the "National Committee on Transmission" (NCT) was held on 09th June, 2023. Minutes of the meeting are enclosed herewith.

भवदीय/Yours faithfully,

 07.07.2023

(ईशान शरण / Ishan Sharan)

मुख्य अभियंता एवं सदस्य सचिव, एनसीटी
/Chief Engineer & Member Secretary (NCT)

प्रतिलिपि / Copy to:

Joint Secretary (Trans), Ministry of Power, New Delhi



I/28785/2023

List of Addresses:

1.	Chairperson, Central Electricity Authority Sewa Bhawan, R.K. Puram, New Delhi – 110 066.	2.	Member (Power System), Central Electricity Authority Sewa Bhawan, R.K. Puram, New Delhi – 110 066.
3.	Member (Economic & Commercial), Central Electricity Authority Sewa Bhawan, R.K. Puram, New Delhi – 110 066.	4.	Director (Trans), Ministry of Power Shram Shakti Bhawan, New Delhi-110001.
5.	Sh. Ajay Yadav, Joint Secretary Room no 403, Atal Akshay Urja Bhawan, Opposite CGO Complex gate no 2, Lodhi Road, New Delhi – 110003	6.	Chief Operating Officer, CTUIL, Saudamini, Plot No. 2, Sector-29, Gurgaon – 122 001.
7.	Sh. Rajnath Ram, Adviser (Energy), NITI Aayog, Parliament Street, New Delhi – 110 001.	8.	CMD, Grid Controller of India, B-9, Qutub, Institutional Area, Katwaria Sarai, New Delhi – 110010
9.	Dr. Radheshyam Saha, Ex. Chief Engineer, Central Electricity Authority	10	Ms. Seema Gupta, Ex. Director (Operations), POWERGRID

Special Invitee

Chief Engineer (PCD), CEA



I/28785/2023

3.6 Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos.

3.6.1 To connect 6 number of RE generators (Inox, Vadava Desalpar, Narayanpar, Adani Ratadia, Renew Power, Alfanar Energy) directly to existing FOTE at Control Room of Bhuj PS maintaining MSP (1+1) and for making independent connectivity for upcoming generators at this station, Additional STM-16 capacity SDH equipment is required

3.6.2 The “Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater connectivity of RE Gencos”, has been deliberated in 46th TCC/ WRPC meeting. WRPC concurred the proposal of “Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater connectivity of RE Gencos” at an estimated cost of Rs 60 Lacs.

3.6.3 After detailed deliberations, the scheme was approved to be implemented under RTM route by POWERGRID.

3.6.4 Summary of the scheme is given below:

Sl. No.	Name of the scheme and implementation timeframe	Estimated Cost (₹ Crores)	Remarks
1.	Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos Implementation timeframe: 12 months from date of allocation	0.6	Approved to be implemented under RTM route by POWERGRID

3.6.5 Detailed Scope of the Scheme is given below:

Sl. No.	Scope of the Scheme	Estimated Cost
1.	Supply and installation of 01 number 10 MSP (1+1) FOTE or 02 No. 5 MSP (1+1) FOTE (STM-16 capacity) at Bhuj PS.	Rs. 60 Lakhs



I/28785/2023

Summary of the deliberations of the 14th meeting of NCT held on 09th June, 2023

I. ISTS communication schemes approved by NCT for implementation under RTM Route:

Sl. No.	Name of Transmission Scheme	Implementation Mode	Implementation timeframe	Implementing Agency	Estimated Cost (Rs Cr)
1.	Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos	RTM	12 months	POWER GRID	0.6
2.	Requirement of additional FOTE of STM-16 capacity at Bhuj-II substation to cater to connectivity of RE Gencos	RTM	12 months	M/s PBTL	0.3
3.	Upgradation of STM-4 communication link of Dehgam, Ranchhodpura, Santhalpur Rep, Bhachau and CGPL Mundra to STM-16 capacity	RTM	12 months	POWER GRID	1.5

II. ISTS schemes costing less than Rs. 100 Crs. approved by NCT:

Sl. No.	Name of Transmission Scheme	Implementation Mode	Implementation timeframe	Allocated to	Estimated Cost (Rs Crs)
1.	Transmission System for Evacuation of Power from potential renewable energy zone in Khavda area of Gujarat under Phase-V (8 GW): Part A1 Brief Scope: Conversion of 330 MVAR Fixed LR at Wardha (on each ckt of Wardha – Raipur 765 kV D/c line	RTM	Matching with implementation of Khavda Phase-V Part A scheme viz. Bipole-1 (2x1500 MW) ±	POWER GRID	21





भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत प्रणाली योजना एवं मूल्यांकन प्रभाग-II
Power System Planning & Appraisal Division-II

सेवा में / To

Chief Operating Officer, CTUIL
Saudamini, Plot No. 2,
Sector-29, Gurgaon-122001

विषय/Subject: Implementation of ISTS Transmission Schemes approved by NCT in its 14th meeting held on 09.06.2023- regarding

महोदय/Sir,

The undersigned is directed to inform that NCT has approved implementation of the following ISTS Transmission Schemes in its 14th meeting held on 09.06.2023, in line with MoP office order dated 28.10.2021, to be implemented through Regulated Tariff Mechanism (RTM) route by agency as indicated below:

I. ISTS schemes costing less than Rs. 100 Crs. approved by NCT::

Sl. No.	Name of Transmission Scheme	Implementation Mode	Implementation timeframe	Allocated to	Estimated Cost (Rs Crs)
1.	Transmission System for Evacuation of Power from potential renewable energy zone in Khavda area of Gujarat under Phase-V (8 GW): Part A I Brief Scope: Conversion of 330 MVAR Fixed LR at Wardha (on each ckt of Wardha – Raipur 765 kV D/c line being LILoed at Nagpur)	RTM	Matching with implementation of Khavda Phase-V Part A scheme viz. Bipole-1 (2x1500 MW) ± 800 kV	POWER GRID	21



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Sl. No.	Name of Transmission Scheme	Implementation Mode	Implementation timeframe	Allocated to	Estimated Cost (Rs Crs)
	into Bus Reactors at Wardha S/s		Nagpur (HVDC) [LCC] which is 48 months from SPV transfer.		
2.	Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-2 :5.5 GW) (Jaisalmer/Barmer Complex): Part H2 <u>Brief Scope:</u> Provision of NGR bypass arrangement and inter tripping scheme on 240 MVAR SW LR at Bhopal end of Kurawar – Bhopal 765 kV S/c line (~60 km.):	RTM	In matching timeframe of H1 Scheme	BDTCL i.e. the TSP owing the Indore – Bhopal 765 kV S/c line	0.45

II. ISTS Transmission schemes, costing between Rs 100 Crore to Rs 500 Crore, approved by NCT:

Sl. No.	Name of Transmission Scheme	Implementation Mode	Implementation timeframe	Allocated to	Estimated Cost (Rs. Crs)
1.	Augmentation of transformation capacity by 1x1500 MVA (3rd), 765/400 kV ICT at Maheshwaram (PG) substation in Telangana	RTM	21 months	POWERGRID	123.12
2.	Transmission System for Evacuation of Power from potential renewable energy zone in Khavda area of Gujarat under Phase-IV	RTM	24 months	Khavda – Bhuj Transmission Ltd. (Subsidiary)	216

I/28786/2023

Sl. No.	Name of Transmission Scheme	Implementation Mode	Implementation timeframe	Allocated to	Estimated Cost (Rs. Crs)
	(7GW): Part E1			of Adani Transmission limited)	
3.	Transmission System for Evacuation of Power from potential renewable energy zone in Khavda area of Gujarat under Phase-IV (7GW): Part E3	RTM	24 months	KPS3 Transmission Limited (Subsidiary of POWERGRID)	216
4.	Transmission System for Evacuation of Power from potential renewable energy zone in Khavda area of Gujarat under Phase-IV (7GW): Part E4	RTM	24 months	POWERGRID	235

III. COMMUNICATION SCHEMES APPROVED BY NCT:

Sl. No.	Name of Transmission Scheme	Implementation Mode	Implementation timeframe	Implementing Agency	Estimated Cost (Rs Crs)
1.	Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos	RTM	12 months	POWER GRID	0.6
2.	Requirement of additional FOTE of STM-16 capacity at Bhuj-II substation to cater to connectivity of RE Gencos	RTM	12 months	M/s PBTL	0.3
3.	Upgradation of STM-4 communication link of Dehgam, Ranchhodpura, Santhalpur Rep, Bhachau and CGPL Mundra to STM-16 capacity	RTM	12 months	POWER GRID	1.5



I/28786/2023


File No.CEA-PS-12-13/3/2019-PSPA-II Division

919

The above schemes are awarded to CTUIL for implementation under RTM mode. CTUIL is requested to take necessary action for entering into a concession agreement with the respective agency for implementation of the above schemes.

Detailed scope of the schemes are as per minutes of the meeting. Copy of the minutes are enclosed.

Encl.: As above.

 07.07.2023

(ईशान शरण/Ishan Sharan)
मुख्य अभियंता /Chief Engineer &
Member Secretary (NCT)

Copy to:

Joint Secretary (Trans), Ministry of Power, Shram Shakti Bhawan, New Delhi-110001



सेंट्रल ट्रांसमिशन यूटिलिटी ऑफ इंडिया लिमिटेड
(पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड के स्वामित्व में)
(भारत सरकार का उद्यम)

CENTRAL TRANSMISSION UTILITY OF INDIA LTD.

(A wholly owned subsidiary of Power Grid Corporation of India Limited)

(A Government of India Enterprise)

Ref. No.: CTUIL/OM/09/052023

10th July 2023

1. The Chairman & Managing Director Power Grid Corporation of India Ltd., Saudamini, Plot No. 2, Sector-29, Gurgaon- 122 001	2. CGM (TBCB) POWERGRID Bhuj Transmission Ltd. (a subsidiary of Power Grid Corporation of India Ltd.) Power Grid Corporation of India Ltd., Saudamini, Plot No. 2, Sector-29, Gurgaon- 122 001.
3. CGM (TBCB) KPS3 Transmission Ltd. (a subsidiary of Power Grid Corporation of India Ltd.) Power Grid Corporation of India Ltd., Saudamini, Plot No. 2, Sector-29, Gurgaon- 122 001.	4. Shri Bhavesh Kundalia Authorized Signatory Khavda-Bhuj Transmission Ltd., (a subsidiary of Adani Transmission Ltd.) Adani Corporate House, Shantigram, S.G. Highway, Ahmedabad 382 421
1. Shri Lokendra Singh Ranawat Head (Regulatory) Bhopal Dhule Transmission Co. Ltd. (a subsidiary of India Grid Trust) Unit No. 101, First Floor, Windsor, Village Kulekalyan, Off CST Road, Vidyanagari Marg, Kalina, Santacruz (East), Mumbai – 400 098	

Sub: Implementation of ISTS Transmission/Communication Schemes approved by NCT in its 14th meeting held on 09-06-2023 under Regulated Tariff Mechanism (RTM).

NCT vide letter dated 07-07-2023 has awarded the following ISTS Transmission/Communication Scheme for its implementation under RTM mode by implementing agencies as indicated in the table below:

Sl. No.	Transmission/Communication Schemes	Implementing Agency
I. ISTS costing less than Rs. 100Cr.:		
1.	Transmission System for Evacuation of Power from potential renewable energy zone in Khavda area of Gujarat under Phase-V (BGW): Part A1.	POWERGRID
2.	Transmission System for Evacuation of Power from Rajasthan REZ Ph-IV (Part-2: 5.5GW) (Jaisalmer/Barmer Complex): Part H2.	BDTCL i.e., the TSP owing the Indore-Bhopal 765kV SPC line.

सौदामिनी एचएम बिल्डिंग प्लॉट नं. 2, सेक्टर-29, गुरुग्राम-122001 (हरियाणा) दूरभाष: 0124-2822547, सीआईएन: U401001R2020GGI057899

Saudamini: 1st Floor, Plot No. 2, Sector-29, Gurugram-122001, (Haryana) Tel: 0124-2822547, CIN: U401001R2020GGI057899

Website: <https://www.ctuil.in>



Sl. No.	Transmission/Communication Schemes	Implementing Agency
II. ISTS costing between Rs. 100Cr. To Rs. 500 Crs.:		
1.	Augmentation of transformation capacity by 1x1500MVA (3 rd), 765/400kV ICT at Maheshwaram (PG) substation in Telangana.	POWERGRID
2.	Transmission System for Evacuation of Power from potential renewable energy zone in Khavda area of Gujarat under Phase-IV (7GW): Part E1.	Khavda- Bhuj Transmission Ltd. (Subsidiary of Adani Transmission Ltd.)
3.	Transmission System for Evacuation of Power from potential renewable energy zone in Khavda area of Gujarat under Phase-IV (7GW): Part E3.	KPS3 Transmission Ltd. (Subsidiary of POWERGRID)
4.	Transmission System for Evacuation of Power from potential renewable energy zone in Khavda area of Gujarat under Phase-IV (7GW): Part E4.	POWERGRID
III. Communication schemes approved by NCT:		
1.	Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos.	POWERGRID
2.	Requirement of additional FOTE of STM-16 capacity at Bhuj-II substation to cater to connectivity of RE Gencos.	M/s PBTL
3.	Upgradation of STM-4 communication link of Dehgam, Ranchhodpura, Santhalpur Rep, Bhachau and CGPL Mundra to STM-16 capacity.	POWERGRID

Copy of NCT letter dated 07-07-2023 in this regard is enclosed at **Annexure-I**. The detailed scope of work along with implementation time frame for the above Transmission/Communication Schemes shall be as per the enclosed letter of NCT.

The implementing agency shall enter into a concession agreement with CTUIL for implementation of aforementioned Transmission/Communication Schemes. However, pending finalization of Concession Agreement, it is requested to initiate necessary actions for implementation of the aforementioned Transmission/Communication Schemes.

This is for your kind information and necessary action, please

Yours faithfully,


(Jasbir Singh) 10/7/23
Chief General Manager

Encl.: as stated.





पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)

C/CP/PA2324-07-0V-IA017

October 09, 2023

MEMORANDUM

SUB: Investment Approval for "Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos"

Investment approval for "Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos" has been accorded by CMD on Oct' 07, 2023 as per the details given below:

1. SCOPE OF PROJECT

Broad Scope of works:

- Supply and Installation of 1 no. 10 MSP (1+1) FOTE or 2 no 5 MSP (1+1) FOTE (STM-16 capacity) at Bhuj PS.
- SDH Equipment - 2 nos

2. PROJECT COST & FUNDING

The estimated cost of the project based on June 2023 price level is ₹0.40 crore including IDC of ₹0.01 crore. The abstract cost estimate is attached as **Annexure - I**.

The project is proposed to be implemented through Debt (70%) and Equity (30%) with loan component from domestic borrowing/ bonds/ External Commercial Borrowing (ECB) etc. and equity component through internal resources.

3. COMMISSIONING SCHEDULE

The project is scheduled to be commissioned within 12 months from the date of issue of CTUIL OM i.e by 09th July, 2024.

(A. Jagannath Rao)
CGM (CP)

केन्द्रीय कार्यालय "सौदामिनी", प्लॉट नंबर 2, सेक्टर -29, गुरुग्राम -122001, (हरियाणा) :दूरभाष (0124-2571700-719

Corporate Office: "Saudamini", Plot No. 2, Sector-29, Gurugram-122001, (Haryana) Tel.: 0124-2571700-719

पंजीकृत कार्यालय: बी -9, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली -110 016. दूरभाष :011-26560112, 26560121, 26564812, 26564892, C.IN: L40101DL1989GC1038121

Registered Office: B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi-110 016. Tel: 011-26560112, 26560121, 26564812, 26564892, C.IN: L40101DL1989GC1038121

Website: www.powergridindia.com



वितरण /Distribution:

1. Chairman & Managing Director, MSETCL, Prakashganga, Plot No.C-19, E-Block, Bandra-Kurla Complex, Bandra (E), Mumbai - 400051.
2. Managing Director, MPPTCL, Block no -2, Shakti Bhawan, Rampur, Jabalpur – 482008 (M.P)
3. Managing Director, GETCO, Sardar Patel Vidyut Bhawan, Race Course, Vadodara-390 007
4. Chief Electrical Engineer, Vidyut Bhavan, 3rd Floor, Panaji, Goa - 403001
5. Managing Director, CSPTCL, Dangania, Raipur (CG) – 492 013
6. Secretary (Power), UT of Dadra & Nagar Haveli, Secretariat, Amli, Silvassa – 396230
7. Secretary (Power), Administration of Daman & Diu (U.T.), Fort Area, Moti Daman-396 220
8. CMD, Grid Controller of India Limited, B-9 (1st Floor), Qutab Institutional Area, Katwaria Sarai, New Delhi -11001

प्रति विनम्र सूचनार्थ /Copy for kind information, please:

1. PS to Secretary (Power), MoP, Shram Shakti Bhawan, New Delhi - 110 001
2. Chairperson, CEA, Sewa Bhawan, R.K. Puram, New Delhi- 110 066
3. Member Secretary, WRPC, F-3, MIDC Area, Andheri East, Mumbai– 400 093
4. Joint Secretary, Ministry of Statistics & Programme Implementation, Sardar Patel Bhawan, New Delhi-110001
5. Joint Secretary (Transmission), MoP, Shram Shakti Bhawan, New Delhi- 110 001
6. Joint Secretary (Plan Finance Div.-II), Ministry of Finance, North Block, New Delhi- 110 001
7. Director, Ministry of Finance (Plan finance Div.), North Block, New Delhi- 110 001
8. Under Secretary, Finance & Budget Section, MoP, Shram Shakti Bhawan, New Delhi - 110 001

(A. Jagannath Rao)
CGM (CP)



Important Note:

As per approval, following critical activities may be monitored:

- (i) Timely Award of major package(s).
- (ii) Timely supply of major equipment.
- (iii) Risk Management Matrix indicating various milestones to be monitored for the subject project is attached at **Annexure-II**.

Distribution:

ED : CMG / Engg-SS,TL,CIVIL,CE, TD, HVDC, FQA/ QA&I / CS / GA&C, ISD, ERP & IT Cell
/ Commercial & RC/ IB, BDD & JV/ ESMD & CSR/ Finance/ AM, NTAMC & Safety Cell/
HRD, Corp Comm & Law / WR-II

CGM: MM, HR Admin/IR

Company Secretary

For kind information of:

Director (Personnel)/ Director (Operations)/Director (Projects)/ Director (Finance)/ CVO

(A. Jagannath Rao)
CGM (CP)
29/10/23



ABSTRACT COST ESTIMATE		
Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos		
(June 2023 Price Level)		
Sl. No.	DESCRIPTION	AMOUNT (Rs. in crore)
A	Supply	
	i) Communication System	0.27
B	Installation, Testing and Commissioning	0.01
C	Inland Freight and Insurance (@4% of A)	0.01
D	Taxes and Duties	
	i) GST (as applicable on supply cost and services)	0.05
E	Total (A to D)	0.35
F	Incidental Expenditure during Construction (@ 10.75% of E)	0.04
G	Contingency (@ 3% of E)	0.01
H	Total (A to F)	0.39
I	Interest During Construction (IDC)	0.01
	Grand Total	0.40

(10)



Risk Management Matrix for "Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos [PROJECT ID:LD-2023004]"

Sl. No.	Risk Parameters	Broad Mitigation steps		Responsibility Centre**
		Mitigation-1	Mitigation-2	
1	Delay in obtaining Forest clearance due to cumbersome process		Not Applicable	
2	Delay in commencement of project	Award of major contracts to be placed within 1 month of Investment Approval & Contract Agreement to be signed within 1 month thereafter	Kick-off meeting within 1 month of Letter of Award	CS/CMG
3	Time overrun due to delay in resolution of RoW issues in construction of Transmission line		Not Applicable	
4	Delay in land acquisition of substations		Not Applicable	
5	Idling of transmission system due to non-readiness of generator / downstream / upstream transmission system		Not Applicable	
6	Restriction of additional cost by CERC in absence of RCE	RCE-1 to be prepared within 1 month of award of all major packages (Tower & Substation)	RCE-11 to be prepared when actual Capex is > 50% & thereafter regular review of project cost and completion schedule to ascertain requirement. if any of further RCE requirement	Site Project Head / Cost. Engg.
7	Restriction of IDC/IEDC by CERC due to lack of / insufficiency in documentary evidence of time overrun	Regular records to be maintained regarding constraints in project progress and documented for support	Hindrance Register to be maintained in SAP and reviewed regularly by project Head	Site Project Head / Commercial
8	Failure of equipment due to non-resolution of quality issue resulting in delay in projects	All major equipment quality checks to be maintained at Level-4	Quality to be ensured at different stages of manufacture as per standard practice.	QA & I Group
9	Non-compliance to statutory requirement of legal / safety / social / environmental etc.	preparation of check-list at RHQ level and monitoring of same		Site Project Head
10	Timely Implementation of the Project			
a.	Commencement			
1	Finalization of L2	Within 1 month of NOA		CMG
2	Site Mobilisation	As per L2		Site Project Head
3	Survey		Not Applicable	
	Statutory Approvals/ NOC			
4	(i.e. PTCC, Civil Aviation, Defence Establishment etc.)		Not Applicable	
b.	Physical Progress			
1	Supply of Communication equipment	As per L2	Complete 2 months before completion of erection	CC: Head (GA & C) Site Project Head
2	Stringing (of OPGW)		NA	
3	Foundation/Civil works etc.		NA	
4	Finalisation of repeater for OPGW link		NA	
5	Erection of Equipment	AS per L2	Complete 1 month before completion schedule	Site Project Head
c.	Commissioning	As per L2		Site Project Head

** Overall in-charge for Responsibility Centre is Head of the respective Region / Department/ Project Group

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6/10





ग्रिड-इंडिया
GRID-INDIA

ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
GRID CONTROLLER OF INDIA LIMITED
(A Government of India Enterprise)

[formerly Power System Operation Corporation Limited (POSOCO)]

पश्चिम क्षेत्रीय भार प्रेषण केन्द्र / Western Regional Load Despatch Centre

कार्यालय : एफ-3, एम. आई. डी. सी. क्षेत्र, मरोल, अंधेरी (पूर्व), मुंबई-400093

Office : F-3, M I.D.C. Area, Marol, Andheri (East), Mumbai- 400093

CIN : U40105DL2009GOI188682, Website : www.wrlc.in, E-mail : wrlc@grid-india.in, Tel: 022 28202690, Fax: 022 28235434, 28202630

सर्टिफिकेट संख्या : WRLDC/LO/SCADA/TRIAL/673

दिनांक: 26.11.2024

संचार उपकरण की सफल कमीशनिंग के लिए परीक्षण संचालन प्रमाण पत्र

Trial Operation Certificate for successful commissioning of communication equipment

संदर्भ/Reference:

- Communication via email dated 05.11.2024 from Transmission Licensee to RLDC in Format-I and IA.
- Communication from POWERGRID to RLDC through mail dated 05.11.2024 and 22.11.2024 in Format III, IIIA, IIIB and IIIC regarding confirmation of telemetry and voice.

उपरोक्त संदर्भ के आधार पर, यह प्रमाणित किया जाता है कि संबंधित स्थानों से पंक्षेभांप्रेके या बैकअप पंक्षेभांप्रेके पर डेटा और वॉयस रिपोर्टिंग के साथ निम्नलिखित संचार उपकरण सफलतापूर्वक चालू कर दिए गए हैं।

Based on the above reference, it is hereby certified that the following communication equipment have been successfully commissioned with data reporting at WRLDC or Backup WRLDC from locations mentioned in the table below.

I. उपकरण की सूची / List of Equipment :

क्र०	संचार लिंक / तंत्र का नाम	पूरा करने की तिथि
Sr. No.	Name of Communication Equipment	Completion Date
1	2 nos of STM-16 MSP-5, Tejas Make at Bhuj I (Powergrid) (under Scheme towards "Requirement of additional FOTE of STM-16 capacity at Bhuj-I S/S to cater to connectivity of RE GENCO's Approved in 14th meeting of NCT held on 09th June, 2023)	05.10.2024



नोट/NOTE:

- भुज में इस नए कमीशन किए गए दूसरे और तीसरे एफओटीई का उपयोग जामकंभलिया और भुज II की टेलीमेट्री की रिपोर्टिंग के लिए किया जाता है। पॉवरिका और नखत्राणा की आवाज को भी क्रमशः दूसरे और तीसरे एफओटीई में कॉन्फिगर किया गया है।
This newly commissioned 2nd and 3rd FOTE at Bhuj is used for reporting of telemetry of Jamkambhaliya and Bhuj II. Voice of Powerica and Nakhatrana is also configured in 2nd and 3rd FOTE respectively.

सर्टिफिकेट संख्या : WRLDC/LO/SCADA/TRIAL/673

दिनांक: 26.11.2024

संचार उपकरण की सफल कमीशनिंग के लिए परीक्षण संचालन प्रमाण पत्र

Trial Operation Certificate for successful commissioning of communication equipment

यह प्रमाणपत्र सीईआरसी (टैरिफ के नियम और शर्त), 2024 के विनियम 5 के और आईजीसी खंड 25 के अनुसार जारी किया जा रहा है, यह प्रमाणित करने के लिए कि उपर्युक्त संचार प्त्व को संबंधित नियंत्रण केंद्र को आवाज और डेटा के हस्तांतरण सहित साइट स्वीकृति परीक्षण के पूरा होने के बाद (लाइसेंसधारी द्वारा घोषित) सेवा में डाल दिया गया है।

This certificate is being issued in accordance with Regulation 5 of CERC(Terms and Conditions of Tariff) Regulations, 2024 and IEGC clause 25 to certify that the above-mentioned communication element has been put into service after completion of site acceptance test (as declared by licensee) including transfer of data to respective control centre.

किसी अन्य उद्देश्य के लिए इस प्रमाण पत्र का उपयोग निषिद्ध है।
Usage of this certificate for any other purpose is prohibited.



वेलूरी बालाजी

(कार्यपालक निदेशक)

प्रति:

1. मुख्य महाप्रबंधक (परिसंपत्ति प्रबंधन), पश्चिम क्षेत्र-II,
पीजीसीआईएल

प्रतिलिपि:

1. सदस्य सचिव, पश्चिम क्षेत्रीय विद्युत
समिति
2. कार्यकारी निदेशक, राष्ट्रीय भार प्रेषण केंद्र





पावर ग्रिड कॉर्पोरेशन ऑफ़ इंडिया लिमिटेड

(भारत सरकार का उपक्रम)

POWER GRID CORPORATION OF INDIA LIMITED

(A Government of India Enterprise)

CIN: L40101DL1989GOI038121

पश्चिम क्षेत्र पारेषण प्रणाली-II, क्षेत्रीय मुख्यालय / Western Region Transmission System - II, Regional Headquarters

Ref: WR-II/VDR/Bhuj FORE/28112024

Date: 28.11.2024

To,

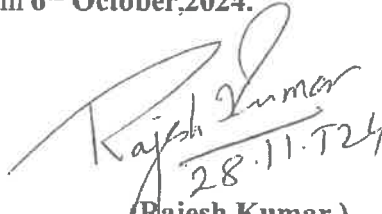
As per Distribution List.

NOTIFICATION OF DOCO

Subsequent to certification by WRLDC for completion of successful commissioning/trial operation of Communication Equipment vide letter ref no. WRLDC/LO/SCADA/TRIAL/673 dated 26.11.2024, it is hereby intimated that the following assets under the scheme "Requirement of Additional FOTE of STM-16 Capacity at Bhuj PS to cater to connectivity of RE GENCOs" has been put under commercial operation w.e.f. 00:00 hrs of 6th October, 2024 in terms of clause no.5(1) of CERC (Terms and Conditions of Tariff) Regulations, 2024 and clause no. 27(1)(d) of IEGC Regulations, 2023.

Name of the Communication Equipment	DOCO
Two nos. additional FOTE of STM-16 capacity (5-MSP, Tejas make) at Bhuj PS.	00:00 hrs of 06.10.2024

Transmission charges of the above-mentioned asset is payable with effect from 6th October, 2024.


28.11.24
(Rajesh Kumar)
Executive Director(WR-II)

List of Distribution:

1. Member Secretary, WRPC, F-3, M.I.D.C Area, Andheri (East), Mumbai - 400093.
2. Managing Director, GUVNL, Sardar Patel Vidyut Bhavan, Race Course, Vadodara, Gujarat-390007.
3. Managing Director, MPPTCL, Shakti Bhavan, MPSEB colony, Rampur, Jabalpur, Madhya Pradesh-482008
4. Managing Director, MPPMCL, E-4, Arera colony, Bhopal, Madhya Pradesh - 462016.
5. Managing Director, MSEDCL, Prakashgadh, Bandra (East), Mumbai - 400051.
6. Managing Director, CSPTCL, Sewa Bhavan, Dangania, Raipur, Chhattisgarh-492013.
7. Executive Director, WRLDC, POSOCO, F-3, M.I.D.C Area, Andheri (East), Mumbai - 400093.
8. CEO (CTUIL), Gurgaon.
9. Chief Engineer, GOA Electricity Department, Panjim, Goa - 403001.
10. Executive Engineer, Electricity Department, Daman and Diu, Moti Daman, Daman.
11. Executive Engineer, Electricity Department, Dadra & Nagar Haveli, Silvassa.
12. Vice President, Dadra & Nagar Haveli and Daman and Diu Power Distribution Corporation Ltd (DNHDDPDCL), 1st and 2nd Floor, Vidyut Bhavan, Next to Secretariat building, 66kV road, Dadra and Nagar Haveli and Diu and Daman, Silvassa - 396230

क्षेत्रीय मुख्यालय : प्लॉट नं.-54, रिया-रेवती रिजॉर्ट के पास, समा-सावली रोड, वडोदरा - 390 008(गुजरात)

Regional Head Office : Plot no.-54, Adjacent to Riya-Revati Resort Sama-Savli Road, Vadodara - 390 008(Gujarat)

दूरभाष/Phone: (O) 0265-2487541, फैक्स/Fax: 0265-2487544, e-mail: pmswr2@powergrid.co.in

पंजीकृत कार्यालय: बी-5, कुतब इंस्टीटयुशनल एरिया, कटवारिया सराय, नई दिल्ली - 110 016

Registered Office: B-5, Qutab Institutional Area, Katwaria Sarai, New Delhi - 110 016



पावर ग्रिड कॉर्पोरेशन ऑफ़ इंडिया लिमिटेड
(भारत सरकार का उपक्रम)
POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)

CIN: L40101DL1989GOI038121

पश्चिम क्षेत्र पारेषण प्रणाली-II, क्षेत्रीय मुख्यालय / Western Region Transmission System - II, Regional Headquarters

Copy to :

1. ED (PMD), POWERGRID, CC, Gurgaon
2. ED (F&A), POWERGRID, CC, Gurgaon
3. ED (Commercial & RC), POWERGRID, CC, Gurgaon
4. CGM-I/C Engg, POWERGRID, CC, Gurgaon
5. CGM-I/C AM, POWERGRID, CC, Gurgaon
6. CGM (AM) WR-II, POWERGRID, Vadodara.
7. CGM (Projects), WR-II, POWERGRID, Vadodara.
8. CGM (Finance), WR-II, POWERGRID, Vadodara.
9. Sr.GM(PESM), WR-II, POWERGRID, Vadodara
10. Sr.DGM(SC&C/IT), WR-II, POWERGRID, Vadodara.
11. STA to ED (WR-II), POWERGRID, Vadodara.



क्षेत्रीय मुख्यालय : प्लॉट नं.-54, रिया-रेवती रिज़ॉर्ट के पास, समा-सावली रोड, वडोदरा - 390 008(गुजरात) -
Regional Head Office : Plot no.-54, Adjacent to Riya-Revati Resort Sama-Savli Road, Vadodara – 390 008(Gujarat)
दूरभाष:/Phone: (O) 0265-2487541, फ़ैक्स/Fax: 0265-2487544, e-mail: pmswr2@powergrid.co.in
पंजीकृत कार्यालय: बी-5, कुतब इंस्टीटयुशनल एरिया, कटवारिया सराय, नई दिल्ली - 110 016
Registered Office: B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi - 110 016

G.D. Apte & Co.
Chartered Accountants

CERTIFICATE

This is to certify that we have verified the relevant records and other documents of Power Grid Corporation Of India Limited having its Registered Office at B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi-110016 and on the basis of our verification, we certify that Capital Cost for "Two Numbers Additional FOTE of STM -16 Capacity (5 MSP Tejas Make) at Bhuj PS " under "Requirement of Additional FOTE of STM-16 Capacity at Bhuj PS to cater to connectivity of RE GENCOs" of WR II, Power Grid Corporation of India Limited, which is under commercial operation w.e.f. 06.10.2024 is detailed as under:

(Rs. in Lakhs)

Sr No	Particulars	Capital Cost	IEDC	IDC	Total
1	Expenditure from 01.04.2024 to 05.10.2024	0.00	3.79	0.00	3.79
2	Estimated Expenditure from 06.10.2024 to 31.03.2025	35.22	0.00	0.00	35.22
	Total	35.22	3.79	0.00	39.01

We certify that the expenditure from 01.04.2024 to 05.10.2024 as referred above has been verified by us from the books of Power Grid Corporation of India Ltd. (WR-II).

The estimated expenditure is based on Management estimate.

For G.D. Apte & Co.
Chartered Accountants
Firm Registration Number: 100 515W
UDIN: 24121007BKCKZX6133

Anagha M. Nanivadekar

Anagha M. Nanivadekar
Partner
Membership Number: 121007
Pune, December 27, 2024



CERTIFICATE

This is to certify that we have verified the relevant records and other documents of Power Grid Corporation Of India Limited having its Registered Office at B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi-110016 and on the basis of our verification, we certify that Capital Cost for "Two Numbers Additional FOTE of STM -16 Capacity (5 MSP Tejas Make) at Bhuj PS " under "Requirement of Additional FOTE of STM-16 Capacity at Bhuj PS to cater to connectivity of RE GENCOs" of WR II, Power Grid Corporation of India Limited, which is under commercial operation w.e.f. 06.10.2024 is detailed as under:

(Rs. in Lakhs)

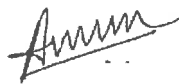
S/N	Particulars	Land	Building and Civil Works	Tr. Line	Sub-Station	PLCC/ Communication System	I. T Equipment including software	Total
1	Expenditure from 01.04.2024 to 05.10.2024	0.00	0.00	0.00	0.00	3.79	0.00	3.79
2	Estimated Expenditure from 06.10.2024 to 31.03.2025	0.00	0.00	0.00	0.00	35.22	0.00	35.22
	Total	0.00	0.00	0.00	0.00	39.01	0.00	39.01

S/N	Particulars	TL	Sub-station / IT Equipment
1	Total Cost (Plant and Machinery cost excluding IDC, IEDC, Land cost and cost of Civil works for the purpose of Initial Spares)	0.00	35.22
2	Initial Spares included above	0.00	0.00

We certify that the expenditure from 01.04.2024 to 05.10.2024 as referred above has been verified by us from the books of Power Grid Corporation of India Ltd. (WR-II).

The estimated expenditure is based on Management estimate.

For G.D. Apte & Co.
Chartered Accountants
Firm Registration Number: 100 515W
UDIN: 24121007BKCKZX6133



Anagha M. Nanivadekar
Partner
Membership Number: 121007
Pune, December 27, 2024



Summary of Tariff

Form No. - 1

Name of the Transmission Licensee:	Power Grid Corporation of India Limited		
Project	Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos		
Element Description	Two Numbers Additional FOTE of STM -16 Capacity (5 MSP Tejas Make) at Bhuj PS		
Region	Western Region	DOC Date	Oct 6, 2024

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Year Days	365.00	365.00	365.00	366.00	365.00
Tariff Days	177.00	365.00	365.00	366.00	365.00
Depreciation-Form No. 10A	1.56	5.85	5.85	5.85	5.85
Interest on Loan-Form No. 9E	0.56	1.86	1.38	0.91	0.43
Return on Equity-Form No. 8	0.57	2.13	2.13	2.13	2.13
Int. on Working capital-Form No.11	0.06	0.18	0.17	0.17	0.16
Op. and maintenance-Form No.2	0.38	0.78	0.78	0.78	0.78
Total AFC	3.13	10.80	10.31	9.84	9.35

(Petitioner)



Summary of Asset Level Cost

Form No. - 1A

Name of the Transmission Licensee	Power Grid Corporation of India Limited	
Project	Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos	
Element Description	Two Numbers Additional FOTE of STM -16 Capacity (5 MSP Tejas Make) at Bhuj PS	
Region	Western Region	DOC Date Oct 6, 2024

A) Summary of Capital Cost, Means of Finance of the Asset

(Amount in Rs. Lakh)

Particular	i) Apportioned Approved Cost		ii) Summary of Actual / Projected Capital Expenditure incurred						
	As Per IA	As per RCE	As on COD / 01.04.2024	2024-25	2025-26	2026-27	2027-28	2028-29	As on 31.03.2029
	Land (Freehold Land)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building & Civil Works	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transmission Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Substations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Comm. Sys. excluding Fiber Optic	0.00	0.00	39.01	0.00	0.00	0.00	0.00	0.00	39.01
Land (Leasehold)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IT/Software/UNMS/URTDMS/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Capital Cost as per Books	0.00	0.00	39.01	0.00	0.00	0.00	0.00	0.00	39.01
Less: Liability	0.00	0.00	35.22	0.00	0.00	0.00	0.00	0.00	0.00
Add: discharge of liability	0.00	0.00	0.00	35.22	0.00	0.00	0.00	0.00	0.00
De cap During Year As per Books	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Capital incurred	0.00	0.00	3.79	35.22	0.00	0.00	0.00	0.00	39.01
Equity	12.16	0.00	1.14	10.57	0.00	0.00	0.00	0.00	11.71
Debt	28.37	0.00	2.65	24.65	0.00	0.00	0.00	0.00	27.30

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos		
Element Description	Two Numbers Additional FOTE of STM -16 Capacity (5 MSP Tejas Make) at Bhuj PS		
Region	Western Region	DOC Date	Oct 6, 2024

1. Transmission Lines

(Amount in Rs. Lakh)

Summary:

2



2. Sub Station

Summary:

.....



3. Communication System

Name of Communication System	Type of Communication System ULDC/ SCADA/ WAMS/Fibre Optic Communication System/RTU/ PABX/PMU/PLCC/etc	Length of OPGW links	No of RTU	No of PMU	Date of Commercial operation	Capital Cost upto Cutoff	Covered in the present petition	
							Yes/No	If No, Petition No.
02 NOS ADDITIONAL FOTE AT BHUJ PLCC					Oct 6, 2024	39.01	Y	

Summary:

O & M Expenses for the Communication System covered in the instant petition	2024-25	2025-26	2026-27	2027-28	2028-29
CC					
Normative Rate of O&M as per Regulation	2.00	2.00	2.00	2.00	2.00
The original project cost / Asset related to the communication system (Amount in Rs. Lakh)	39.01	39.01	39.01	39.01	39.01
O&M Claimed	0.38	0.78	0.78	0.78	0.78

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Summary of O&M Expenses claim

(Amount in Rs. Lakh)

Particular	2024-25	2025-26	2026-27	2027-28	2028-29
A) Normative O&M					
Transmission Line	0.00	0.00	0.00	0.00	0.00
Substation	0.00	0.00	0.00	0.00	0.00
Communication System	0.38	0.78	0.78	0.78	0.78
Total Normative O&M	0.38	0.78	0.78	0.78	0.78
B) O&M Claimed under Regulation 35 (3)(C) (* The same is not being claimed and will be claimed through separate Petition)					
*Security Expenses	0.00	0.00	0.00	0.00	0.00
*Actual Capital Spare consumed	0.00	0.00	0.00	0.00	0.00
*Insurance Premium Paid	0.00	0.00	0.00	0.00	0.00
Total O&M	0.38	0.78	0.78	0.78	0.78

55


(Petitioner)



Normative parameters considered for tariff computations

Form No. - 3

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos		
Element Description	Two Numbers Additional FOTE of STM -16 Capacity (5 MSP Tejas Make) at Bhuj PS		
Region	Western Region	DOCOC Date	Oct 6, 2024

(Amount in Rs. Lakh)

Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Base Rate of Return of Equity (in %)						
Tax Rate (in %)	17.472	17.472	17.472	17.472	17.472	17.472
Effective tax rate (in %)						
Grossed up Rate for ROE of 15.5% (in %)	18.782	18.782	18.782	18.782	18.782	18.782
Grossed up Rate for ROE of 15.0% (in %)	18.176	18.176	18.176	18.176	18.176	18.176
Target availability - AC System (in %)	98.00	98.00	98.00	98.00	98.00	98.00
Target availability - HVDC System (in %)	96.00	96.00	96.00	96.00	96.00	96.00
Norms for sub-station Bays (Rs Lakh per bay)						
765 kV	51.68	41.34	43.51	45.79	48.20	50.73
400 kV	36.91	29.53	31.08	32.71	34.43	36.23
220 kV	25.84	20.67	21.75	22.90	24.10	25.36
132 kV and below	18.46	15.78	16.61	17.48	18.40	19.35
Norms for Transformers (Rs Lakh per MVA)						
765 kV	0.564	0.262	0.276	0.29	0.305	0.322
400 kV	0.411	0.262	0.276	0.29	0.305	0.322
220 kV	0.282	0.262	0.276	0.29	0.305	0.322
132 kV and below	0.282	0.262	0.276	0.29	0.305	0.322
Norms for Reactor (Rs Lakh per MVAR)						
765 kV	0.00	0.262	0.276	0.29	0.305	0.322
400 kV	0.00	0.262	0.276	0.29	0.305	0.322

220 kV	0.00	0.262	0.276	0.29	0.305	0.322
132 kV and below	0.00	0.262	0.276	0.29	0.305	0.322
Norms for AC and HVDC lines (Rs Lakh per km)						
Single Circuit (Bundled Conductor with six or more sub-conductors)	1.011	0.861	0.906	0.953	1.003	1.056
Single Circuit (Bundled conductor with four sub-conductors)	0.867	0.738	0.776	0.817	0.86	0.905
Single Circuit (Twin & Triple Conductor)	0.578	0.492	0.518	0.545	0.573	0.603
Single Circuit (Single Conductor)	0.289	0.246	0.259	0.272	0.287	0.302
Double Circuit (Bundled conductor with four or more sub-conductors)	1.517	1.291	1.359	1.43	1.506	1.585
Double Circuit (Twin & Triple Conductor)	1.011	0.861	0.906	0.953	1.003	1.056
Double Circuit (Single Conductor)	0.433	0.369	0.388	0.409	0.43	0.453
Multi Circuit (Bundled Conductor with four or more sub-conductor)	2.662	2.266	2.385	2.51	2.642	2.781
Multi Circuit (Twin & Triple Conductor)	1.773	1.509	1.588	1.671	1.759	1.851
Norms for HVDC stations (Rs Lakh/MW)						
HVDC Back-to-Back stations (Rs Lakh/MW) (Except Gazuwaka BTB)	0.00	2.07	2.18	2.30	2.42	2.55
Gazuwaka HVDC Back-to-Back station (Rs Lakh/MW)	0.00	1.83	1.92	2.03	2.13	2.24
HVDC bipole scheme (Rs Lakh/MW)	0.00	1.04	1.10	1.16	1.22	1.28

(Petitioner)



Statement of Capital cost

Form No. - 4A

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos		
Element Description	Two Numbers Additional FOTE of STM -16 Capacity (5 MSP Tejas Make) at Bhuj PS		
Region	Western Region	DOCO Date	Oct 6, 2024

(Amount in Rs. Lakh)

A) Capital Cost

Particular	Accrual Basis	Un-discharged Liabilities	Cash Basis
As on relevant date :2024-25			
a) Opening Gross Block Amount as per books	39.01	35.22	3.79
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in A(a) above	0.00	0.00	0.00
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	3.79	0.00	3.79
As on relevant date :2025-26			
a) Addition in Gross Block Amount during the period	0.00	0.00	0.00
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in B(a) above	0.00	0.00	0.00
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	0.00	0.00	0.00
d) De-cap in gross block amount during the year	0.00	0.00	0.00

a) Closing Gross Block Amount as per books	39.01	0.00	39.01
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	0.00	0.00	0.00
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	3.79	0.00	3.79

As on relevant date :2025-26

a) Opening Gross Block Amount as per books	39.01	0.00	39.01
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in A(a) above	0.00	0.00	0.00

c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	3.79	0.00	3.79
a) Addition in Gross Block Amount during the period	0.00	0.00	0.00
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in B(a) above	0.00	0.00	0.00
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	0.00	0.00	0.00
d) De-cap in gross block amount during the year	0.00	0.00	0.00

a) Closing Gross Block Amount as per books	39.01	0.00	39.01
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	0.00	0.00	0.00
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	3.79	0.00	3.79

As on relevant date :2026-27

a) Opening Gross Block Amount as per books	39.01	0.00	39.01
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in A(a) above	0.00	0.00	0.00
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	3.79	0.00	3.79

a) Addition in Gross Block Amount during the period	0.00	0.00	0.00
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in B(a) above	0.00	0.00	0.00
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	0.00	0.00	0.00
d) De-cap in gross block amount during the year	0.00	0.00	0.00

a) Closing Gross Block Amount as per books	39.01	0.00	39.01
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	0.00	0.00	0.00
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	3.79	0.00	3.79

As on relevant date :2027-28

a) Opening Gross Block Amount as per books	39.01	0.00	39.01
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in A(a) above	0.00	0.00	0.00
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	3.79	0.00	3.79

a) Addition in Gross Block Amount during the period	0.00	0.00	0.00
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in B(a) above	0.00	0.00	0.00
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	0.00	0.00	0.00
d) De-cap in gross block amount during the year	0.00	0.00	0.00

a) Closing Gross Block Amount as per books	39.01	0.00	39.01
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	0.00	0.00	0.00
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	3.79	0.00	3.79

As on relevant date :2028-29

a) Opening Gross Block Amount as per books	39.01	0.00	39.01
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in A(a) above	0.00	0.00	0.00
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	3.79	0.00	3.79

a) Addition in Gross Block Amount during the period	0.00	0.00	0.00
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in B(a) above	0.00	0.00	0.00
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	0.00	0.00	0.00
d) De-cap in gross block amount during the year	0.00	0.00	0.00

a) Closing Gross Block Amount as per books	39.01	0.00	39.01
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	0.00	0.00	0.00
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	3.79	0.00	3.79

B) Flow of liability for the Asset

(Amount in Rs. Lakh)


Particular	2024-2025*						
Opening balance of liability	35.22	0.00	0.00	0.00	0.00	0.00	0.00
Add: Liability from ACE	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Discharge of liability by payment and claimed as ACE	35.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Reversal/cancelation (to be entered)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Closing Balance of Admitted liability	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

(Petitioner)



Abstract of Capital Cost Estimates and Schedule of Commissioning for the New Projects

Name of Transmission Licensee	Powergrid Corporation of India Limited	
Name of Region	WR-II	
Name of the Project	Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos	
Name of the Communication Element	Two Numbers Additional FOTE of STM -16 Capacity (5 MSP Tejas Make) at Bhuj PS	
DOCO	06.10.2024	
New Projects		
Capital Cost Estimates		
Board of Directors / Agency approving the Capital cost Estimates:	CMD	
Date of approval of Capital cost estimates:	09.10.2023	
	Present Day Cost	Completed Cost
Price level of approved estimates	As of End of 3rd Quarter 2023	As on COD of the transmission element (i.e., 06-10-2024)
Foreign Exchange rate considered for the Capital cost Estimates	0.00	0.00
CAPITAL COST EXCLUDING IDC, IEDC & FC		
Foreign Component, if any (In Million US \$ or the relevant Currency)	0.00	0.00
Domestic Component (Rs. in Lakh)	34.61	0.00
Total CAPITAL COST excluding IDC, IEDC, FC, FERV & Hedging Cost (Rs. in Lakh)	34.61	0.00
IDC, IEDC, FC, FERV & Hedging Cost		
Foreign Component, if any (In Million US \$ or the relevant Currency)	0.00	0.00
Domestic Component (Rs. in Lakh)	5.92	3.79
Total IDC, IEDC, FC, FERV & Hedging Cost (Rs. in Lakh)	5.92	3.79
Rates of Taxes & Duties considered	GST @ 18% & Entry Tax @ 4%	GST @ 18%
Capital cost including IDC, FC, FERV & Hedging Cost		
Foreign Component, if any (In Million US \$ or the relevant Currency)	0.00	0
Domestic Component (Rs. in Lakh)	40.53	3.79
Capital Cost including IDC, IEDC & FC (Rs. in Lakh)	40.53	3.79
Schedule of Commissioning	09.07.2023	
 (Petitioner)		



Element wise Break-up of Project Cost for Transmission System

Name of Transmission Licensee		Powergrid Corporation of India Limited										
Name of the Project		WR-II										
Name of the Communication Element		Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos										
DOC		Two Numbers Additional FOTE of STM -16 Capacity (5 MSP Tejas Make) at Bhuj PS										
DOC		06.10.2024										
Sl. No. (1)	Particulars (2)	As per original Estimate (3)		Actual Capital Expenditure (Gross Block) as on COD as per Books of Account		Project/actual cost of Deferred work to be capitalised after COD but before cut-off date	Variation between actual cost and IARCE cost as on COD	Reasons for Variation (8)	Undischarged Liabilities included in Col (4) (9)	Admitted Cost (10)	Capital Work in progress as per Books of Account as on COD	
		Quantity	Rate	Quantity	Actual Cost							
1	2	3	4	5	6	7	8	9	10	11		
A.	TRANSMISSION LINE											
	Total - Transmission Lines		0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
B.	SUBSTATIONS											
4.0	Preliminary works & Land											
	Total (Sub-Station)		0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
C.	COMMUNICATION SYSTEM											
9.1	Preliminary works											
9.2	Communication System equipments	1.00	29.50		-	-	-29.50	Cost of material as per actual received	35.2			
9.3	Taxes and Duties	1.00	5.11		-	-	-5.11	As per actual				
9.4	Shares		0.00		-	-	-					
	Total Communication System		34.61		0.00	0.00	-34.61		35.22	0.00	0.00	
10.0	Cost of Plant & Machinery		34.61		0.00	0.00	-34.61		35.22	0.00	0.00	
11.0	Construction & Pre-commissioning expenses											
11.1	Site supervision & site administration, etc.											
11.2	Tools & Plants											
11.3	Construction Insurance											
	Total Construction & Pre-commissioning expenses		0.00		0.00	0.00	0.00		0.00	0.00	0.00	
12.0	Overheads											
12.1	Establishment											
12.2	Audit & Accounts											
12.3	Contingency		1.04				-1.0					
12.4	ESTABLISHMENT		3.72		0.0	0.0	0.07	As per actual				
	Total Overheads		4.76		0.00	0.00	-0.97		0.00	0.00	0.00	
13.0	Capital Cost including Plant & Machinery											
13.1	Interest During Construction (IDC)		1.16		0.00	0.0	-1.16	As per actual				
13.2	Financing Charges (FC)											
13.3	Foreign Exchange Rate Variation (FERV)											
13.4	Hedging Cost											
	Total of IDC, FC, FERV & Hedging Cost		1.16		0.00	0.00	-1.16		0.00	0.00	0.00	
14.0	Capital Cost including IDC, FC, FERV & Hedging Cost		40.53		3.79	0.00	-36.75		35.22	0.00	0.00	

(Performer)

e) Summary of Capital Cost as on 30.06.2019

Sl. No. (1)	Particular	Plant & Machinery Cost including initial spare but excluding IDC & IEDC	Initial spare capitalised	IEDC Capitalised	IDC Capitalised	Loan FERV account as on COD	Gross Block as per books of account as on COD	Deduction from Gross Block	Gross block meant for tariff as on COD / 01.04.19 (after deductions)	Undischarged liability included in 8	Capital Cost on Cash basis for tariff as on COD / as on 01-04-19
		1	2	3	4	5	6 = (1+3+4+5)	7	8 = (6-7)	9	10 = (8-9)
	Land (Freehold Land)										
	Land (Leasehold)										
	Building & Civil Works										
	Transmission Line										
	Sub-Station										
	IT Equipment and Software										
	PLCC/Comm system	35.22	0.00	3.79	0.00	0.00	39.01	0.00	39.01	35.22	3.79
	Total Capital Cost as per Books of Account	35.22	0.00	3.79	0.00	0.00	39.01	0.00	39.01	35.22	3.79
	Less: Un-discharged liabilities	35.22	0.00	0.00	0.00	0.00	35.22	0.00	35.22		
	Total Capital Cost Claimed for tariff	0.00	0.00	3.79	0.00	0.00	3.79	0.00	3.79	0.00	3.79
	% of IDC / IEDC on the base of (Plant & Machinery cost including initial spare as per Books of Account)										
	Means of Finance										
	Equity										
	Debt										

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Break-up of Construction / Supply / Service Packages

Name of Transmission Licensee												Form 5A	
Name of Region													
Name of the Project													
Name of the Communication Element													
DOCO													
Name of Construction / supply / service package													
Sl. No.	Name / No. of Construction / supply / service package	Scope of works (in line with head of cost break-ups as applicable)	Whether awarded through ICB / DCB / Departmentally / Deposit work, etc.	No. of bids received	Date of Award	Date of start of work	Actual Date of completion of work	Value of Award in (Amount Rs in Lakh)	Firm or With escalation in price	Actual Expenditure till the completion or up to COD whichever is earlier (Amount Rs in Lakh)	Taxes & Duties and IE DC	IDC, FC, FERRY & Hedging cost	Sub-total
	Supply & installation completed through APAR												
1	CC-CS/017-WR2/OPGW-4235/37/NOA-HWR2-400001 dttd.16.11.2021	Supply, F & I and Erection package	Domestic		16.11.2021	16.11.2021	06.10.2024	Supply - INR 2777220 F & I - INR 100980 Erection - INR 49514		0.000	3.79	0.00	3.79
	TOTAL									0.00	3.79	0.00	3.79

(Pejhu mark)



DETAILS OF ELEMENTWISE COST OF THE PROJECT

Name of Transmission Licensee Powergrid Corporation of India Limited								
Name of Region WR-II								
Name of the Project Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE. Gencos								
Name of the Communication Element Two Numbers Additional FOTE of STM-16 Capacity (5 MSP Tejas Make) at Bhuj PS								
DOCO 06.10.2024								
Sl. No.	Name of asset	SCOD	COD	Delay in No. of Days	AppORTIONED Cost (Lakh)	Revised cost estimates, if applicable (Lakh)	Completed Cost (Lakh)	Covered in the present if No, Petition No.
1	Two Numbers Additional FOTE of STM-16 Capacity (5 MSP Tejas Make) at Bhuj PS	09-Jul-24	06-10-2024	89	40.53	0.00	39.01	Yes
GRAND TOTAL					40.53		39.01	

(Petitioner)



Financial Package upto COD

Form No. -6

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos		
Element Description	Two Numbers Additional FOTE of STM -16 Capacity (5 MSP Tejas Make) at Bhuj PS		
Region	Western Region	DOC Date	Oct 6, 2024

(Amount in Rs. Lakh)

Particulars	Financial Package as Approved		Financial Package as on COD 01/04/2024		As Admitted on COD 01/04/2024	
	Currency	Amount	Currency	Amount	Currency	Amount
Loans		0.00		0.00		0.00
Loan-Domestic		0.00		0.00		0.00
Loan-Foreign		0.00		0.00		0.00
Total Loans	INR	27.31	INR	2.65		0.00
Equity		0.00		0.00		0.00
Foreign		0.00		0.00		0.00
Domestic	INR	11.70	INR	1.14		0.00
Total Equity	INR	11.70	INR	1.14		0.00
Debt Equity Ratio					70:30	
Total Cost	INR	39.01	INR	3.79		0.00

Particulars	Debt	Equity	Total
Addcap for 2024 - 2025			35.22
Addcap for 2025 - 2026			0.00
Addcap for 2026 - 2027			0.00
Addcap for 2027 - 2028			0.00

Addcap for 2028 - 2029			0.00	
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Particulars	Actual	Normative		
Addcap for 2024 - 2025				
Equity		10.57		
Debt		24.65		
Total		35.22		
Addcap for 2025 - 2026				
Equity		0.00		
Debt		0.00		
Total		0.00		
Addcap for 2026 - 2027				
Equity		0.00		
Debt		0.00		
Total		0.00		
Addcap for 2027 - 2028				
Equity		0.00		
Debt		0.00		
Total		0.00		
Addcap for 2028 - 2029				
Equity		0.00		
Debt		0.00		
Total		0.00		
Total Capital cost with Addcap		39.01		



Statement of Additional Capitalisation after COD

Form No. - 7

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos		
Element Description	Two Numbers Additional FOTE of STM -16 Capacity (5 MSP Tejas Make) at Bhuj PS		
Region	Western Region	DOC Date	Oct 6, 2024

(Amount in Rs. Lakh)

Particulars	Addition into Gross Block as per books of Account during the year (2)	De-Cap into Gross Block as per books of Account during the year	Less: Deductions dr. the year towards				Add: Discharge of earlier admitted liability	ACE on cash basis for tariff purpose	Admitted Cost in final tariff (Rs Lakh)
			Grants Received (if any) (3)	Asset pertaining to other businesses (if any) (4)	Other Deduction (if any) (5)	Less: Undischarged liability included in (2-4-5)			
ACE for the year :2024-25 (Actual/Projected)									
Land (Freehold Land)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building & Civil Works	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transmission Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Substations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Comm. Sys. excluding Fiber Optic	0.00	0.00	0.00	0.00	0.00	0.00	35.22	35.22	0.00
Land (Leasehold)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IT/Software/UNMS/URTDMS/SCADA,etc	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	35.22	35.22	0.00
ACE for the year :2025-26 (Actual/Projected)									

Land (Freehold Land)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building & Civil Works	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transmission Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Substations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Comm. Sys. excluding Fiber Optic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Land (Leasehold)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IT/Software/UNMS/URTDMS/ SCADA,etc	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ACE for the year :2026-27 (Actual/Projected)									
Land (Freehold Land)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building & Civil Works	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transmission Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Substations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Comm. Sys. excluding Fiber Optic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Land (Leasehold)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IT/Software/UNMS/URTDMS/ SCADA,etc	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ACE for the year :2027-28 (Actual/Projected)									
Land (Freehold Land)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building & Civil Works	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Transmission Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Substations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Comm. Sys. excluding Fiber Optic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Land (Leasehold)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IT/Software/UNMS/URTDSM/ SCADA,etc	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ACE for the year :2028-29 (Actual/Projected)									
Land (Freehold Land)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building & Civil Works	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transmission Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Substations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Comm. Sys. excluding Fiber Optic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Land (Leasehold)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IT/Software/UNMS/URTDSM/ SCADA,etc	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Batteries	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

(Petitioner)



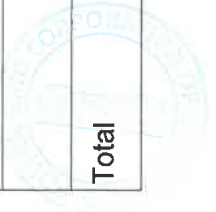
Financing of Additional Capitalisation

Form No. - 7A

Name of the Transmission Licensee	Power Grid Corporation of India Limited
Project	Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos
Element Description	Two Numbers Additional FOTE of STM -16 Capacity (5 MSP Tejas Make) at Bhuj PS
Region	Western Region
	DOC Date
	Oct 6, 2024

(Amount in Rs. Lakh)

Financial Year (Starting of COD)	Actual/Projected						Admitted			
	2024-25	2025-26	2026-27	2027-28	2028-29	2024-25	2025-26	2026-27	2027-28	2028-29
Amount capitalized in Work/ Equipment										
Financing Details										
Total Loan	24.65	0.00	0.00	0.00	0.00					
Equity	10.57	0.00	0.00	0.00	0.00					
Total	35.22	0.00	0.00	0.00	0.00					



(Petitioner)

Calculation of ROE

Form No. - 8

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos		
Element Description	Two Numbers Additional FOTE of STM -16 Capacity (5 MSP Tejas Make) at Bhuj PS		
Region	Western Region	DOCO Date	Oct 6, 2024

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
No. of Days in the year	365.00	365.00	365.00	366.00	365.00
No. of days for which tariff claimed	177.00	365.00	365.00	366.00	365.00
Opening Normative Equity	1.14	11.71	11.71	11.71	11.71
Less: Adjustment in Equity*	0.00	0.00	0.00	0.00	0.00
Adjustment during the year	0.00	0.00	0.00	0.00	0.00
Net opening equity (Normal)	1.14	11.71	11.71	11.71	11.71
Add: Increase in Equity due to addition during the year / period	0.00	0.00	0.00	0.00	0.00
Less: Decrease due to de-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00
Add: Increase due to discharge during the year / period	10.57	0.00	0.00	0.00	0.00
Closing Normative Equity	11.71	11.71	11.71	11.71	11.71
Average Normative Equity	6.43	11.71	11.71	11.71	11.71
Rate of return on Equity (%)	18.176	18.176	18.176	18.176	18.176
Reduced rate of 1% decided by commission under Regulation 30(2) (if any)	0.00	0.00	0.00	0.00	0.00
Effective rate of ROE	15.00	15.00	15.00	15.00	15.00
MAT/Corporate Rate	17.472	17.472	17.472	17.472	17.472
Grossed up rate of ROE	18.176	18.176	18.176	18.176	18.176
Return on Equity	1.17	2.13	2.13	2.13	2.13
Pro rata return on Equity	0.57	2.13	2.13	2.13	2.13

(Petitioner)

Calculation of WAR of interest on actual loan

Form No. - 9C

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos		
Element Description	Two Numbers Additional FOTE of STM -16 Capacity (5 MSP Tejas Make) at Bhuj PS		
Region	Western Region	DOCO Date	Oct 6, 2024

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Canara-02 -DOCO FUNDING					
Gross Loan- Opening	2.65	2.65	2.65	2.65	2.65
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	0.19
Net loan-Opening	2.65	2.65	2.65	2.65	2.46
Add: Drawl(s) during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	0.00	0.19	0.38
Net Loan-Closing	2.65	2.65	2.65	2.46	2.08
Average Net Loan	2.65	2.65	2.65	2.56	2.27
Rate of Interest on Loan on Annual Basis	8.15	8.15	8.15	8.15	8.15
Interest on loan	0.216	0.216	0.216	0.2086	0.185

Summary

Gross Loan- Opening	2.65	2.65	2.65	2.65	2.65
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	0.19
Net loan-Opening	2.65	2.65	2.65	2.65	2.46
Add: Drawl(s) during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment(s) of loan during the year	0.00	0.00	0.00	0.19	0.38

Net Loan-Closing	2.65	2.65	2.65	2.46	2.08
Average Net Loan	2.65	2.65	2.65	2.56	2.27
Rate of Interest on Loan on Annual Basis	8.1509	8.1509	8.1509	8.1484	8.1498
Interest on loan	0.216	0.216	0.216	0.2086	0.185


(Petitioner)



Calculation of interest on Normative loan

Form No. - 9E

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos		
Element Description	Two Numbers Additional FOTE of STM -16 Capacity (5 MSP Tejas Make) at Bhuj PS		
Region	Western Region	DOCO Date	Oct 6, 2024

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
No. of Days in the Year	365.00	365.00	365.00	366.00	365.00
No. of days for which Tariff claimed	177.00	365.00	365.00	366.00	365.00
Gross normative loan-Opening	2.65	27.30	27.30	27.30	27.30
Cumulative repayments of Normative loan upto previous year	0.00	1.56	7.41	13.26	19.11
Net normative loan-Opening	2.65	25.74	19.89	14.04	8.19
Addition in normative loan towards the ACE	24.65	0.00	0.00	0.00	0.00
Adjustment of normative gross loan pertaining to the decapitalised asset	0.00	0.00	0.00	0.00	0.00
Normative repayments of normative loan during the year	1.56	5.85	5.85	5.85	5.85
Adjustment of cumulative repayment pertaining to the decapitalised asset	0.00	0.00	0.00	0.00	0.00
Net normative loan - closing	25.74	19.89	14.04	8.19	2.34
Average normative loan	14.20	22.82	16.97	11.12	5.27
Weighted Average Rate of interest on actual loan	8.1509	8.1509	8.1509	8.1484	8.1498
Interest on normative loan	1.16	1.86	1.38	0.91	0.43
Pro rata interest on normative loan	0.56	1.86	1.38	0.91	0.43



Calculation of Depreciation Rate on Original Project Cost

Form No. - 10

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos		
Element Description	Two Numbers Additional FOTE of STM -16 Capacity (5 MSP Tejas Make) at Bhuj PS		
Region	Western Region	DOC Date	Oct 6, 2024

(Amount in Rs. Lakh)

Name of Assets	Gross block at the beginning of the year	Add Cap during the year	Gross block at the end of the year	Average Gross Block	Depreciation Rate as per CERC's Depreciation Rate Schedule	Depreciation Amount for each year upto 31.03.2029
2024-25						
Land(Freehold)	0.00	0.00	0.00	0.00	0.00	0.00
Civil & Building	0.00	0.00	0.00	0.00	3.34	0.00
Transmission Line	0.00	0.00	0.00	0.00	4.22	0.00
Sub Station	0.00	0.00	0.00	0.00	4.22	0.00
Comm. Sys. excluding Fiber Optic	3.79	35.22	39.01	21.40	15.00	1.56
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDSM/SCADA,etc	0.00	0.00	0.00	0.00	15.00	0.00
Batteries	0.00	0.00	0.00	0.00	9.50	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	6.33	0.00
TOTAL	3.79	35.22	39.01	21.40	0.00	1.56
Weighted Average Rate of Depreciation(%)					7.28972	

2025-26						
Land(Freehold)	0.00	0.00	0.00	0.00	0.00	0.00



Civil & Building	0.00	0.00	0.00	0.00	3.34	0.00
Transmission Line	0.00	0.00	0.00	0.00	4.22	0.00
Sub Station	0.00	0.00	0.00	0.00	4.22	0.00
Comm. Sys. excluding Fiber Optic	39.01	0.00	39.01	39.01	15.00	5.85
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDSM/SCADA,etc	0.00	0.00	0.00	0.00	15.00	0.00
Batteries	0.00	0.00	0.00	0.00	9.50	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	6.33	0.00
TOTAL	39.01	0.00	39.01	39.01	0.00	5.85
Weighted Average Rate of Depreciation(%)					14.996155	

2026-27						
Land(Freehold)	0.00	0.00	0.00	0.00	0.00	0.00
Civil & Building	0.00	0.00	0.00	0.00	3.34	0.00
Transmission Line	0.00	0.00	0.00	0.00	4.22	0.00
Sub Station	0.00	0.00	0.00	0.00	4.22	0.00
Comm. Sys. excluding Fiber Optic	39.01	0.00	39.01	39.01	15.00	5.85
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDSM/SCADA,etc	0.00	0.00	0.00	0.00	15.00	0.00
Batteries	0.00	0.00	0.00	0.00	9.50	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	6.33	0.00
TOTAL	39.01	0.00	39.01	39.01	0.00	5.85
Weighted Average Rate of Depreciation(%)					14.996155	

2027-28						
Land(Freehold)	0.00	0.00	0.00	0.00	0.00	0.00
Civil & Building	0.00	0.00	0.00	0.00	3.34	0.00
Transmission Line	0.00	0.00	0.00	0.00	4.22	0.00
Sub Station	0.00	0.00	0.00	0.00	4.22	0.00
Comm. Sys. excluding Fiber Optic	39.01	0.00	39.01	39.01	15.00	5.85
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDSM/SCADA,etc	0.00	0.00	0.00	0.00	15.00	0.00
Batteries	0.00	0.00	0.00	0.00	9.50	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	6.33	0.00
TOTAL	39.01	0.00	39.01	39.01	0.00	5.85
Weighted Average Rate of Depreciation(%)					14.996155	

2028-29						
Land(Freehold)	0.00	0.00	0.00	0.00	0.00	0.00
Civil & Building	0.00	0.00	0.00	0.00	3.34	0.00
Transmission Line	0.00	0.00	0.00	0.00	4.22	0.00
Sub Station	0.00	0.00	0.00	0.00	4.22	0.00
Comm. Sys. excluding Fiber Optic	39.01	0.00	39.01	39.01	15.00	5.85
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDSM/SCADA,etc	0.00	0.00	0.00	0.00	15.00	0.00
Batteries	0.00	0.00	0.00	0.00	9.50	0.00
Fiber Optic/OPGW	0.00	0.00	0.00	0.00	6.33	0.00
TOTAL	39.01	0.00	39.01	39.01	0.00	5.85

Weighted Average Rate of Depreciation(%)					14.996155	
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(Petitioner)

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Statement of Depreciation

Form No. - 10A

Name of the Transmission Licensee	Power Grid Corporation of India Limited				
Project	Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos				
Element Description	Two Numbers Additional FOTE of STM -16 Capacity (5 MSP Tejas Make) at Bhuj PS				
Region	Western Region	DOC Date	Oct 6, 2024		

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
No of Days in the year	365.00	365.00	365.00	366.00	365.00
No of days for which tariff claimed	177.00	365.00	365.00	366.00	365.00
Life at the beginning of the year					
1.1 Weighted Average useful life of the Asset/ Project	7.00	7.00	7.00	7.00	7.00
1.2 Lapsed Weighted Average useful life of the Asset/Project(in completed no. of year)	0.00	0.00	1.00	2.00	3.00
1.3 Balance Weighted Average useful life of the Asset/Project(in completed no. of year)	7.00	7.00	6.00	5.00	4.00
Capital Base					
1.4 Opening capital cost	3.79	39.01	39.01	39.01	39.01
1.5 Additional Capital Expenditure dr. the year	35.22	0.00	0.00	0.00	0.00
1.6 De-Capitalisation During the year	0.00	0.00	0.00	0.00	0.00
1.7 Closing capital cost	39.01	39.01	39.01	39.01	39.01
1.8 Average capital cost	21.40	39.01	39.01	39.01	39.01
1.9 Freehold land included in 1.8	0.00	0.00	0.00	0.00	0.00
1.10 Asset having NIL salvage value included in 1.8	0.00	0.00	0.00	0.00	0.00
1.11 Asset having 10% salvage value included in 1.8	21.40	39.01	39.01	39.01	39.01
1.12 Depreciable Value(1.10+90% of 1.11)	19.26	35.11	35.11	35.11	35.11
Depreciation for the period and Cum. Depreciation					
1.13 Weighted Average Rate of depreciation	7.28972	14.996155	14.996155	14.996155	14.996155

1.14 Depreciation(for the period)	1.56	5.85	5.85	5.85	5.85
1.15 Depreciation(Annualised)	1.56	5.85	5.85	5.85	5.85
Unrecovered Depreciation for DECAP	0.00	0.00	0.00	0.00	0.00
1.16 Cumulative depreciation at the beginning of the period	0.00	1.56	7.41	13.26	19.11
1.17 Less:Adj of Cum. Dep pertaining to decapitalised Asset	0.00	0.00	0.00	0.00	0.00
1.18 Cumulative depreciation at the end of the period	1.56	7.41	13.26	19.11	24.96

(Petitioner)



Calculation of interest on working Capital

Form No. - 11

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos		
Element Description	Two Numbers Additional FOTE of STM -16 Capacity (5 MSP Tejas Make) at Bhuj PS		
Region	Western Region	DOCO Date	Oct 6, 2024

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
No of Days in the year	365.00	365.00	365.00	366.00	365.00
No of days for which tariff claimed	177.00	365.00	365.00	366.00	365.00
O&M Expenses-one month	0.07	0.07	0.07	0.07	0.07
Maintenance spares 15% of O&M Expenses	0.12	0.12	0.12	0.12	0.12
Receivables equivalent to 45 days of AFC	0.79	1.33	1.27	1.21	1.15
Total Working capital	0.98	1.52	1.46	1.40	1.34
Bank Rate as on 01.04.2024 or as on 01st April of the COD year, whichever is later.	11.90	11.90	11.90	11.90	11.90
Interest on working capital	0.12	0.18	0.17	0.17	0.16
Pro rata interest on working capital	0.06	0.18	0.17	0.17	0.16

(Petitioner)



Incidental Expenditure during Construction

Name of Transmission Licensee		Powergrid Corporation of India Limited					
Name of Region		WR-II					
Name of the Project		Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE					
Name of the Communication Element		Two Numbers Additional FOTE of STM -16 Capacity (5 MSP Tejas Make) at Bhuj PS					
DOCO		06.10.2024					
Sl. No.	Parameters	E/Y 2022-23	E/Y 2023-24	E/Y 2024-25	(Amount in Rs. Lakh)		Total
					E/Y 2025-26	E/Y 2026-27	
A	Expenses:						
1	Communication Expenses	-	-	-	-	-	-
2	Corp. Centre/RHQ Expd. Transfer to WIP	-	-	-	-	-	-
3	Depreciation	-	-	-	-	-	-
4	Employees' Remuneration & Benefits	-	-	-	-	-	-
5	Vehicle Hiring Expd.	-	-	-	-	-	-
6	Other Office and Administrative Expenses	-	-	3.79	-	-	3.79
7	Security Expenses	-	-	-	-	-	-
8	Travelling Expd.	-	-	-	-	-	-
	Total Expenses (A)	-	-	3.79	-	-	3.79
B	Less :-						
1	Elec. Chrgs, Intt & License Fee Recovery from Emplv	-	-	-	-	-	-
2	Interest on Advance to Contractors	-	-	-	-	-	-
3	Intt Income From FV of Emplv Loans & Adv	-	-	-	-	-	-
4	Other Income / Misc. Receipts	-	-	-	-	-	-
	TOTAL	-	-	3.79	-	-	3.79
	IEDC TAKEN TO CERTIFICATES	-	-	3.79	-	-	3.79

Note: IEDC should be duly reconciled with the corresponding figures of Auditor's Certificate.

1
PETITIONER



Drawdown schedule Calculation of IDC & Financing Charges

Form No. - 12B

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos		
Element Description	Two Numbers Additional FOTE of STM -16 Capacity (5 MSP Tejas Make) at Bhuj PS		
Region	Western Region	DOC Date	Oct 6, 2024

Particulars	Quarter 1		Quarter 2		Quarter n (COD)	
	Quantum in FC	Ex. Rate on Drawn Down Date Amount in Indian Rupee	Quantum in FC	Ex. Rate on Drawn Down Date Amount in Indian Rupee	Quantum in FC	Ex. Rate on Drawn Down Date Amount in Indian Rupee
Loans						
Foreign Loans						
Total of Foreign Loans						
Indian Loans						
Canara-02 -DOC Date FUNDING						
Draw Down Account						2.65
IDC						
Financing Charges						

85

Total of Indian Loans																						2.65	
Total of Loan Drawn	•																						2.65

[Signature]
(Petitioner)



Details of Initial Spares	
Name of Transmission Licensee	Powergrid Corporation of India Limited
Name of Region	WR-II
Name of the Project	Requirement of additional FOTE of 5TM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos
Name of the Communication Element	Two Numbers Additional FOTE of 5TM-16 Capacity (5 MSP Tejas Make) at Bhuj PS
DOCO	06.10.2024
	Cut-Off Date of the Asset 31.03.2028

A) Determination of Excess Initial spare and its adjustment from Capital cost

Particulars	Plant and machinery cost as on cut-off Date1	Initial Spare Capitalised as per Books of Account up to Cut-off Date					Ceiling limit as mentioned in Regulations 23	Entitled Initial Spare as per Regulations	Excess of capitalised Initial Spare to be reduced from Capital cost	Adjustment of Excess Initial Spare from Capital cost of Plant and Machinery			
		As on COD	As ACE during 2021-22	As ACE during 2022-23	As ACE during 2023-24	Total as on Cut off Date3				COD	ACE for 2019-20	ACE for 2020-21	ACE for 2021-22
1	2	3	4	5	6	7	8	9	10=7-9 (Note 2)	11	12	13	14
Transmission Line							1.00%						
Substation Green Field							4.00%						
Substation Brown Field							6.00%		0.00				
Series Compensation devices and HVDC Stations							4.00%						
GIS/S- Green field							5.00%		0.00				
GIS/S- Brown field							7.00%						
Communication System	35.22						3.50%	1.23	(1.23)				
Static Synchronous Compensator							6.00%						
Initial spare as per Books of Account													
Un-Discharge liabilities included above													
Total Capitalized Initial Spare													

Note: 1) Plant and machinery cost as on cut-off Date for the purpose of initial spare (As computed in Col. 1 of the below table)
2) The column 10 has to be shown as nil in case the claimed initial spare is with in the ceiling limit.
3) Total cost should be excluding IDC and IEDC.

B) Determination of Plant & Machinery Cost for ceiling of Initial Spares

Particulars	Gross Block of Asset as on COD	Less: Amount Included in Col.B towards					Plant & Machinery cost as on COD for initial Spare purpose	Plant & Machinery Capitalised as ACE up to cut off date				Plant & Machinery cost as on cut off date for the purpose of Initial spare	
		Land Cost/compensation	Cost of Civil Works	IEDC	IDC	Initial Spare		2020-21	2021-22	2022-23	2023-24		
a	b	c	d	e	f	g	h=b-c-d-e-f-g	i	j	k	l	m=h+i+j+k+l	
Transmission Line													
Substation Green Field													
Substation Brown Field													
Series Compensation devices and HVDC Stations													
GIS/S- Green field													
GIS/S- Brown field													
Communication System	39.01			3.79			35.22						35.22
Static Synchronous Compensator													

Note: The cost details for the year in which cut off date fails has to be provide only upto cut off date.

(Partner)



PART-III

Summary of Capital Cost & Annual Fixed Cost (AFC) Claimed for ALL the assets covered in the present petition.

Name of the Petitioner	Power Grid Corporation of India Ltd
Tariff Period	2024-29
Name of the Transmission Project	Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Genco's
COD of the Project (if entire scope of project is completed)	06.10.2024

Rupees in lakh

A) Summary of Capital Cost as on COD and Additional Capital Expenditure claimed for all the assets Covered in the instant petition.		i) Appropriated Approved Cost	Cut-off Date	ii) Summary of Actual / Projected Capital Cost												
				S. No.	Asset No.	COD	As per Investment approval	As per RCE	As on COD/ 01.04.2019	2024-25	2025-26	2026-27	2027-28	2028-29	Capital Cost as on 31.03.2029	
																1
1	Asset 1	06.10.2024	31.03.2028	40.53	40.53	3.79	35.22	0	0	0	0	0	0	0	0	39.01
----	TOTAL			40.53	40.53	3.79	35.22	0.00	0	0	0	0	0	0	0	39.01
Total Capital Cost Claimed																

B) Summary of Annual Fixed Cost (AFC) claimed for all the assets covered in the instant petition.

S. No.		Asset Name and its location												
1		2024-25	2025-26	2026-27	2027-28	2028-29							2028-29	
1	Asset 1	Two Numbers Additional FOTE of STM -16 Capacity (5 MSF Tejas Make) at Bhuj PS	3.13	10.8	10.31	9.84							9.35	

(Petitioner)



Summary of issue involved in the petition

**PART-III
FORM- 15**

1. Name of the Petitioner	Power Grid Corporation of India Limited			
2. Petition Category	Transmission			
3. Tariff Period	2024-29			
4. Name of the Project	Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos			
5. Investment Approval date	09.10.2023			
6. SCOD of the Project	09.07.2024			
7. Actual COD of the project	06.10.2024			
8. Whether entire scope is covered in the present petition.	Yes			
9. No. of Assets covered in instant petition	1			
10. No. of Assets having time over run	1			
11. Estimated Project Cost as per IA	Rs 40.53 lakh			
12. Is there any REC? if so, provide the date	No			
13. Revised Estimated Project Cost (if any)	N.A.			
14. Completion cost for all the assets covered in the instant petition.	Rs 39.01 Lakh			
15. No. of Assets covered in instant petition and having cost overrun.	Nil			
16	Prayer in brief			
17	Key details and any Specific issue involved			
18	Respondents			
	Name of Respondents			
	1	MADHYA PRADESH POWER MANAGEMENT COMPANY LTD	6	DNHDD POWER DISTRIBUTION CORPORATION LIMITED
	2	ELECTRICITY DEPARTMENT, GOA		
	3	MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.		
	4	GUJARAT URJA VIKAS NIGAM LTD.		
	5	CHHATTISGARH STATE POWER DISTRIBUTION CO. LTD		


 (Petitioner)

Liability Flow Statement										
Name of Transmission Licensee		Powergrid Corporation of India Limited								
Name of Region		WR-II								
Name of the Project		Requirement of additional FOTE of STM-16 capacity at Bhuj PS to cater to connectivity of RE Gencos								
Name of the Communication Element		Two Numbers Additional FOTE of STM -16 Capacity (5 MSP Tejas Make) at Bhuj PS								
DOCC		06.10.2024								
Asset No.	Headwise /Partywise	Particulars st	Year of Actual Capitalisation	Outstanding Liability as on COD 06.10.2024	Discharge				Outstanding Liability as on 31.3.2029	
					2024-25	2025-26	2026-27	2027-28		2028-29
- Due to Unexecuted Work										
1	PLCC and Communication System	Apar	2024-25	-						
- Due to Discharge of Liability										
1	PLCC and Communication System	Apar	2024-25	35.22	-	-	-	-	-	35.22
Total				-	-	-	-	-	-	35.22



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

PART-III
Check List

Form No.	Title of Tariff Filing Forms (Transmission & Communication System)	Tick
FORM-1	Summary of Tariff	✓
FORM-1A	Summary of Asset level cost	✓
FORM-2	Details of Transmission Lines and Substations and Communication System covered in the project scope and O&M for instant asset	✓
FORM-3	Normative parameters considered for tariff computations	✓
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.	N.A.
FORM-4A	Statement of Capital cost	✓
FORM-4B	Statement of Capital Works in Progress	N.A.
FORM-4C	Abstract of Capital Cost Estimates and Schedule of Commissioning for the New Project/Element	✓
FORM-5	Element wise Break-up of Project/Asset/Element Cost for Transmission System or Communication System	✓
FORM-5A	Break-up of Construction/Supply/Service packages	✓
FORM-5B	Details of all the assets covered in the project	✓
FORM-6	Actual Cash Expenditure and Financial Package up to COD	✓
FORM-7	Statement of Additional Capitalisation after COD	✓
FORM-7A	Financing of Additional Capitalisation	✓
FORM-7B	Statement of Additional Capitalisation during five year before the end of the useful life of the project.	N.A.
FORM-8	Calculation of Return on Equity	✓
FORM-8A	Details of Foreign Equity	N.A.
FORM-9	Details of Allocation of corporate loans to various transmission elements	N.A.
FORM-9A	Details of Project Specific Loans	N.A.
FORM-9B	Details of Foreign loans	N.A.
FORM-9C	Calculation of Weighted Average Rate of Interest on Actual Loans	✓
FORM-9D	Loans in Foreign Currency	N.A.
FORM-9E	Calculation of Interest on Normative Loan	✓
FORM-10	Calculation of Depreciation Rate on original project cost	✓
FORM-10A	Statement of Depreciation	✓
FORM-10B	Statement of De-capitalisation	N.A.
FORM-11	Calculation of Interest on Working Capital	✓
FORM-12	Details of time over run	N.A.
FORM-12A	Incidental Expenditure during Construction	✓
FORM-12B	Calculation of IDC & Financing Charges	✓
FORM-13	Details of initial spares	✓
FORM-14	Non-Tariff Income	N.A.
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)	N.A.
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	N.A.
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.	N.A.
6	Copies of the BPTA/TSA/PPA with the beneficiaries, if any	N.A.
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.	N.A.
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.	N.A.
10.	Any other relevant information, (Please specify)	N.A.
<p>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.</p>		

