

BEFORE

THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION, NEW DELHI

Petition No. ____ /TT/ ____

IN THE MATTER OF: Petition for determination of tariff under Section 62 read with Section 79 (1) (d) of Electricity Act, 2003 and under the Regulation 15 (1) (a) and Regulation 23 of Central Electricity Regulatory Commission (Conduct of Business) Regulations, 2023 read with Central Electricity Regulatory Commission (Terms and Condition of Tariff Regulations) 2024 for 1x1500 MVA, 765/400 kV ICT (3rd) at Pune(GIS) substation along with associated bays under **"Western Region Expansion Scheme-XXXI"**.

Power Grid Corporation of India Ltd

---PETITIONER

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

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

Vs

**Madhya Pradesh Power Management Company
Ltd.**

---RESPONDENTS

Shakti Bhawan, Rampur

Jabalpur - 482 008

Represented by Its MD

and Others

Place: Gurugram

Date: 19.06.2025

Petitioner



(Angaru Naresh Kumar)

Dy. General Manager (Commercial)



BEFORE

THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION, NEW DELHI

Petition No. ____ /TT/ ____

IN THE MATTER OF: Petition for determination of tariff under Section 62 read with Section 79 (1) (d) of Electricity Act, 2003 and under the Regulation 15 (1) (a) and Regulation 23 of Central Electricity Regulatory Commission (Conduct of Business) Regulations, 2023 read with Central Electricity Regulatory Commission (Terms and Condition of Tariff Regulations) 2024 for 1x1500 MVA, 765/400 kV ICT (3rd) at Pune(GIS) substation along with associated bays under “**Western Region Expansion Scheme-XXXI**”.

Power Grid Corporation of India Ltd

---PETITIONER

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

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

Vs

**Madhya Pradesh Power Management Company
Ltd.**

---RESPONDENTS

Shakti Bhawan, Rampur
Jabalpur - 482 008

Represented by Its MD

and Others

INDEX

Sl. No.	Description	Enclosure No.	Page No.
	Cover Page	-	1
1	Index	-	2-3
2	Letter for registration	-	4
3	Memo of Parties	-	5-6
4	Memo of appearance		7-8
5	Petition for determination of Tariff	-	9-31
6	Affidavit		32-33
7	Power of Attorney		33A, 33B



<u>ANNEXURES:</u>			
8	Copy of Investment approval	Encl –1	34-37
9	Extracts of 10 th CMETS MOM	Encl –2	38-42
10	CTUIL OM	Encl-3	43-52
11	SLD of Substation	Encl-4	53
12	DPR	Encl-5	54-68
13	CEA clearance certificate, GRID INDIA charging certificate, CMD certificate, DOCO	Encl-6	69-75
14	Delay justification supporting Documents	Encl-7	76-106
15	Auditor Certificate	Encl-8	107-108
16	Revise Cost Estimate	Encl-9	109-113
17	Spares discharge liabilities	Encl-10	114
18	Tariff Forms	Encl-11	115-160
19	Interest Proofs	Encl-12	161-179
20	Tariff Filing Forms (Linked Excel Sheets)	Encl –13	(Soft Copy)
21	Liability Flow statement	Encl-14	180
22	Form-15	Encl-15	181
23	Summary	Encl-16	182
24	Checklist	Encl-17	183

FILED BY
POWER GRID CORPORATION OF INDIA LTD.

Place: Gurugram

DATED: 19.06.2025

REPRESENTED BY

(Signature)

Angaru Naresh Kumar

Dy. General Manager (Commercial)



BEFORE

THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION, NEW DELHI

Petition No. ____ /TT/ ____

IN THE MATTER OF: Petition for determination of tariff under Section 62 read with Section 79 (1) (d) of Electricity Act, 2003 and under the Regulation 15 (1) (a) and Regulation 23 of Central Electricity Regulatory Commission (Conduct of Business) Regulations, 2023 read with Central Electricity Regulatory Commission (Terms and Condition of Tariff Regulations) 2024 for 1x1500 MVA, 765/400 kV ICT (3rd) at Pune(GIS) substation along with associated bays under **"Western Region Expansion Scheme-XXXI"**.

Power Grid Corporation of India Ltd

---PETITIONER

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

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

Vs

Madhya Pradesh Power Management Company Ltd.

---RESPONDENTS

Shakti Bhawan, Rampur

Jabalpur - 482 008

Represented by Its MD

and Others

To

The Secretary

Central Electricity Regulatory Commission

New Delhi 110001

Sir,

The present tariff Petition is filed under Section 79 (1) (d) read with Section 62 of Electricity Act 2003, Regulation 15 (1) (a) and Regulation 23 of Central Electricity Regulatory Commission (Conduct of Business) Regulations, 2023 and Central Electricity Regulatory Commission (Terms and Condition of Tariff Regulations) 2024 for the determination of Transmission tariff from DOCO to 31.03.2029 and same may be pleased to be registered and taken on record by the Hon'ble Commission.

Place: Gurugram

DATED: 19.06.2025

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

REPRESENTED BY

**Angaru Naresh Kumar
Dy. General Manager (Commercial)**



BEFORE
THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION,
NEW DELHI

Petition No. ____ /TT/ ____

IN THE MATTER OF: Petition for determination of tariff under Section 62 read with Section 79 (1) (d) of Electricity Act, 2003 and under the Regulation 15 (1) (a) and Regulation 23 of Central Electricity Regulatory Commission (Conduct of Business) Regulations, 2023 read with Central Electricity Regulatory Commission (Terms and Condition of Tariff Regulations) 2024 for 1x1500 MVA, 765/400 kV ICT (3rd) at Pune(GIS) substation along with associated bays under **“Western Region Expansion Scheme-XXXI”**.

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

MEMO OF PARTIES

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

VERSUS

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- CEPPMSEDCL@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
REPRESENTED BY:

PLACE: Gurugram
DATE: 19.06.2025

Dy. General Manager (Commercial)



BEFORE

THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION, NEW DELHI

Petition No. ____ /TT/ ____

IN THE MATTER OF: Petition for determination of tariff under Section 62 read with Section 79 (1) (d) of Electricity Act, 2003 and under the Regulation 15 (1) (a) and Regulation 23 of Central Electricity Regulatory Commission (Conduct of Business) Regulations, 2023 read with Central Electricity Regulatory Commission (Terms and Condition of Tariff Regulations) 2024 for 1x1500 MVA, 765/400 kV ICT (3rd) at Pune(GIS) substation along with associated bays under “**Western Region Expansion Scheme-XXXI**”.

Power Grid Corporation of India Ltd

---PETITIONER

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

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

Vs

Madhya Pradesh Power Management Company Ltd.

---RESPONDENTS

Shakti Bhawan, Rampur

Jabalpur - 482 008

Represented by Its MD

and Others

MEMO OF APPEARANCE

POWER GRID CORPORATION OF INDIA LTD.

-- PETITIONER

1. Shri Dilip Nagesh Rozekar, Executive Director (Commercial & RC), POWERGRID
2. V.C. Sekhar, Senior General Manager, POWERGRID
3. **Shri Angaru Naresh Kumar, Dy. General Manager, POWERGRID**
4. Shri Vishal Sagar, Deputy General Manager, POWERGRID
5. Shri Arjun Malhotra, Manager (Law), POWERGRID



I, Angaru Naresh Kumar, 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
...19th... day of June 2025.

PETITIONER

POWER GRID CORPORATION OF INDIA LTD.

GURGAON

DATED: 19.06.2025


Angaru Naresh Kumar
Dy. General Manager (Commercial)



BEFORE

THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION, NEW DELHI

Petition No. ____ /TT/ ____

IN THE MATTER OF: Petition for determination of tariff under Section 62 read with Section 79 (1) (d) of Electricity Act, 2003 and under the Regulation 15 (1) (a) and Regulation 23 of Central Electricity Regulatory Commission (Conduct of Business) Regulations, 2023 read with Central Electricity Regulatory Commission (Terms and Condition of Tariff Regulations) 2024 for 1x1500 MVA, 765/400 kV ICT (3rd) at Pune(GIS) substation along with associated bays under “**Western Region Expansion Scheme-XXXI**”.

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

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:

2. POWERGRID is filing the present petition for determination of tariff for the following Assets which have been implemented under "**Western Region Expansion Scheme-XXXI**" for the following:

Asset No	Asset Name	SCOD	DOCO
Asset-1	1x1500 MVA, 765/400 kV ICT (3 rd) at Pune (GIS) substation along with associated bays	27.08.2024	01.04.2025

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

S.No	Event	Date
1.	10 th CMETS-WR meeting, to implement the scheme.	30.08.2022 (Minutes issued on 20.09.2022)
2.	CTUIL vide OM Ref No: C/CTU/AI/00/9 th CCTP has approved the implementation of the above ISTS Transmission Scheme under RTM mode by POWERGRID (implementing agency)	28.11.2022
3.	Investment Approval	10.03.2023
4.	SCOD	27.08.2024
5.	COD	01.04.2025



(v) Summary of Claims:

3. POWERGRID is seeking determination of tariff for aforesaid transmission assets on estimated capital cost comprising of capital cost incurred up to 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 projected additional capital expenditure is as under:

					₹ in Lakhs
Asset No	Approved Cost (FR)	Expenditure Up to DOCO	Projected Expenditure for FY		Estimated Completion Cost
			2025-26	2026-27	
Asset 1	9583	3059.13	6606.32	1140.45	10805.90

5. **Details of Time- Overrun:** There is a time overrun of 216 days in the commissioning of the subject asset. The petitioner is seeking condonation of the delay, attributing it to the non-receipt of continuous outages of existing elements at the Pune Substation, which were required for the erection of indoor GIB, interconnection works, busbar testing, and various other construction activities. A detailed justification for the delay, along with a chronological listing of the events responsible for the delayed commissioning of the asset, is provided in paragraph 17.
6. It is prayed to Hon'ble commission to reimburse expenditure of petition filing fee, license fee, newspaper publication expenses and RLDC fee & charges etc.
7. Details of tariff claimed are as under:

							₹ in Lakhs
Sl. No.	Name of the Asset	2024-25	2025-26	2026-27	2027-28	2028-29	
1	Asset-1	-	1472.37	2066.88	2145.11	2137.11	



B. Detailed Petition:

MOST RESPECTFULLY SHOWETH:

8. 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.
9. POWERGRID being transmission licensee is required to inter-alia build, maintain and operate an efficient, coordinated and economical interstate transmission system (ISTS). 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:

Sl. No	Asset Name	COD
1	1x1500 MVA, 765/400 kV ICT (3 rd) at Pune (GIS) substation along with associated bays	01.04.2025

A. Approval of the Scheme

11. That the petitioner has been entrusted with the implementation of "**Western Region Expansion Scheme-XXXI**". The investment approval of the project was accorded by the CMD of POWERGRID vide Memorandum dated 10.03.2023 at an estimated cost of ₹ 95.83 crores including Interest During Construction (IDC) of ₹ 4.38 crores based on December 2022 price level; a copy whereof is attached hereto as **Encl.-1**.
12. The scheme has been approved in the 10th Consultation Meeting for Evolving Transmission Schemes in Western Region (CMETS-WR) of CTUIL held on 30.08.2022 and the minutes issued on 20.09.2022 vide ref no.: CTU/W/00/10th CMETS-WR.
- Subsequently, CTUIL vide OM Ref No: C/CTU/AI/00/9th CCTP dated 28.11.2022 has conveyed the implementation of the above ISTS Transmission Scheme in line with the MoP office order dated:28.10.2021 under RTM mode by POWERGRID (implementing agency).
- Accordingly, investment approval was accorded vide memorandum dated 10.03.2023 considering implementation schedule as 27th August'2024.



Copy of relevant extracts of 10th CMETS-WR minutes & CTUIL OM of the above meetings are enclosed as **Encl.- 2 & 3** respectively.

13. As per the investment approval dated 10.03.2023, the Subject project was scheduled to be commissioned by August'2024. Against which the subject asset was put under commercial operation as under:

Asset	SCOD	DOCO	Delay (in days)
Asset-1	27.08.2024	01.04.2025	216

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

B. SCOPE OF WORK:

14. The scope of work covered under the project "**Western Region Expansion Scheme- XXXI**" is as follows:

a) Extension of 765/400 kV Pune (GIS) Substation.

765kV side

- i) 765/400 kV, 1500 MVA ICT (3rd) *: 1 no.

400 V side

- i) 400 kV ICT bay (GIS): 1 no.
ii) 765/400 kV, 1500 MVA ICT in existing Bay with GIS bus duct along with associated GIS to AIS termination, Erection hardware is required.

*01 no. of 765 kV ICT bay is available (up to wall of GIS building).

The SLD and DPR extract of the scheme is attached hereto as **Encl. – 4 & 5** respectively.

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 100 Crore or 70% of the cost envisaged in the Investment Approval, whichever is lower, as on the anticipated date of commercial operation”

Unquote

The entire scope of the project has been completed in the instant petition. Accordingly, the instant petition is being filed in compliance with the Regulation 9 of CERC Regulations, 2024.

C. Implementation Schedule

16. CTUIL, vide OM Ref No: C/CTU/AI/00/9th CCTP dated 28.11.2022, has approved the implementation time frame of the above ISTS Transmission Scheme by 27.08.2024. However, efforts may be made to implement the transmission scheme within 18 months from the issuance of the OM by CTUIL, i.e., by 27.05.2024

Accordingly, with investment approval, the project commissioning schedule was kept as 27.08.2024, against which the entire scope in the subject project has been made ready and energized on 30.03.2024 at 00:30 hrs. The trial operation of the instant asset has been completed on load on 31.03.2025 at 00:30 hrs. Thus, DOCO has been declared w.e.f. 01.04.2025, as per the following details: -

Asset	SCOD	DOCO	Delay (in days)
Asset-1	27.08.2024	01.04.2025	216

CEA Energization clearance, GRID-INDIA Charging certificate, CMD certificate for the instant asset are enclosed as **Encl. 6**.

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

17. Reasons for the delay:

The 765/400 kV Pune substation is of GIS type and the extension work was to be carried out in the existing substation. Before termination of GIS equipment and installing new bays, various tests are required to be done because the termination process involves disconnections and connections to the GIS system, which must be done with the power off to ensure safety and prevent accidents. For step-by-step executions of GIS system for extension work requires isolating the system from Grid. In essence, the shutdown is



a crucial safety and operational step in the termination and installation process, ensuring that the work is performed safely and effectively.

Since the GIS extension works consists of multiple assemblies that need to be integrated with the existing system, it requires frequent shutdowns to test each assembly at its rated voltage. Consequently, shutdown requests were made regularly through communication with WRLDC in Pre OCC / during OCC meetings to determine when a substantial shutdown period could be agreed upon by constituents while ensuring grid constraints are met.

For the installation process, shutdowns were requested from WRLDC; however, these requests were frequently deferred due to grid constraints. Below is a detailed chronology of the outage requests along with their corresponding approval dates, which serves to justify the delay:

S. No	OCC	Element	Reason	Shutdown proposed date	Shutdown receipt date	Delay in days	Total Delay	Remarks
1	OCC_585	PUNE-GIS - 400KV - BUS 1	Indoor GIB connection work without conductor Bus #1	09-12-2024	14-02-2025 to 16-02-2025	67	103 (From 09-12-2024 to 22-03-2025)	not considered/in view of multiple outages at same node/parallel corridor.
2	OCC_585	PUNE-GIS - 400KV - BUS 1	Indoor GIB connection work without conductor Bus #1	10-12-2024				
3	OCC_585	PUNE-GIS - 400KV - BUS 1	Indoor GIB connection work without conductor Bus #1	11-12-2024				
4	OCC_586	PUNE-GIS - 400KV - BUS 1	Indoor GIB connection work without conductor Bus #1	03-01-2025 to 05-01-2025				
5	OCC_585	PUNE-GIS - 400KV - BUS 2	Indoor GIB connection work without conductor Bus#2	16-12-2024	10-02-2025 to 12-02-2025	56	96 (From 10-02-2025 to 22-03-2025)	not considered/in view of multiple outages at same node/parallel corridor in the month of Dec-24 & Jan-25.
6	OCC_585	PUNE-GIS - 400KV - BUS 2	Indoor GIB connection work without conductor Bus#2	17-12-2024				
7	OCC_585	PUNE-GIS - 400KV - BUS 2	Indoor GIB connection work without conductor Bus#2	18-12-2024				
8	OCC_586	PUNE-GIS - 400KV - BUS 2	Indoor GIB connection work without conductor Bus#2	09-01-2025 to 11-01-2025				



9	OCC_585	PUNE-GIS - 400KV - BUS 1	HV test and Partial Discharge Measurement	12-12-2024 to 13-12-2024	19-03-2025	97	100 (From 12-12-2025 to 22-03-2025)	not considered/i n view of multiple outages at same node/parallel corridor in the month of Dec'24, Jan-25 & Feb-25.
10	OCC_586	PUNE-GIS - 400KV - BUS 1	HV test and Partial Discharge Measurement	18-01-2025 to 19-01-2025				
11	OCC_585	PUNE-GIS - 400KV - BUS 1	HV test and Partial Discharge Measurement	19-12-2024 to 20-12-2024	18-03-2025	89	93 (From 19-12-2025 to 22-03-2025)	not considered/i n view of multiple outages at same node/parallel corridor in the month of Dec'24, Jan-25 & Feb-25.
12	OCC_586	PUNE-GIS - 400KV - BUS 2	HV test and Partial Discharge Measurement	20-01-2025 to 21-01-2025				
13	OCC_585	PUNE-GIS - 400KV - BUS 1	Indoor GIB connection work with conductor Bus #1 and bus stability	22-12-2024 to 24-12-2024	21-03-2025 to 22-03-2025	89	90 (From 22-12-2025 to 22-03-2025)	not considered/i n view of multiple outages at same node/parallel corridor in the month of Dec'24, Jan-25 & Feb-25.
14	OCC_586	PUNE-GIS - 400KV - BUS 1	Indoor GIB connection work with conductor Bus #1 and bus stability	25-01-2025 to 27-01-2025				
15	OCC_585	PUNE-GIS - 400KV - BUS 2	Indoor GIB connection work with conductor Bus # 2 and bus stability	25-12-2024 to 27-12-2024	10-04-2025 to 11-04-2025	106	106 (From 22-12-2025 to 11-04-2025)	not considered/i n view of multiple outages at same node/parallel corridor in the month of Dec'24, Jan-25, Feb-25 & Mar-25.
16	OCC_586	PUNE-GIS - 400KV - BUS 2	Indoor GIB connection work with conductor Bus # 2 and bus stability	28-01-2025 to 30-01-2025				
17	OCC_586	MAIN BAY - 765KV/400KV PUNE-GIS-ICT-3 AND PUNE-GIS - 765KV - BUS 2 at Pune-GIS - 765KV	Interconnection of outside GIB with spare ICT bay(without internal conductor)	02-01-2025	01-02-2025 to 15-02-2025	30	79 (From 02-01-2025 to 22-03-2025)	not considered/ Discussed in Pre_OCC
18	OCC_586	TIE BAY - 765KV- PUNE-GIS- PADGHE-PG-1 AND 765KV/400KV PUNE-GIS-ICT-3 at pune	Interconnection of outside GIB with spare ICT bay(without internal conductor)	02-01-2025	01-02-2025 to 15-02-2025	30	79 (From 02-01-2025 to 22-03-2025)	



19	OCC_587	MAIN BAY - 765KV/400 KV PUNE-GIS-ICT-3	GIS extension works (For Bus extension-Old Bus to New Bus)	01.02.2025	15.02.2025	15	15 (from 01.02.2025 to 15.02.2025)	not considered/i n view of multiple outages at same node/parallel corridor in the month of Dec'24, Jan-25, Feb-25 & Mar-25.
20	OCC_587	MAIN BAY - 765KV/400 KV PUNE-GIS-ICT-3	GIS extension works (For Bus extension-Old Bus to New Bus)	03.02.2025	27.02.2025	25	25 (from 03.02.2025 to 25.02.2025)	not considered/i n view of multiple outages at same node/parallel corridor in the month of Dec'24, Jan-25, Feb-25 & Mar-25.
21	OCC_588	MAIN BAY - 765KV/400 KV PUNE-GIS-ICT-3	Tie baq LBB testing	01.03.2025	01.03.2025	1	1	not considered/ Discussed in Pre_OCC
22	OCC_588	PUNE GIS 400 KV Bus-1	GIS extension works (For Bus extension-Old Bus to New Bus) & GIS module alignment	22.03.2025	24.03.2025	2	2	not considered/ Discussed in Pre_OCC

"In light of the reasons explained above and the enclosed documentation, it is respectfully submitted that the delay in commissioning of the Project is not attributable to the Petitioner. Accordingly, it is prayed that the Hon'ble Commission may kindly consider the unforeseen events encountered during commissioning, condone the entire delay, and approve the tariff as claimed in the petition. The supporting documents related to the events detailed in the chronology above have been enclosed as **Encl-7**.

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 the 2024-29 period. The capital cost incurred up to DOCO and projected to be incurred during 2024-25, 2025-26, is duly certified in Auditor Certificate. Copy of the said Auditor Certificate(s) is enclosed and marked as **Encl-8**.



					₹ in Lakhs
Asset No	Approved Cost (FR)	Expenditure Up to DOCO	Projected Expenditure for FY		Estimated Completion Cost
			2025-26	2026-27	
Asset 1	9583	3044.17	6606.32	1140.45	10790.94

Hence, it may be seen from the above that against the approved cost of ₹ 9583.00 Lakhs as per FR, the estimated completion cost is ₹10790.94 Lakhs. There is cost overrun w.r.t FR. The Revised cost estimate (RCE) of the subject project has already been approved by the board of POWERGRID vide Memorandum ref: C/CP/PA2425-12-) 0U-RCE020, dt: 21.03.2025 with revised cost of Rs 123.75 Cr including IDC of Rs 1.98 Cr. The copy of RCE is enclosed as **Encl-9**.

Revised Cost Estimate

Revised Cost Estimate of the project works out to Rs. 123.75 crore as per details below:

(in Rs. cr)

Cost Break up	Approved DPR/ IA Cost (A)	RCE Cost (B)	Variation (B) - (A)
Cost (excl. IEDC/IDC)	80.39	111.23	30.84
IEDC incl. contingencies	11.06	10.54	(-) 0.52
IDC	4.38	1.98	(-) 2.40
Total	95.83	123.75	27.92 (29.13 %)

A. Comparison of Revised Cost Estimate with Approved Cost

The Revised Cost Estimate (RCE) has been prepared considering the increase in asset costs relative to the actual awarded cost, as well as the applicable taxes and duties, which depend on competitive bidding during the award process. In preparing the RCE, various factors have been taken into account, including contingencies, price variations due to changes in indices, and adjustments in Interest During Construction (IDC) & Incidental Expenditure During Construction (IEDC). Therefore, the actual cost may differ from both the RCE and the approved FR cost.

In this case, until the Date of Commercial Operation (DOCO), the majority of costs are finalized, and liabilities under the current contract are projected in the additional



capitalization years up to the cut-off date. These projected costs are turning out to be lower than the Revised Cost Estimate (RCE). Below are the details of the cost comparison with respect to the FR cost and the actual cost:

Cost variation:

The variation between estimated completion cost vis-à-vis approved cost for the Assets covered under instant petition are given as hereunder:

₹ in Lakhs

Asset No.	Approved Cost as per FR (a)	Estimated completion Cost (b)	Cost Variation (d=b-a)
Asset-1	9583.00	10790.94	1207.94

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

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

In Cr

Cost Break up	Approved DPR/ IA Cost (A)	Actual Cost (B)	Variation (B) - (A)
Cost (excl. IEDC/IDC)	80.39	103.37	22.98
IEDC incl. contingencies	11.06	3.98	(-)7.07
IDC	4.38	0.54	(-)3.83
Total	95.83	107.90	12.07

B. Reasons for Variation in Cost Estimate

It may be seen from the above table that there is a variation of 12.07 crore (i.e. 12.59 %) from the approved cost of Rs. 95.83 crore. The head wise variation in cost is explained hereunder:

C. Cost Variation (CV) due to award and PV (Net increase of Rs. 22.98 crore: 28.58 %)

Cost variation in the Substation equipment including initial spares and civil works (Increase of ₹ 22.98 Cr): There has been an increase in the cost of the project by Rs. 22.98 crore on this account, which works out to 28.58 % of the approved cost as per the details given hereunder.

It may be seen from the above table that out of the total cost of ICT variation of Rs. 22.98 crore has been incurred from time of Investment approval of project till award



of contract (DPR to LOA) for approved scope based on prices received as per transparent competitive bidding process.

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 an 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 a broad indicative cost worked out generally on the basis of average unit rates of recently awarded contracts as a general practice. It is submitted that the cost estimate of the project was prepared on the basis of December' 2022 price level.

Further, regarding variation in cost of individual item in Substation packages, it is submitted that the packages under subject scope of works comprise of a large no. of items and the same are awarded through open competitive bidding. In the said bidding process, bids are received from multiple parties quoting different rates for various BOQ items under the said package. Further, the lowest bidder can be arrived at/evaluated on overall basis only. Hence, item-wise unit prices in contracts and its variation over unit rate considered in FR estimates are beyond the control of the petitioner.

On detailed examination, it may further be seen that the variation of Rs 22.98 Crore has occurred in the cost of 1500 MVA, 765/400/ ICT from DPR cost to LOA cost as per below.

Description	Amount in Rs Crore excluding PV		
	As per DPR (Dec'22 Price level) =A	As per Contract Agreement =B	Variation =(B-A)
1x1500 MVA, 765/400 kV ICT (3 rd) at Pune (GIS) substation along with associated bays	44.75	67.73	22.98

D. Variation in IEDC and IDC (Net decrease of Rs. 10.90 crore: (-) 70.64 %)

Total IDC and IEDC under the project have decreased by Rs. 10.90 crore in comparison to approved cost, which works out to (-) 70.64 % as per the following break-up-



d.1 Decrease in IEDC incl. contingency

As per the investment approval, the IEDC including contingencies for the project was estimated at Rs. 11.06 Crore on total DOCO cost (i.e. IEDC 10.75% & contingency 3% on total DOCO cost) whereas on the basis of actual expenditure, IEDC incl. contingencies works out to Rs.3.98 Crore.

d.2 Decrease in IDC

Interest during Construction (IDC) for the project as per approved DPR cost was estimated at Rs. 4.38 crore whereas based on the actual funds flow, the IDC for the project in actual works out to Rs. 0.54 crore. Thus, there is a decrease of Rs. 3.83 crore in IDC.

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

DETAILS OF THE INITIAL SPARES:

19. The Initial spares for the Assets have been calculated as per Regulation 23(d) of the Tariff Regulations, 2024 which provides as under:

“23. Initial Spares: Initial spares shall be capitalized as a percentage of the Plant and Machinery cost, subject to following ceiling norms:

.....

(d) Transmission system

(i) Transmission line - 1.00%

(ii) Transmission Sub-station

- Green Field- 4.00%

- Brown Field- 6.00%

(iii) Series Compensation devices and HVDC Station- 4.00%

(iv) Gas Insulated Sub-station (GIS)

- Green Field-5.00%

- Brown Field-7.00%

(v) Communication system - 3.50%

(vi) Static Synchronous Compensator - 6.00%

.....

Provided that:



(i) *Plant and Machinery cost shall be considered as the original project cost excluding IDC, IEDC, Land Cost and Cost of Civil Works. The generating company and the transmission licensee, for the purpose of estimating Plant and Machinery Costs, shall submit the break-up of head-wise IDC and IEDC in its tariff application*

.....

20. Considering the aforesaid Regulation, the initial spares are calculated as under:

(₹ in Lakhs)

Asset	Parts	Plant and Machinery cost for calculation of initial spares (A)	Initial Spares Claimed	Ceiling Limit	Initial Spares Worked out	Excess
			(B)	(C)	$D = [(A-B) * C / (100-C)]$	[B-D] If B>D
Asset- 1	GIS (Brown field)	10310.61	387.89	7%	746.871	Nil

It is submitted that the Initial spares for the instant project are within the specified limit under Regulation 23 of the Tariff Regulations, 2024.

Further, it may be mentioned that in the Auditor Certificate, initial spares discharged upto DOCO are included in DOCO cost, whereas initial spares discharged after DOCO are included in the ADD-CAP expenditure of the respective year.

Therefore, it is prayed to this Hon'ble Central Commission to allow the initial spares as claimed in the present petition.

Initial spares discharge details are enclosed at **Encl-10**.

DETAILS OF THE ADDITIONAL CAPITALIZATION

21. 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 Anticipated 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.

Add cap for 2024-29 block:

Asset	Add cap detail (₹ in Lakhs)			
	2025-26	2026-27	2027-28	2028-29
Asset-1	6606.32	1140.45	-	-
	Claimed under regulation 24(1)(a) & 24(1)(b)			



TRANSMISSION TARIFF for 2024-29 BLOCK:

22. 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.

Calculations for working out the tariff for the asset are tabulated below:

The details of actual expenditure upto DOCO and add-cap are summarized below: -

Expenditure	Building and Civil Works	Trans. Lines	Substation	PLCC	IT	Total
As per auditor certificate (upto DOCO)	8.37	0.00	2904.92	0.00	130.88	3044.17
Less: Accrual IDC upto DOCO	0.00	0.00	0.00	0.00	0.00	0.00
Add Notional IDC up to DOCO*	0.04	0.00	14.28	0.00	0.64	14.96
Exp. Upto DOCO excluding accrual IDC	8.41	0.00	2919.20	0.00	131.52	3059.13
Expenditure 2025-26 as per auditor certificate	5	0	6593.03	0	8.29	6606.32
Add: Accrual IDC discharged during 2025-26	0.00	0.00	0.00	0.00	0.00	0
Total Add-cap in 2025-26	5.00	0.00	6593.03	0.00	8.29	6606.32
Est. Expenditure 2026-27 as per auditor certificate	15.00	0.00	1111.65	0.00	13.80	1140.45
Add: Accrual IDC discharged during 2024-25	0.00	0.00	0.00	0.00	0.00	0.00
Total Add-cap in 2026-27	15.00	0.00	1111.65	0.00	13.80	1140.45
Estimated Add-cap 2027-28	0	0	0	0	0	0
Estimated Add-cap 2028-29	0	0	0	0	0	0
Total estimated completion cost	28.41	0.00	10623.88	0.00	153.61	10805.90

**Cost includes notional IDC of Rs.14.96 Lakhs claimed as per Regulation 19 (2) (b) and 21 (1) of CERC tariff Regulations, 2024.*

23. 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 and the Calculations for working out the tariff along with supporting documentation are attached hereto as **Encl-11 A & 11 B**.

24. Further, for the instant asset, details of accrual IDC as considered under add cap during the year of discharge is tabulated below:

DOCO	IDC as per certificate	Notional IDC	IDC Discharged upto DOCO	IDC to be discharged during	
				2025-26	2026-27
01.04.2025	54.52	14.96	69.48	0	0

25. The Hon'ble Commission is requested to kindly allow the IDC on the basis of cash out flow.

26. In respect of IDC calculation, it is submitted that the IDC statement showing details of loans deployed along with the interest rates has been submitted along with the petition. For the purpose of supporting documents for rate of interest, the interest rate proof for loans deployed in the subject asset is enclosed as **Encl-12**.

27. It is submitted that the entire amount of IEDC for the instant asset has been discharged as on DOCO.

28. The transmission tariff has been calculated based on audited cost to be discharged thereafter. The Auditor certificate and calculations for working out the tariff along with supporting documentation are enclosed as **Encl-13**. The annual transmission tariff for the tariff period 2024-29 is summarized as below:

(Rs in lakhs)						
Sl. No.	Asset	2024-25	2025-26	2026-27	2027-28	2028-29
1	Asset-1	-	1472.37	2066.88	2145.11	2137.11

29. 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.

30. 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 7 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.
31. 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.
32. The transmission charges at para-28 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, b & c) of the tariff regulations for block 2024-29 but excludes security expenses, Insurance and capital spares as provided in the Regulation.

33. 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 no. 260/MP/2020 was filed before Hon'ble Commission for claiming the overall Security Expenses and consequential Interest on Working Capital (IOWC) on the same wherein it was proposed to consider actual Security Expense incurred by the Petitioner for the F/Y 2023-24 after escalating the same at 5.25% per annum and estimated additional Security Expenses for new sub-stations to be commissioned in future, for arriving at the Estimated Security Expense for the year 2024-25, 2025-26, 2026-27, 2027-28 and 2028-29. Hon'ble Commission vide order dated 03.08.2021 allowed the petitioner to recover the estimated Security Expenses from beneficiaries as per provisions of 2020 Sharing Regulations. The difference, if any, between the Estimated Security Expenses and Actual Security Expenses calculated as per audited accounts, on year to year basis may be allowed to recover/refund from beneficiaries.

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 expenses incurred by the Petitioner for the F/Y 2023-24 after escalating the same at 5.25% per for arriving at the Estimated Insurance Expense for the year 2024-25, 2025-26, 2026-27, 2027-28 and 2028-29.

Capital Spare:

With regard to Capital Spares, the Petitioner has filed a separate Petition bearing No 45/MP/2024 for claiming the same under Tariff Regulations 2019. Further, as per Tariff Regulations, 2024, Capital spares consumes and consequential Interest on Working Capital (IOWC) on the same shall be claimed by the Petitioner at the end of tariff block 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 in a separate petition along with all other assets.

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

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

35. 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.
36. The Transmission Charges and other related Charges indicated at para 7 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

37. Tariff for Transmission of Electricity (Annual Fixed Cost) for 2024-29 as per above para shall be recovered on monthly basis and same shall be borne by MSETCL from assets COD, i.e., 30.09.2024 to till COD of downstream transmission system. The billing, collection and disbursement of the transmission charges after COD of downstream transmission system 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 accordance with the Central Electricity Regulatory Commission (Sharing of Inter State Transmission Charges and Losses) Regulations, 2020 or as amended from time to time.
38. 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 Encl.-1 to Encl.-7 may please be treated as an integral part of this petition.**

E. PRAYER

39. It is respectfully prayed that the Hon'ble Commission may be pleased to
- a) Approve the DOCO as claimed in the instant petition.
 - b) Condone the delay in completion of subject assets on merit of the same being out of the control of Petitioner in line with CERC Regulations'2024 22(2) "uncontrollable factors" and approve the tariff as claimed.
 - c) Admit the capital cost as claimed in the Petition and approve the Additional Capitalization incurred / projected to be incurred.
 - d) Approve the Transmission Tariff for the tariff block 2024-29 block for the asset covered under this petition, as per para –28 above.
 - e) 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 -29 above for respective block.

- f) 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.
- g) 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.
- h) 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.
- i) Allow the petitioner to claim the overall security expenses and consequential IOWC on that security expenses as mentioned at para 34 above.
- j) Allow the petitioner to claim the insurance expenses and consequential IOWC on that insurance expenses as mentioned at para 34 above.
- k) Allow the petitioner to claim the capital spares consumed at the end of tariff block as per actual at para 34 above.
- l) Allow the petitioner to claim expenses of CTUIL borne by POWERGRID through a separate petition on year to year/ at the end of tariff block as mentioned at para 35 above.
- m) 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.



- n) 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.

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

GURGAON

DATED: 19.06.2025

FILED BY
POWER GRID CORPORATION OF INDIA LTD.

REPRESENTED BY

Angaru Naresh Kumar
Dy. General Manager (COMMERCIAL)



BEFORE

THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION, NEW DELHI

Petition No. ____ /TT/ ____

IN THE MATTER OF: Petition for determination of tariff under Section 62 read with Section 79 (1) (d) of Electricity Act, 2003 and under the Regulation 15 (1) (a) and Regulation 23 of Central Electricity Regulatory Commission (Conduct of Business) Regulations, 2023 read with Central Electricity Regulatory Commission (Terms and Condition of Tariff Regulations) 2024 for 1x1500 MVA, 765/400 kV ICT (3rd) at Pune(GIS) substation along with associated bays under “**Western Region Expansion Scheme-XXXI**”.

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

---RESPONDENTS

and Others

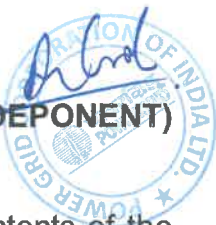
AFFIDAVIT VERIFYING THE PETITION

I, Angaru Naresh Kumar, S/O Late Sh. Angaru Yanadi, working as Dy. 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 Dy. 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 1 to 40 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 1 to 40 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 19th day of June' 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
33



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 / DILIP ROZEKAR

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)



33A



पावरग्रिड
POWERGRID

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

LETTER OF AUTHORISATION

Ref: CC/COMML/POA/LOA/2025-01

Date: 24.01.2025

In reference to the POWER OF ATTORNEY dated 14.08.2024 I hereby authorize Sh. Naresh Kumar Angaru, Deputy General Manager (Commercial) 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.

Dilip Nagesh Rozekar

Executive Director (Commercial & RC)

दिलीप रोजेकर / DILIP ROZEKAR
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)



33B

केन्द्रीय कार्यालय : "सौदामिनी", प्लॉट नं. 2, सेक्टर-29, गुरुग्राम-122001, (हरियाणा), दूरभाष : 0124-2822012

Corporate Office : "Saudamini", Plot No. 2, Sector-29, Gurugram-122001, (Haryana), Tel.: 0124-2822012

जोड़ित कार्यालय : बी-8, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली - 110 016 दूरभाष : 011-26560112, 26560115, 26560193, सीआईएन : L40101DL1989GOI038121

Registered Office : B-8, Qutab Institutional Area, Katwaria Sarai, New Delhi-110 016 दूरभाष : 011-26560112, 26560115, 26560193, CIN : L40101DL1989GOI038121

MEMORANDUM

SUB: INVESTMENT APPROVAL FOR "Western Region Expansion Scheme- XXXI (WRES-XXXI) - Part C"

Investment approval for "Western Region Expansion Scheme- XXXI (WRES-XXXI) - Part C" has been accorded by CMD on 8th March, 2023 as per the details given below:

1. SCOPE OF PROJECT

Broad Scope of works:

Extension of 765/400 kV Pune (GIS) Substation

• 765 kV side

i. 765/400kV, 1500 MVA ICT (3rd)* : 1 no.

• 400 kV Side

i. 400 kV ICT bay (GIS) : 1 no.

ii. 765/400 kV, 1500 MVA ICT in existing Bay with GIS bus duct along with associated GIS to AIS termination, Erection hardware are required.

*01 no of 765 kV ICT Bay is available (up to wall of GIS Building).

2. PROJECT COST & FUNDING

The estimated cost of the project based on December, 2022 price level is ₹95.83 crore including IDC of ₹4.38 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 Borrowings (ECBs) etc. and equity component through internal resources.

3. COMMISSIONING SCHEDULE

The project is scheduled to be commissioned by 27.08.2024*.

(*Best efforts to be made to implement the transmission scheme by 27.05.2024)

(A. Jagannath Rao)
CGM (CP)

Annexure – I

ABSTRACT COST ESTIMATE		
Western Region Expansion Scheme- XXXI (WRES-XXXI) - Part C		
(December 2022 Price Level)		
Sl. No.	DESCRIPTION	AMOUNT (Rs. in crore)
A	Civil Works	
	i) Infrastructure for substations	0.20
B	Equipment Cost	
	a) Sub-Stations	80.19
C	Sub Total (A TO B)	80.39
D	Incidental Expenditure During construction (IEDC) @ 10.75% of C	8.64
E	Contingencies @ 3% of C	2.41
	Sub Total (A TO E)	91.45
F	Interest During Construction (IDC)	4.38
	GRAND TOTAL	95.83

170



[Handwritten signature]

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)
10/03/23



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:

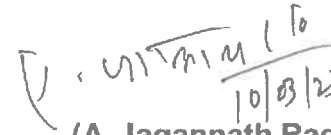
ED : CMG / Engg.- SS, TL, Civil, CE / CS & MM / GA&C, ERP & IT Cell/ HR/ Law, RB & Corp. Comm/ Commercial & RC/ AM, NTAMC & Safety Cell / Engg-HVDC, QA&I & FQA/ IB, BDD & JV/ ESMD & CSR/ Finance/ CTUIL/ WRTS-I

Chief GM : Admin-IR/ HRD

Company Secretary

For kind information of:

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


10/03/23
(A. Jagannath Rao)
CGM (CP)



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: CTU/W/00/10th CMETS-WR

Date: 20.09.2022

As per distribution list

Subject: Minutes of the 10th Consultation Meeting for Evolving Transmission Schemes in Western Region (CMETS-WR) held on 30.08.2022 – reg.

Dear Sir,

Please find enclosed the minutes of 10th Consultation Meeting for Evolving Transmission Schemes in Western Region (CMETS-WR) held on 30.08.2022 through video conferencing.

The minutes are also available at our website ([>> www.ctuil.in >> ISTS Planning and Coordination >> Consultation Meetings for ISTS](http://www.ctuil.in)).

Thanking you,

Yours faithfully,



(Partha Sarathi Das)
Sr. General Manager

Encl.: As above



Distribution List:

1. Chief Engineer (PSP&A – I) Central Electricity Authority Sewa Bhawan, R.K.Puram, New Delhi-110 066.	2. Director (Transmission/GEC) Ministry of New and Renewable Energy, Block 14, CGO Complex, Lodhi Road, New Delhi-110003
3. Member Secretary Western Regional Power Committee MIDC area, Marol, Andheri East, Mumbai 400 093	4. Director (Power System) Solar Energy Corporation of India Ltd. D-3, 1 st Floor, A wing, Religare Building, District Centre, Saket, New Delhi-110017
5. Managing Director Gujarat Energy Transmission Corp. Ltd, Sardar Patel Vidyut Bhawan, Race Course, Vadodara -390 007	6. Director (Operation) Maharashtra State Electricity Transmission Co. Ltd., 4 th Floor, "Prakashganga", Plot No. C-19, E-Block, Bandra – Kurla Complex, Bandra(East), Mumbai- 400051
7. Managing Director Chhattisgarh State Power Transmission Co. Ltd., Dangania, Raipur- 492 013	8. Chairman & Managing Director Madhya Pradesh Power Transmission Co. Ltd., Block No. 3, Shakti Bhawan, Rampur, Jabalpur-482 008
9. Executive Engineer Administration of Union Territory of Dadra & Nagar Haveli and Daman & Diu Secretariat, Moti Daman - 395 220	10. The Chief Engineer Electricity Department The Government of Goa, Panaji
11. Executive Director Western Regional Load Despatch Centre F-3, M.I.D.C. Area, Marol, Andheri East, Mumbai-400 093	12. Director (SO) POSOCO 9 th Floor, IFCI Towers, 61, Nehru Place, New Delhi - 110019



Applicants

1. Vice President VEH JAYIN RENEWABLES PRIVATE LIMITED Plot No: 38, Phase-2, 1st Floor, N-Heights, Hitech City, Siddiq Nagar, Hyderabad- 500081, Telangana Mob. 9623470996 Email: cgvik@vibrantenergyholdings.com hjinaga@vibrantenergyholdings.com	2. DGM NTPC RENEWABLE ENERGY LIMITED PLOT-A-8A; NTPC LIMITED; ENGINEERING OFFICE COMPLEX, SECTOR-24, Noida, UP Mob. 9650997835 Email: amanna@ntpc.co.in ssmishra@ntpc.co.in
3. DGM- Business Development Sprng Vayu Vidyut Private Limited Off A-001, Upper Ground, P-5, Pentagon Tower Magarpatta City, Hadapsar, Pune- Maharashtra-411013 sumitjoge@sprngenergy.com avinashmiraikar@sprngenergy.com	4. AVP Reliance Industries Ltd. Village Mora, PO Bhatha, Surat, Hazira Road, Gujarat Mob. 7977624751 Email: mukesh.rathod@ril.com ashok3.singh@ril.com
5. AVP (Head-Projects) BALCO Cosmos Building, BALCO Nagar, Korba, Chhattisgarh Devendra.patel@vedanta.co.in nitinkumar.gupta@vedanta.co.in md.zeyanddin@vedanta.co.in	6. Manager ABC SOLAR (INDIA) PRIVATE LIMITED Plot No. 47, 48, 49, Street No. 1, 2nd Avenue, Patrika Nagar, Madhapur, Seri Lingampalli (M), Rangareddi, Hyderabad, TG-500081 ksharma@brookfieldrenewable.in pkanauija@brookfieldrenewable.in
7. AVP ACME SOLAR HOLDINGS PRIVATE LIMITED Plot No.: 152 Sector 44, Gurugram-122002 Mob. 8744060601 Email: yogesh@acme.in apradhan@acme.in	8. Authorized Signatory Project Ten Renewable Power Pvt. Ltd. S2904, 29 TH Floor, World Trade Centre, Brigade Gateway Campus Karnataka Email: narayanan@ayanapower.com ananth@ayanapower.com
9. General Manager Green Infra Wind Energy Ltd. Building No. 8, DLF Cyber City Gurugram- Haryana Email: ankur.rajan@sembcorp.com pawan.sharma@sembcorp.com	10. Manager Azure Power India Pvt Ltd. 5 th Floor, southern Park, D-II, Saket Place Delhi Email: wind.pd@azurepower.com shashank.gupta@azurepower.com

Other Invitee(s):

11. Director (Projects)

Power Grid Corporation of India Ltd.
"Saudamini", Plot No. 2, Sector 29, Gurgaon
- 122001
achoudhary@powergrid.in
deepak.consul@powergrid.in



Minutes of the 10th Consultation Meeting for Evolving Transmission Schemes in Western Region (CMETS-WR) held on 30.08.2022

The 10th Consultation Meeting for Evolving Transmission Schemes in Western Region (CMETS-WR) was held on 30.08.2022. List of participants is enclosed at **Annexure-VII**. Sr. GM (CTU) welcomed the participants. Thereafter, deliberations as per the agenda commenced and the gist of deliberations are as given below.

1.0 Confirmation of Minutes of the previous meeting

The minutes of the 9th Consultation Meeting for Evolving Transmission Schemes in Western Region (CMETS-WR) held on 28.07.2022 were issued vide letter dated 24.08.2022. As no comments were received, the same were confirmed as circulated.

A. Application related matters in Western Region

2.0 Proposal for grant of Connectivity to various RE applicants in Western Region

Stage-I Connectivity

- 2.1 It was informed that the details of Stage-I connectivity applications received in the month of Jul'22 along with proposal for grant of Stage-I connectivity is as given below:

Sl.	Stage-I Application No	Name of Applicant (Organization)	Applicant Type	Stage-I Conn Quantum (MW)	Connectivity required from	ISTS Substation at which connectivity is proposed	Proposed Dedicated Transmission System for Stage-I connectivity (under scope of applicant)
1.	0130700002	NTPC Renewable Energy Limited	Generator (Solar)	300	01.10.2023	765/400/220kV (Existing) Bhuj PS	NTPC REL (Kharadiya) – Bhuj PS 220kV S/c line
2.	0130700003	NTPC Renewable Energy Limited	Generator (Wind)	150	30.04.2023	765/400/220kV (Existing) Bhuj PS	- Interconnection of NTPC REL wind project to Pooling station of Inox Green Energy Services Limited (IGESL) (300MW), (existing) - IGESL (Dayapar) - Bhuj PS 220kV D/c line (with minimum capacity of 776MW at nominal voltage)-



b) Western Region Expansion Scheme XXXI (WRES-XXXI): Part B (i) Augmentation of transformation capacity at Padghe (GIS) 765/400 kV substation by 1x1500 MVA ICT (4th) Note: • Implementation Time-frame shall be 18 months from allocation to implementing agency	CEA stated that the 4th ICT at Padghe(PG)(GIS) may be required only after commissioning of Khavda (Ph-II) scheme as well as 3rd 765/400kV ICT at Padghe(PG)(GIS). MSETCL stated that the scheme shall be required in 2026-27 time-frame. After deliberations, the scheme was in-principally agreed. However, implementation of the scheme was agreed to be reviewed after commissioning of 3rd 765/400kV ICT at Padghe(PG)(GIS) based on loading of ICTs at Padghe(PG)(GIS).
c) Western Region Expansion Scheme XXXI (WRES-XXXI): Part C (i) Augmentation of transformation capacity at Pune (GIS) 765/400 kV substation by 1x1500 MVA ICT (3rd) Note: • Implementation Time-frame shall be 18 months from allocation to implementing agency	POSOCO stated that the constraints on Pune(PG)(GIS) 765/400kV ICTs have been reported in operational feedback reports of NLDC; hence the 3rd ICT may be taken up immediately. After deliberations, it was agreed to implement the scheme as per details given along-side.
Under Intra-state	
(i) Splitting of 400/220kV Kalwa S/s as per following arrangement:	MSETCL stated that the scheme has already been approved by their Board



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.: C/CTU/AI/00/9th CCTP

28th November 2022

OFFICE MEMORANDUM

Sub: Inter-State Transmission Schemes (costing up to Rs.100 Cr.) to be taken up for implementation under Regulated Tariff Mechanism (RTM).

The undersigned is directed to inform that CTU has approved the implementation of the following ISTS costing less than or equal to Rs.100 Cr. in line with the MoP office order dated 28.10.2021 under the Regulated Tariff Mechanism (RTM) mode by the implementing agencies as indicated in the table below:

Sl.	Name of scheme	Implementing Agency
Western Region		
1.	Implementation of 1 no. 220kV line bay at Bhuj PS for providing Connectivity to M/s NTPC Renewable Energy Ltd. (300MW)	Power Grid Corporation of India Ltd.
2.	Transmission System for providing connectivity to M/s VEH Jayin Renewables Pvt. Ltd. at Rajgarh (PG) S/s	Power Grid Corporation of India Ltd.
3.	Western Region Expansion Scheme XXXI (WRES-XXXI): Part C	Power Grid Corporation of India Ltd.
4.	Western Region Expansion Scheme XXXIII (WRES-XXXIII): Part D	Power Grid Corporation of India Ltd.
Northern Region		
5.	Implementation of 2 nos. of 220 kV line bays at 400/220 kV Panchkula (Barwala) (PG) S/s for interconnection with 220 kV Dera Bassi S/s.	Power Grid Corporation of India Ltd.
6.	Replacement of 1x315 MVA 400/220kV ICT (ICT-1) at 400/220 kV Ludhiana (PG) S/s with 1x500 MVA 400/220kV ICT	Power Grid Corporation of India Ltd.
7.	Replacement of 1x250 MVA, 400/220 kV ICT at 765/400/220 kV Moga (PG) S/s with 1x500 MVA 400/220kV ICT along with associated works at 220kV level.	Power Grid Corporation of India Ltd.
8.	Augmentation of Transformation Capacity by 1x500 MVA, 400/220kV ICT (3rd) at 400/220 kV Patran (GIS) S/s	Patran Transmission Company Ltd. (PTCL) (a subsidiary of India Grid Trust)
9.	Implementation of 1 no. of 220 kV line bay at 400/220kV Bikaner-II PS for interconnection of solar project (M/s NHPC Ltd.):	POWERGRID Bikaner Transmission System Ltd. (a subsidiary of Power Grid Corporation of India Ltd. [erstwhile known as Bikaner-II Bhiwadi Transco Ltd.]



Eastern Region		
10.	Eastern Region Expansion Scheme-XXX (ERES-XXX)	Power Grid Corporation of India Ltd.
11.	Eastern Region Expansion Scheme-XXXIII (ERES-XXXIII)	Power Grid Corporation of India Ltd.
North Eastern Region		
12.	North Eastern Region Expansion Scheme-XVIII (NERES-XVIII)	Power Grid Corporation of India Ltd.
13.	North Eastern Region Expansion Scheme-XX (NERES-XX)	Power Grid Corporation of India Ltd.
Southern Region		
14.	Implementation of 1 no. 400kV line bay at Kurnool New S/s for providing Connectivity to M/s Greenko AP01 IREP Pvt. Ltd. (2 nd 400kV line bay for M/s Greenko)	Power Grid Corporation of India Ltd.

The detailed scope of works for the above transmission schemes, as approved by CTU is given at **Annexure-I**.

Implementing agencies shall enter into a concession agreement with CTU for the implementation of the above-mentioned schemes through the Regulated Tariff Mechanism (RTM).

This issues with the approval of Competent Authority.


 28/11/22
 (Jasbir Singh)
 Chief General Manager

Encl: as stated.



To:

1. The Chairman & Managing Director Power Grid Corporation of India Ltd., Saudamini, Plot No. 2, Sector-29, Gurgaon- 122 001	2. Shri Lokendra Singh Ranawat Head (Regulatory) Patran Transmission Company Ltd., (PTCL) (a subsidiary of India Grid Trust) Unit No. 101, First Floor, Windsor, Village Kolkalyan, off CST Road, Vidyanagari Marg, Kalina, Santacruz (East), Mumbai – 400 098
--	--

Copy to:

1. Shri Ishan Sharan Chief Engineer & Member Secretary (NCT) Central Electricity Authority Sewa Bhawan, R. K. Puram, New Delhi-110 066.	2. Shri Goutam Ghosh Director (Trans) Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi 110 001
---	---



Western Region**1. Implementation of 1 no. 220kV line bay at Bhuj PS for providing Connectivity to M/s NTPC Renewable Energy Ltd. (300MW)**

Sl.	Scope of the Transmission Scheme	Capacity /km	Implementation Timeframe.
1	1 no. 220kV line bay at Bhuj PS associated with M/s NTPC Renewable Energy Ltd. (300MW)	220kV line bay: 1 no.	15 months from the date of issue of OM by CTUIL (refer Note a).
Total Estimated Cost:			INR 5.84 Crore

Note:

- a. Best efforts shall be carried out to implement the transmission scheme within 12 months from the issue of OM by CTUIL.

2. Transmission System for providing connectivity to M/s VEH Jayin Renewables Pvt. Ltd. at Rajgarh (PG) S/s

Sl.	Scope of the Transmission Scheme	Capacity /km	Implementation Timeframe.
1.	220kV bus extension (GIS) of Rajgarh 400/220 kV (PG) S/s along with 220kV Bus Coupler bay for extended bus.	- Bus Extension along with 220kV Bus coupler bay- 1 no. using GIS - Space provision in 220kV GIS Hall for accommodating 5 nos. 220kV future bays	21 months from the issue of OM by CTUIL.
2.	220kV bus sectionaliser bay (GIS) between existing & extended 220 kV bus of Rajgarh S/s.	220kV Bus Sectionaliser – 1 set (GIS)	
3.	220kV GIS line bay at Rajgarh 400/220 kV (PG) S/s (on extended bus) for RE interconnection.	220kV line bay: 1 no. (GIS) along with 220kV Bus Duct for Bus Extension (AIS to GIS building)	
Total Estimated Cost:			INR 29.33 Crore

3. Western Region Expansion Scheme XXXI (WRES-XXXI): Part C

Sl.	Scope of the Transmission Scheme	Capacity /km	Implementation Timeframe.
1.	Augmentation of transformation capacity at Pune (GIS) 765/400	765/400 kV, 1500 MVA ICT – 1 no.	21 months from the issue of OM by CTUIL (refer note-a)



Sl.	Scope of the Transmission Scheme	Capacity /km	Implementation Timeframe.
	kV substation by 1x1500 MVA ICT (3rd)	400 kV ICT bay (GIS) – 1 no. 765/400kV, 1500MVA ICT in existing bay with GIS bus duct along with associated GIS to AIS termination, Erection hardware are required.	
Total Estimated Cost:			INR 86.01 Crore

Note:

- Best efforts shall be carried out to implement the transmission scheme within 18 months from the issue of OM by CTUIL.
- 1 no. 765kV ICT bay is available (up to wall of GIS building)

4. Western Region Expansion Scheme XXXIII (WRES-XXXIII): Part D

Sl.	Scope of the Transmission Scheme	Capacity /km	Implementation Timeframe.
1.	Installation of 1x500 MVA, 400/220 kV ICT (4 th) along with associated ICT bays at Satna(PG)	400/220 kV, 500 MVA ICT – 1 no. 400 kV ICT bay – 1 no. 220 kV ICT bay – 1 no. (includes 220kV Cable interconnection for 220kV side of ICT)	18 months from the issue of OM by CTUIL
2.	2 No. of 220kV line bays at Satna for LILO of Satna 220kV - Maihar 220kV line at Satna (PG) S/s	220kV line bay – 2 nos.	
Total Estimated Cost:			INR 77.52 Crore

Northern Region

5. Implementation of 2 nos. of 220 kV line bays at 400/220 kV Panchkula (Barwala) (PG) S/s for interconnection with 220 kV Dera Bassi S/s

Sl. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1	Implementation of 2 nos. of 220 kV line bays at 400/220 kV Panchkula (Barwala) (PG) S/s for interconnection with 220 kV Dera Bassi S/s	220 kV line bays – 2 nos.	31.05.24
Total Estimated Cost:			INR 11.68 Crore



6. Replacement of 1x315 MVA 400/220kV ICT (ICT-1) at 400/220 kV Ludhiana (PG) S/s with 1x500 MVA 400/220kV ICT

Sl. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1	Replacement of 1x315 MVA 400/220kV ICT (ICT-1) at 400/220 kV Ludhiana (PG) S/s with 1x500 MVA 400/220kV ICT * *along with 66kV cable for shifting auxiliary supply to SVC from ICT-1 to ICT-2	500 MVA 400/220 kV ICT-1no.	18 months from the issue of OM by CTUIL (refer note-a)
Total Estimated Cost:			INR 26.98 Crore

Note:

- a. TSP may expedite the implementation of the above transmission scheme to the extent possible, as per the request of PSTCL vide letter dated 06.09.22 for implementation schedule of May'23 (reconfirmed to 31.05.23 vide mail dated 01.11.22)

7. Replacement of 1x250 MVA, 400/220 kV ICT at 765/400/220 kV Moga (PG) S/s with 1x500 MVA 400/220kV ICT along with associated works at 220kV level

Sl. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1.	Replacement of 1x250 MVA, 400/220 kV ICT at 765/400/220 kV Moga (PG) S/s with 1x500 MVA 400/220kV ICT along with associated works at 220 kV level	500 MVA 400/220 kV ICT- 1no. (with associated works at 220 kV level)	18 months from the issue of OM by CTUIL (refer note a)
Total Estimated Cost:			INR 27.03Crore

Note:

- a. TSP may expedite the implementation of the above transmission scheme to the extent possible, as per the request of PSTCL vide letter dated 06.09.22 for implementation schedule of May'23 (reconfirmed to 31.05.23 vide mail dated 01.11.22)

8. Augmentation of Transformation Capacity by 1x500 MVA, 400/220kV ICT (3rd) at 400/220 kV Patran (GIS) S/s

Sl. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1.	Augmentation of Transformation Capacity by 1x500 MVA, 400/220kV ICT (3rd) at 400/220 kV Patran (GIS) S/s along with GIS duct (at 400kV and 220kV) in new diameter of ICT – Tie– Line.	500 MVA 400/220 kV ICT- 1no. 400 kV ICT bay (GIS) – 1 no. 400kV bay (GIS) for diameter completion for	21 months from the issue of OM by CTUIL.



		future line (duct up to outside GIS Hall) – 1 no. • 220 kV ICT bay (GIS) – 1 no.	
Total Estimated Cost:			INR 65.19 Crore

Note:

- a. Best efforts shall be carried out to implement the transmission scheme by 31.05.2024 as per the request of PSTCL letter vide dated 06.09.22 and mail dated 01.11.2022

9. Implementation of 1 no. of 220 kV line bay at 400/220kV Bikaner-II PS for interconnection of solar project (M/s NHPC Ltd.)

Sl. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1.	1 no. of 220 kV line bay at 400/220 kV Bikaner-II PS for interconnection of RE project (NHPC Ltd.)	220 kV line bay – 1 no. (refer note a)	15 months from the issue of OM by CTUIL
2.	Implementation of 220kV Bus sectionalizer along with bus coupler and transfer bus coupler at 400/220kV Bikaner-II PS	220kV Bus Sectionalizer Bay– 1 Set 220kV Bus Coupler Bay–1 No. 220kV Transfer Bus Coupler Bay–1No. - Bus works for future Bays (4 Nos. of Line Bays & 3 Nos. of ICT Bays)	
Total Estimated Cost:			INR 29.21 Crore

Note:

- a. At 220 kV Bikaner-II, future line bays in Section-C are proposed to be allocated to RE developers with bays in developer's scope (no. 230-231) and ISTS scope (no. 226-227). Accordingly, 220 kV bus works may also be suitably taken up under the above scope.

Eastern Region

10. Eastern Region Expansion Scheme-XXX (ERES-XXX)

Sl. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
---------	----------------------------------	-------------	--------------------------



1.	Installation of existing spare 132/66kV, 1x50MVA ICT (already stationed at Gangtok) as 3 rd ICT at Gangtok (POWERGRID) S/s along with conversion of existing 132kV TBC bay as 132kV ICT bay for 3 rd ICT and construction of new 66kV ICT bay in Hybrid/Outdoor GIS with suitable modification in the gantry structure of 66kV side.	132/66kV, 50MVA spare ICT as 3rd ICT – 1 no. - Conversion of 132kV TBC bay to ICT bay – 1 no. - New 66kV ICT bay (in Hybrid/Outdoor GIS) – 1 no.	21 months from the issue of OM by CTUIL (<i>best efforts may be made for early commissioning to the extent possible</i>)
2.	Construction of new 132kV TBC bay in Hybrid/Outdoor GIS.	New 132kV TBC bay (in Hybrid/Outdoor GIS) – 1 no.	
Total Estimated Cost:			INR 11.64 Crore

11. Eastern Region Expansion Scheme-XXXIII (ERES-XXXIII)

Sl. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1.	Reconductoring of Rangpo – Gangtok 132kV D/c line with single HTLS conductor of 800A (at nominal voltage level).	Ckt-1: 28km Ckt-2: 26km	24 months from the issue of OM by CTUIL.
2.	Upgradation of CTs at Gangtok end in both circuits of Rangpo – Gangtok 132kV D/c line from 600A to rating commensurate with rating of HTLS conductor (800A)	-	
Total Estimated Cost:			INR 23.08 Crore

North Eastern Region

12. North Eastern Region Expansion Scheme-XVIII (NERES-XVIII)

Sl. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1.	Reconductoring of Melriat (GIS) (POWERGRID) – Zuangtui (Mizoram) 132kV ACSR Panther S/c line with Single HTLS conductor of 900A (at nominal voltage level) <i>Note: The existing line bay and dead tower at Melriat (POWERGRID) end of Melriat (POWERGRID) – Zuangtui (Mizoram) 132kV HTLS S/c line may be kept as spare bay after shifting of the line to newly constructed bay.</i>	10.13km	Apr 2025



2.	One (1) new 132kV line bay at Melriat (GIS) (POWERGRID) S/s (of rating commensurate with rating of HTLS viz. 900A) for shifting of Melriat (GIS) (POWERGRID) – Zuangtui (Mizoram) 132kV HTLS line from existing bay and termination of the HTLS line in the new bay (0.5km including approx. 5 nos. towers)	• 132kV GIS line bay – 1 no. • New 132kV S/c HTLS line section – 0.5km (including approx. 5 nos. towers)	
3.	Replacement of existing CT of 600/1A at Zuangtui (Mizoram) end in Melriat (GIS) (POWERGRID) – Zuangtui (Mizoram) 132kV S/c line with rating commensurate with ampacity (900A) of HTLS conductor.	-	
4.	Reconductoring of Aizawl (POWERGRID) – Luangmual (Mizoram) 132kV ACSR Panther S/c line with Single HTLS conductor of 800A (at nominal voltage level)	0.8km	
5.	Replacement of existing CT of 600/1A at Luangmual (Mizoram) end in Aizawl (POWERGRID) – Luangmual (Mizoram) 132kV S/c line with rating commensurate with ampacity (800A) of HTLS conductor.	-	
6.	Installation of OPGW in Aizawl (POWERGRID) – Luangmual (Mizoram) 132kV S/c line	0.8km	
Total Estimated Cost:			INR 11.49 Crore

13. North Eastern Region Expansion Scheme-XX (NERES-XX)

Sl. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1.	Reconductoring of existing Single ACSR Panther Kopili (NEEPCO) – Khandong (NEEPCO) 132kV S/c line-1 (10.9km) of POWERGRID with Single HTLS conductor of ampacity of 800A (at nominal voltage level) along with replacement of existing wave trap at Kopili end and CT at Khandong end with rating commensurate with ampacity (800A) of HTLS conductor	10.9km	24 months from the issue of OM by CTUIL.
2.	Reconductoring of existing Single ACSR Panther Khandong (NEEPCO) – Khliehriat (POWERGRID) 132kV S/c line-1 (42.48km) of POWERGRID with Single HTLS conductor of ampacity of 800A (at nominal voltage level) along with replacement of existing CTs at both ends with rating commensurate with ampacity (800A) of HTLS conductor.	42.48km	



3.	Reconductoring of existing Single AAAC Panther Khandong (NEEPCO) – Khliehriat (POWERGRID) 132kV S/c line-2 (40.93km) of POWERGRID with Single HTLS conductor of ampacity of 800A (at nominal voltage level) along with replacement of existing CTs at both ends & wave trap at Khandong end with rating commensurate with ampacity (800A) of HTLS conductor, and strengthening of requisite tower members (approx. 0.348 MT).	40.93km	
4.	Reconductoring of existing Single ACSR Panther Khliehriat (POWERGRID) – Khliehriat (MePTCL) 132kV S/c POWERGRID line-1 (7.8km) of POWERGRID with Single HTLS conductor of ampacity of 800A (at nominal voltage level) along with replacement of existing CTs at both ends with rating commensurate with ampacity (800A) of HTLS conductor, and strengthening of requisite tower members (approx. 0.121 MT).	7.8km	
5.	Reconductoring of existing Single AAAC Panther Khliehriat (POWERGRID) – Badarpur (POWERGRID) 132kV S/c line (76.64km) with Single HTLS conductor of ampacity of 900A (at nominal voltage level) along with replacement of existing CTs at both ends with rating commensurate with ampacity (900A) of HTLS conductor.	76.64km	
6.	Replacement of existing bus coupler bay CT at Khandong HEP (NEEPCO) switchyard from 600A to 800A		
Total Estimated Cost:			INR 77.04 Crore

Southern Region

14.Implementation of 1 no. 400kV line bay at Kurnool New S/s for providing Connectivity to M/s Greenko AP01 IREP Pvt. Ltd. (2nd 400kV line bay for M/s Greenko)

Sl. No.	Scope of the Transmission Scheme	Capacity/km	Implementation timeframe
1	Implementation of 1 no. 400kV line bay at Kurnool New S/s for providing Connectivity to M/s Greenko AP01 IREP Pvt. Ltd. (2 nd 400kV line bay for M/s Greenko)	• 400kV line bay – 1 No (Bay No. 412, SLD enclosed).	15 months from the issue of OM by CTUIL (refer note a.)
Total Estimated Cost:			INR 8.55 Crore

Note:

- a. Best efforts shall be carried out to implement the transmission scheme by 15.12.2023 as per the request of M/s Greenko AP01 IERP Pvt. Ltd. in its application / grant for enhancement of Connectivity.



DETAILED PROJECT REPORT FOR WESTERN REGION EXPANSION

SCHEME - XXXI (WRES-XXXI) - Part C

1.0 Context / background

In order to ensure “N-1” compliance of transformation capacity at 765/400 kV Pune substation, facilitating reliable power transfer for inter-state transmission, augmentation of transformation capacity at Pune substation by additional 1x1500 MVA (3rd) ICT was proposed. The scheme was agreed in the 10th CMETS-WR meeting held on 30.08.2022.

Subsequently, CTUIL, vide OM Ref. No. C/CTU/AI/00/9th CCTP dated 28.11.2022 has approved and awarded the scheme” **Western Region expansion scheme- XXXI (WRES-XXXI) - Part C**) to POWERGRID for its implementation under RTM mode.

2.0 SCOPE OF WORK

The present Detailed Project Report covers the following scope of work:

Substation:

Extension of Pune (GIS) 765/400 KV Substation

765 kV side

- 765/400kV, 1500MVA ICT (3rd ICT) *

400 KV Side

- 1 no. 400kV ICT bay (GIS)

-765/400 KV,1500 MVA ICT in existing Bay with GIS Bus Duct along with associated GIS to AIS termination, Erection hardware are required.

**01 no of 765 KV ICT Bay is available up to wall of GIS Building.*

The single line diagram of proposed transmission system is given at **Exhibit - 2.0**.

3.0 PROJECT HIGHLIGHTS

a)	Project	:	Western Region Expansion Scheme XXXI (WRES-XXXI): Part C
b)	Location of the Project	:	Western Region
c)	Project Cost	:	Rs. 95.83 Crores at December 2022 Price Level (including IDC of Rs. 4.38 Crores)
d)	Monthly Fixed Charges	:	Rs. 216.51 Lakhs on Base Cost Rs. 228.88 Lakhs on Projected Completed Cost
e)	Commissioning schedule	:	The project is scheduled to be commissioned by 27th August 2024 as per CTUIL OM dated 28.11.2022.

4.0 PROJECT APPROVAL BY CONSTITUENTS / SHARING OF TRANSMISSION CHARGES



- 4.1 The above transmission system was discussed and agreed in the 10th CMETS-WR dated 30.08.2022. Subsequently, CTUIL vide OM Ref No: C/CTU/AI/00/9th CCTP dated 28.11.2022 has approved the implementation of the following ISTS Transmission Scheme in line with the MoP office order dated:28.10.2021 under RTM mode by POWERGRID.

Sl. No.	Transmission Scheme	Implementing Agency
1.	Western Region Expansion Scheme XXXI (WRES-XXXI): Part C	Power Grid Corporation of India Ltd.

(Copies of the minutes of meetings enclosed at **Annexure - 8.0.**).

As mentioned in the Office memorandum, the CTUIL has to enter into a concession agreement with respective agency (POWERGRID) for implementation of the scheme.

- 4.2 Since, the subject scheme does not involve any overhead line, hence, prior approval of Government of India under Section 68(1) of Electricity Act, 2003 is not required.

4.3 **SHARING OF TRANSMISSION CHARGES**

The transmission charges for this project shall be shared by the beneficiaries in line with the Sharing Regulations notified by CERC from time to time.

5.0 **PROJECT STRATEGY**

The Transmission System has been assigned to POWERGRID on RTM basis and thus it is expected that the various elements of this transmission scheme have been undertaken and evolved in consultation with concerned authorities keeping in view the present and future load requirement of Southern Region.

6.0 **LEGAL FRAMEWORK**

It is proposed to execute the above entire transmission scheme as per provisions contained in the Indian Electricity Act, 2003 and the rules made there-under and the Electricity (Supply) Act, 1910 and 1948, in so far as these are applicable.

7.0 **EQUIPMENT SELECTION PHILOSOPHY**

The subject project has been designed in the most optimal manner based on the various studies as mentioned above. The system and equipment parameters are chosen keeping in view the present trend in technology. The conductors are selected such that the losses in them due to internal resistance as well as due to external effects are bare minimum. The bus bar materials and the clamps and connectors are chosen meeting the stringent international requirements so that there is least loss of energy in them. The transformers and other switchgears are also suitably selected and evaluated before award itself for most efficient operation from thermal and loss efficiency point of view. The energy thus saved is energy transmitted to the beneficiaries. This is a major step in energy conservation as the energy saved on account of losses is construed as energy generated.



8.0 TECHNOLOGY ISSUES

8.1 Salient features of 765/400 KV Substation Equipment and facilities

The design and specification of substation equipment are to be governed by the following factors:

8.1.1 Insulation Coordination

765/400 KV System would be designed to limit the switching overvoltage to 2.5 pu and power frequency overvoltage of 1.5 p.u. In case of 765/420 kV system, the initial value of temporary overvoltage could be 2 p.u for 1-2 cycles. Consistent with these values and protective levels provided by lightning arrestors, the following insulation levels are proposed to be adopted for 765 kV, 400 kV systems:

		765 KV	420 KV
a	Impulse withstand voltage for - Transformer and reactors - for Other Equipment	1950 kVP 2100 kVP	1300 kVP 1550 kVP
b	Switching surge withstand voltage	1550 kVP	1050 kVP
c	Minimum creepage distance	24800 mm	13020 mm
d	Max. fault current	50 kA	63 kA
e	Duration of fault	1 Sec	1 Sec
f	Corona extinction voltage	508 kV rms	320kV rms

To control the steady state, transient and dynamic overvoltage to specified levels, compensation equipment shall be provided.

8.1.2 Steady State Stability

The Steady State Stability is the ability of a system, to return/remain in the state of equilibrium when subjected to small or gradual changes of disturbances. The steady state stability limit is the maximum power that can flow through some lines in the system when the entire or part of the system to which the stability limit refers is subjected to a small disturbance without loss of its stability.

The steady state stability is usually quantified by measuring the relative angular displacement (also called as swing curve) between the two buses (nodes) in a network when a small disturbance is applied somewhere into the system.

In an integrated power system consisting of large number of generators, load and line etc., a maximum relative angular separation of about 30 deg. between the two buses may be assumed to be acceptable (safest) limit for maintaining the steady state stability of the system. Angular separation for different alternatives have been studied and found to be in order.

8.1.3 Switching Schemes



It is essential that the system should remain secured even under conditions of major equipment or bus-bar failure. Sub-stations being the main connection points have large influence on the security of the system as a whole. The selection of the bus switching scheme is governed by the various technical and other related factors. One & Half breaker bus scheme has been considered for 765kV & 400kV Main Bus and Double Main due to their merits in terms of reliability, security, operational flexibility and ease of maintenance of equipment.

8.1.4 765/400 kV Substation equipment:

The switchgear shall be designed and specified to withstand operating conditions and duty requirements. Further, switchgear for all voltage levels shall be generally of conventional type air insulated switchgear due to economy, subject to availability of suitable land.

GIS Substation Equipment: GIS (Gas insulated Switchgear) shall be in accordance to IEC: 62271-203. The switchgear shall be designed and specified to withstand operating condition and duty requirements.

8.1.4.1 Power Transformer

Power transformers shall conform to IEC: 60076 in general. These transformers shall generally have OLTC with a range of $\pm 5.5\%$, the range and requirement of which shall be finalized based on the system requirement. The air core reactance shall be of the order of 20%. Tertiary windings shall be provided for large auto transformers, which shall be capable of being loaded to one third of transformer loading. Insulation level of tertiary winding shall not be less than maximum transferred surge from HV/MV winding to tertiary winding.

8.1.4.2 Circuit Breakers

Circuit breakers shall in general comply to IEC 62271-100 & IEC-62271-1 and shall be of SF6 Type. The rated break time shall not exceed 40ms for 765 kV and 400kV circuit breakers. Circuit breakers shall be provided with single phase and three phase auto reclosing. The short line fault capacity shall be same as the rated capacity, and this is proposed to be achieved without use of opening resistors.

8.1.4.3 Isolators

The isolators shall comply to IEC 62271-102 & IEC-62271-1 in general. Isolators shall be horizontal/ double/ vertical break/ pantograph type keeping in view the bus switching schemes proposed. Isolators shall be motor operated. Earth switches are provided at various locations to facilitate maintenance. Main blades and earth blades shall be interlocked, and interlock shall be fail safe type. All earth switches shall be motor operated type.

8.1.4.4 Current Transformers

Current Transformers shall comply with IEC 61869-1 & IEC 61869-2 in general. All ratios shall be obtained by secondary taps. They shall have six secondaries for 765kV and 400 kV out of which four shall be used for protection and 2 shall be used for metering. The burden and knee point voltage shall be in accordance with the requirements of the system



including possible feeds for telemetry. Accuracy class for protection core shall be PX and for metering core shall be 0.2S as per IEC 61869.

8.1.4.5 Capacitor Voltage Transformers

Voltage transformers shall comply with IEC 61869-1 & IEC 61869-3 in general. These shall have three secondaries out of which two shall be used for protection and one for metering. Accuracy class for protection core shall be 3 P and for metering core shall be 0.2. The voltage transformers on lines shall be suitable for Carrier Coupling. The Capacitance of CVT shall be 4400/6600/8800 pF depending on PLCC requirements.

8.1.4.6 Surge Arresters

Station class current limiting, heavy duty gapless type Surge arresters conforming to IEC 60099-4 in general shall be provided. The rated voltage of Surge arrester and other characteristics are chosen in accordance with system requirements. Surge arresters shall be provided near line entrances, so as to achieve proper insulation coordination. These shall be fitted with pressure relief devices and diverting ports suitable for preventing shattering of insulator housing providing path for the flow of rated currents in the event of arrestors failure.

The switchgear shall be designed and specified to withstand operating conditions and duty requirements.

8.1.5 Substation Support facilities

Certain facilities required for operation & maintenance of substations as described below shall be provided in new substation and in existing substations, they have already been provided and would be extended, wherever required.

8.1.5.1 AC & DC power supplies

For catering to the requirements of three phase & single-phase AC supply and DC supply for various substation equipment the following arrangement is envisaged:

- i) For LT Supply, at new Substation, 2 nos. 800 kVA, 33/0.433 kV LT Transformers shall be supplied.
- ii) 2 Nos. batteries of 220 V for control & protection and 2 Nos. 48 V battery for PLCC would be provided at new Substation. Each battery would have a boost and trickle charger.
- iii) Suitable AC & DC distribution boards and associated LT Switchgear would be provided at new Substations.

8.1.5.2 Firefighting System

Firefighting system in general conforms to fire insurance regulations of India. The firefighting system is proposed with both AC motor & diesel engine driven pumps. Automatic heat actuated emulsifying system is proposed for transformers & reactors. In addition, alarm system based on heat/smoke detectors are proposed to be installed at sensitive points in a substation, e.g. Cable Vault, Main Control Room, MCC Room etc. Further, adequate water hydrants and portable fire extinguishers shall be provided in the substations.



8.1.5.3 Lighting

Adequate normal & emergency AC & DC LED based lighting shall be provided in the control room of the substation. The switchyards shall also be provided with adequate lighting.

8.1.5.4 Control Room

Substation control room would be provided to house substation for station level control along with its peripheral telemetry equipment and recording equipment, AC & DC distribution boards, DC batteries, etc.

8.1.6 Protection & Control

The substations shall be provided with control, relaying & monitoring functions along with substation automation system based on IEC 61850 protocol using fiber optic network. The communication & tele-protection with adjacent connected substations shall be through digital protection coupler via SDH & OPGW communication.

The state of art protection system based on numerical technology has been provided to minimize the damage to equipment in the event of fault for Transformers, Reactors, Transmission lines and Bus bars. These protective relays are with self-diagnostic feature and conforming to latest IEC 61850 for communication purposes for communicating the detailed list of events recoded by these relays in the event of fault or any abnormal conditions. Normally all these relays are equipped with in built fault recorder which can record the analogue as well as digital information for analysis of fault.

Auto Transformers & Reactors

Auto transformers and reactors shall be provided with the following protections:

- i) Differential protection
- ii) Restricted earth fault protection
- iii) Back-up impedance protection

Besides these, transformers & reactors shall also be provided with Bucholz relay, protection against oil and winding temperatures & pressure relief device.

Bus bar Protection

The high-speed bus bar differential protection which is essential to minimize the damage and maintain system stability at the time of bus bar faults shall be provided for 765/400/220 kV buses. Bus bar protection scheme shall be such that it operates selectively for each bus and incorporates necessary features required for ensuring security. The scheme shall have the provision for future expansion.

Local Breaker Back up Protection

This shall be provided for each of 765kV and 400 kV breakers and will be connected to de-energize the affected stuck breaker from both sides.

Time synchronization equipment



Time synchronization equipment complete in all respect including antenna, cable, processing equipment required to receive time signal through GPS or from National Physical Laboratory (NPL) through INSAT shall be provided.

Substation Automation System

The distributed architecture has been used for Substation Automation system where the controls are provided through bay control unit and bay control units are provided bay wise for voltage level 400kV and above. All bay control units as well as protection units are normally connected through an optical fiber high speed network. The control and monitoring of substation elements such as circuit breaker, disconnector, resetting of relays etc. are being done from Human Machine Interface (HMI) from the control room. SAS is equipped with the facility of remote operation. By providing remote HMI and suitable communication link, the substation can be controlled from a remote location. The functions of control, annunciation, disturbance recording, event logging and measurement of electrical parameters shall be integrated in Substation Automation System. The Automation System shall be provided with the facility of communication and control for remote end operation.

For all the extension substations, state of art Substation Automation System (SAS) available in existing substation conforming to IEC-61850 has been extended/augmented for present scope of work.

8.1.7 PLCC

Power line carrier communication (PLCC) equipment complete for speech transmission, line protections, and data channels shall be provided on each 765-kV transmission line. The protections for transmission line and the line compensating equipment shall have hundred percent back up communication channels. The PLCC equipment shall in brief include the following:

Coupling device, line traps, digital/analog carrier terminals, protection couplers, HF cables, trunk selectors, automatic exchange, and maintenance and testing instruments.

Coupling devices shall be suitable for 4400/6600/8800 pF for 765/420 kV CVTs for phase to phase coupling. The pass band of coupling devices shall have sufficient margin for adding communication channel in future if required. Necessary protection devices for the safety of personnel and low voltage part against power frequency voltages and transient over voltage shall also be provided. The line traps shall be broad band tuned suitable for blocking the complete range of carrier frequencies.

Line Trap shall have the necessary protective devices such as lightning arresters for the protection of tuning device and shall be equipped with corona rings. Decoupling network consisting of line traps and coupling capacitors may also be required at certain substation in case of extreme frequency congestion.

8.1.8 Control Concept

All the EHV breakers in substation/switching stations shall be controlled and synchronized from the switchyard control room / remote control center. Each breaker would have two sets of trip circuits which would be connected to separately fused DC

supplies for greater reliability. All the isolators shall have control from remote/local whereas the earth switches shall have local control only.

9.0 MANAGEMENT ARRANGEMENTS

9.1 Organizational set up

In POWERGRID the 'Organizational Concept' has been given due importance and the basic structure of organization has been made with a view to achieve the following objectives:

- i) To group related functions together to have clearly defined 'Roles' for the relevant 'functional heads'.
- ii) To have well defined 'Responsibility & Authority' centers in the structure.
- iii) To have well defined 'communication channels' and optimum 'span of control' in the organization.
- iv) To have optimum manpower.
- v) To have decentralization of activities as far as possible.

At the first level in the organization, Corporate Centre will be planning, monitoring and controlling the objectives and activities of the organization. At the second level, the Regional HQs will be playing the role of controlling the activities in the regions and will report to Corporate Centre. In POWERGRID, 10 regions have been identified as NR-I, NR-II, NR-III, SR-I, SR-II, WR-I, WR-II, ER-I, ER-II & NER and these regions will be headed by GM/ED. The subject project falls under the purview of WR-I.

At the third level in the structure, the Substation Groups will be controlling the activities of the respective Substation and associated lines under that Group and will report to the Regional HQs. The Groups will consist of basic working units such as substation Construction/maintenance, line construction/maintenance. The Groups will have both service and technical functions, to cater to the basic functional requirements.

9.1.1 Project Management

The project of transmission system will be planned, implemented, monitored and controlled through Integrated Project Management and Control System (IPMCS).

IPMCS uses PERT/CPM technique as the basic management tool. For effective project planning and review, three tier level of planning and review have been adopted.

Level-I:

Planning is done by the Corporate Monitoring Group, a central planning cell, which is in the form of an overall project schedule called the Master Network, for the project which forms the basis for all subsequent planning and monitoring of the activities. This covers broadly all the packages of project and indicates activities of engineering, contracts, manufacturing, erection and commissioning. The Master Network is prepared using computerized techniques which subsequently helps in comparing the actual progress of the project with the scheduled progress. This gives indication of the likely critical areas and helps in preventing the same, thereby resulting in smoother implementation. The Master Network also acts as a source for the planning to be done at Level - II & Level - III.

Level-II:



Planning is done package-wise and is worked out and finalized with the respective contractor/vendor during the pre-award stage. Level II networks are made within the milestones identified in the project Master Network (L-I).

Level-III:

Plans deal with elaborate schedules and weekly/monthly rolling plans which are prepared for activities of engineering, supply (as the case may be) & field activities. These form the basis of monitoring by the various functions.

The system envisages monthly review of the level II programs with contractors and at field on a weekly basis. A site monthly progress report is sent to the head office having four sections, i.e.

- i) Project completion trend
- ii) Salient achievements for the month
- iii) Program for next month
- iv) Areas needing attention of top management

9.1.2 Project Implementation Review

As on 31th January 2023, POWERGRID operates about 173,815 ckm. of transmission lines and 271 Substations with a transformation capacity of about 493,862 MVA. POWERGRID has a team of dedicated experts in the field of substation and Transmission Line Engg. equipped with state-of-the-art technology, software capabilities and computer aided facilities for Planning, Design, Operation and Maintenance of transmission system. It has a well-established system of continuous feedback from the field and upgrades the system accordingly.

Based on the feedback as well as in pursuit to economize the cost and implementation period, its experts are vigorously pursuing the standardization of Transmission Line designs, substation/switchyard layouts, schemes, technical parameters of equipment, etc.

POWERGRID has developed a project monitoring system matching with the organization structure, complexity / intricacies involved in the project implementation and Management information system. The system calls for increasing details of planning in all facets of functioning such as engineering, contracts, site and corresponding levels of monitoring and control; for generating a management summary report to the top management. This management summary report highlights the project completion trends, actions being taken/to be taken for the attention of the top management on exceptional basis of critical areas.

Further, the monitoring system envisages a regular total project review called project review meeting (PRM). This review meeting is headed by the Regional in-charge with representation from all functions viz. Contracts, Engineering, Field, Personnel, Finance, Corporate Monitoring Group, etc. The participants discuss project critical, project interface problems and project completion trends, etc.

From the discussions held during the PRM a status report emanates and also an exception report is put up to the Chief Executive and Directors which highlights extremely critical areas needing immediate attention and assistance required. The PRM is held at



Corporate Centre generally once in three months. These discussions help in identifying the critical areas and seeking decisions for speedy project implementation.

10.0 MEANS OF FINANCE AND PROJECT BUDGET

10.1 Project Cost Estimate

The estimated cost of the project based on **December 2022 price level** is as follows:

		(Rs. in crores)
		Total cost
1.	Transmission System	91.45
2.	Interest during Construction	4.38
TOTAL		95.83

The abstract cost estimate for Substation portion are given at **ANNEXURE - 1.2**. The break-up of the cost estimate for civil works and substations are given at **ANNEXURES - 1.1 and 1.2.1** respectively.

The detailed cost estimates for the civil works for Substations have been given at **ANNEXURES - 1.1.1**.

10.2 Basis of Cost Estimate

The estimated cost of the project as on **December 2022 price level** works out to **Rs. 95.83 crores** including an IDC of **Rs. 4.38 crores**. Unit rates for substation works have been taken from **Schedule of Rates** (which has been prepared based on the average of unit rates of latest LOAs/Bids and/or from Raw material prices) for **December 2022 Price level**

The cost estimate is inclusive of GST as applicable for various equipment (supply & services portion). F&I @ 4% has been considered in the Estimate for plain terrain.

10.3 Project Overheads

The following overheads have been charged on to the cost of the transmission system as a percentage of the equipment cost:

For Transmission Lines & Substations

i) Incidental Expenditure During Construction	10.75%
ii) Contingencies	3.00%

10.4 Funding arrangement

10.4.1 Phased Fund Requirement

The anticipated year wise fund requirement for the project including interest during construction is given below:



YEAR	TOTAL (Rs in Crores)
2022 – 2023	9.17
2023 – 2024	52.59
2024 – 2025	34.06
Total	95.83

10.4.2 Mode of Financing

The project is proposed to be funded through POWERGRID's Internal Resources (IR) and through domestic borrowings/bonds/External Commercial borrowings. The equity component (30%) is proposed to be met through the Internal Resources (IR) and the loan component (70%) through domestic borrowings/bonds/External Commercial borrowings.

10.5 Interest during Construction

Based on the assumption that the project will be financed from loan and equity in the ratio of 70:30 and the equity component being released simultaneously along with the loan component, the interest during construction works out to **Rs. 4.38 crores**. The interest rate for the loan amount has been considered @ 9.7% for domestic loan. The details of calculation are furnished in **ANNEXURE - 4.0**.

The interest during construction would however be based on the actual financial structure of the project and applicable terms of interest on loan(s), etc.

10.6 Monthly Fixed Charges

Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 have been referred for calculation of monthly fixed charges. Considering:

- Rate of interest on Domestic Loan @ 9.70% p.a.;
- Return on equity @ 15.5%;
- Depreciation @ 5.28% for substations and @ 6.33% for PLCC & communication equipment;
- O&M charges for **F.Y. 2024-25**:
 - For substations: @ Rs. 37.45 lakhs per 765 kV GIS Bay, @ 26.74% per 400 KV GIS Bay and @0.58 lakhs per MVA 765 KV Transformer
- Debt: Equity ratio 70:30;
- Interest on working capital @ 10.50%;

The tentative monthly fixed charges work out as **Rs. 216.51 Lakhs** on Base Cost and **Rs.228.88 Lakhs** on Projected Completed Cost (**ANNEXURE - 3.0**).

10.7 Completion Cost

The completion cost of the project is expected to be **Rs. 104.59 crores** including IDC of **Rs. 4.63 crores**. The above cost has been worked out based on the average movement of WPI (80% weightage) and CPI (20% weightage) for the preceding 12 months period as per guide lines dated 06.08.1997. Details of calculation are enclosed at **ANNEXURE - 5.0**. The abstract cost estimate for completed cost is enclosed at **ANNEXURE - 1.0a**. The phased fund requirement and calculation for IDC for completed cost are enclosed at **ANNEXURES - 2.0a and 5.0a** respectively.



10.8 Internal Rate of Return

The Project IRR, Equity IRR and Economic IRR on Projected Completed Cost have been calculated for the project and the same is tabulated below:

IRR	For Completed Cost
Project IRR	11.80%
Equity IRR	17.52%
Economic IRR	14.15%

The details of calculation are furnished in **ANNEXURE - 7.0**.

11.0 TIME FRAME

The Project is scheduled to be commissioned by **August 2024**. (as per CTUIL OM dtd 28.11.2022) (Implementation schedule is given at **EXHIBIT-3.0**).

12.0 RISK ANALYSIS

Revenue Risk

The capital cost of the transmission system comprises of i) an equity component and ii) a loan component. This is recovered through the annual transmission charges consisting of return required for the equity, an interest for the loan component together with the depreciation charges, the O&M charges and interest on working capital from the beneficiaries as per CERC Notifications. In addition to annual charges Income Tax, FERV and incentives, etc. as per notification would also be payable.

Transmission charges payable have been worked out presently based on CERC Tariff Regulations, 2019 and same shall be billed as per the applicable tariff regulations as issued by CERC from time to time during useful life of the assets.

Regulatory Risk

The transmission charges for this project shall be shared by the beneficiaries in line with the Sharing Regulations notified by CERC from time to time. CERC (Sharing of inter-State Transmission charges and losses) Regulations, 2020 came into force w.e.f. 01.11.2020. Under the Sharing Regulations 2020 signing of any TSA is not envisaged. However, relevant features of TSA, RSA and BCD Procedure have been included in the Regulations itself. Transmission Service Agreements and Revenue Sharing Agreements as on date of commencement of these Regulations shall be saved till expiry of the Agreements to the extent they are not in conflict with provisions of the 2020 Sharing Regulations as and when it becomes effective.

Environmental Risk

Not foreseen



Legal / Contractual Risks

The procurement practices of POWERGRID are in line with best practices followed internationally. Further, requisite due diligence is carried out prior to award of contracts which inter-alia includes assessment of capacity and capability of bidders to perform the contract, thereby mitigating contractual risks. In the unlikely event of such risk, adequate provisions such as Dispute Resolution, Risk & Cost procurement, etc are in built in the Bidding/Contract Document to deal with the same.

The legal framework governing the contracts in India is well established and finally in place. As such, there is minimal probability of any legal risk.

Project Management Risks

POWERGRID being the Central Transmission Utility of the country holds vast experience in the area of construction of 400kV and 765kV long Inter-state Transmission lines and associated substations. It has commissioned several 400kV and 765kV Transmission Lines and Substation projects successfully which are under operation.

POWERGRID has developed and implemented systems & procedures aligned with Integrated Management System. The Critical projects are monitored even more closely. As such, with a dedicated and experienced pool of manpower and application of IMS in implementation of its projects, POWERGRID makes every endeavor to achieve the target making probability of impact of Project Management Risks to minimal.

13.0 PAST RECORD OF SUCCESSFUL PROJECT IMPLEMENTATION

The above transmission system has been evolved, carrying out detailed studies by using latest available power system analysis software (PSS/E), and the proposed system is considered to be adequate to transfer power to the respective beneficiaries with reliability and security. Regarding achieving its objective in the stipulated time frame, it is to mention that POWERGRID has in-house expertise in all specialized areas of transmission with systems upto 800KV AC, ± 500 KV HVDC, Gas Insulated Sub-Stations, Static VAR Compensation, Series Capacitors, FACTS (Flexible AC Transmission System), Controlled Shunt reactors etc.

POWERGRID, since its formation has commissioned many large size and difficult transmission projects. Majority of such projects have been completed on or ahead of schedule.

As on 31st January 2023, POWERGRID operates about 173,815 ckm. of transmission lines and 271 Substations with a transformation capacity of about 493,862 MVA. POWERGRID has maintained the transmission system's availability at over 99% consistently.

In recognition of POWERGRID's excellence in areas of its operations as above, POWERGRID has been rated as "Excellent" many times since 1993-94 in achieving the MoU targets with Ministry of Power. POWERGRID is also a recipient of Prime Minister's MoU Award consecutively for many years for being amongst top ten PSUs.

14.0 SUSTAINABILITY



14.1 System Design Philosophy

The power evacuation system is designed in the most optimum manner such that losses in the system are minimal. The system and equipment parameters are chosen according to the present trends in technology, the conductors available are such that the losses in them due to internal resistance as well as due to external effects such as corona and RIV are bare minimum. The busbar materials and the clamps and connectors are chosen after meeting the stringent international requirements so that there is least loss of energy in them. The transformers, reactors and other switchgear are also similarly selected and evaluated before award itself for most efficient operation from thermal loss and efficiency.

14.2 System Operation Philosophy

The power flow in a particular line varies due to demand variation, failure of equipment, line faults, etc. For the system to be stable and to use optimized resources, it is very important to record the power flow at each and every time. This necessitates the monitoring of operation of the system on a three-shift basis.

14.3 System Maintenance Philosophy

The maintenance management system in vogue in POWERGRID aims at keeping the system under stable conditions while ensuring minimum maintenance cost and safety of equipment and personnel. The maintenance management schedule detailed work specification covering all maintenance jobs permit to work system, long term maintenance planning meeting for about 30 minutes for finalizing maintenance schedule for next 24 hours and resolution of interface problems between departments. These meetings are supplemented by meeting of HODs for one hour on alternate days to accelerate the decision making process and to lay down the priorities and guidelines for maintenance work during next 72 hours.

14.3.1 Spare parts Management System

The primary objective of spare part management system will be to ensure timely availability of proper spare parts for efficient maintenance of the substations and lines without excessive build-up on non-moving and slow moving inventory. The spare parts management system for this project will cover the following areas:

- a) Proper codification of all spares and consumables
- b) Spare parts indenting and procurement policy
- c) Ordering of critical mandatory and recommended spares
- d) Judicious fixation of inventory levels and ordering levels for spare parts based on our experience in other projects.
- e) Development of more than one source wherever practicable.

14.3.2 Training of personnel

The expertise available with the country is adequate to cover maintenance of Transmission Line and sub-station EHV equipment, etc. Also, available technical expertise within POWERGRID is adequate to cover operation and maintenance



requirements of equipment. Hence, training in these areas can be arranged by POWERGRID's training facility with the help of training officers, equipment suppliers and consultants, site commissioning personnel as well as POWERGRID's own specialists.

14.3.3 O&M Manuals

- a) Adequate O & M manuals will be distributed to all concerned as per the policy of the company.
- b) O & M manuals will be available to all concerned prior to commissioning of substations and transmission lines to avoid problems in preparation of commissioning documents as well as proper installation & commissioning of equipment.





Government of India
Central Electricity Authority
Regional Inspectorial Organisation
Ground Floor, WRPC Building, F-3, MIDC Area
Marol, Andheri (East), Mumbai 400 093

No. WRIO/MH/A-15233/2025

Dated: 12/02/2025

To,
M/s. Powergrid Corporation of India Limited,
765/400 KV GIS SS, Kasari Phata,
Shikrapur, Pune, 412208.

Approval for Energization

Subject: - Inspection of electrical installations of **M/s. Powergrid Corporation of India Limited, 765/400 KV GIS SS, Kasari Phata, Shikrapur, Pune** under regulation 45 of CEA (Measures relating to Safety and Electric Supply) Regulations, 2023.

Reference: (1) Application No.A/2024/15233, Dated: 23/12/2024.
(2) Inspection report of this office dated 14/01/2025.
(3) Compliance received on Date 21/01/2025.

Whereas the inspection of electrical installations of **M/s. Powergrid Corporation of India Limited, 765/400 KV GIS SS, Kasari Phata, Shikrapur, Pune** was carried out on **14th January, 2025** by the undersigned under Regulation 45 of the Central Electricity Authority (Measures relating to Safety and Electricity Supply) Regulations, 2023.

Approval for Energization of the said electrical installation/apparatus (Details being attached as Annexure) is hereby accorded subject to following conditions:

1. **M/s. Powergrid Corporation of India Limited** shall ensure to have all other requisite clearances /NOCs from Government and Local bodies, as applicable, before energization.
2. Adherence to relevant provisions of Central Electricity Authority (Measures relating to Safety and Electricity Supply) Regulations, 2023 shall be ensured by **M/s. Powergrid Corporation of India Limited** for safety during operation and maintenance.

The periodic inspections may be carried out at an interval 5 years from the date of last inspection. The application shall be filed by the applicant at least 6 months in advance so that compliance and final approval is granted on time. This periodicity is subject to change by Govt order/notification.

**Vikramsinh
Vilasrao
Thorat**

Digitally signed by
Vikramsinh Vilasrao
Thorat
Date: 2025.02.12
12:24:43 +05'30'

(Vikram Thorat)
Assistant Director

For Chief Electrical Inspector
To The Government of India

(Email ID: vikram.thorata@cea.nic.in, Mob. No.: 9960673641)

Copy to: Chief Engineer (EI), CEA, 3rd Floor, NRPC Building, Katwaria Sarai, New Delhi



400kV & 220kV GIS BAYS EXTENSION PROJECT AT 765/400/220kV GIS SUBSTATION, PUNE (SHIKRAPUR)						
Sr. No.	Equipment Category	Equipment Description	Equipment ID	Manufacturer	Manufacturer Serial Number	Functional Location
1	Circuit Breaker	400kV Circuit Breaker - R	414-CB	SIEMENS	JXN 31293446	Bay - 414
2		400kV Circuit Breaker - Y			JXN 31293446	
3		400kV Circuit Breaker - B			JXN 31293446	
4	Disconnecter Switch	Disconnecter Switch - R	414-89A DS	SIEMENS	JXN 31293446	Bay - 414
5		Disconnecter Switch - Y			JXN 31293446	
6		Disconnecter Switch - B			JXN 31293446	
7	Disconnecter Switch	Disconnecter Switch - R	414-89B DS	SIEMENS	JXN 31293446	Bay - 414
8		Disconnecter Switch - Y			JXN 31293446	
9		Disconnecter Switch - B			JXN 31293446	
10	Earth Switch	Earth Switch - R	414-89ESA ES	SIEMENS	JXN 31293446	Bay - 414
11		Earth Switch - Y			JXN 31293446	
12		Earth Switch - B			JXN 31293446	
13	Earth Switch	Earth Switch - R	414-89ESB ES	SIEMENS	JXN 31293446	Bay - 414
14		Earth Switch - Y			JXN 31293446	
15		Earth Switch - B			JXN 31293446	
16	Disconnecter Switch	Disconnecter Switch - R	414-89-TS1 DS	SIEMENS	JXN 31293446	Bay - 414
17		Disconnecter Switch - Y			JXN 31293446	
18		Disconnecter Switch - B			JXN 31293446	
19	Disconnecter Switch	Disconnecter Switch - R	414-89-TS2 DS	SIEMENS	JXN 31293446	Bay - 414
20		Disconnecter Switch - Y			JXN 31293446	
21		Disconnecter Switch - B			JXN 31293446	
22	Disconnecter Switch	Disconnecter Switch - R	414-89-T DS	SIEMENS	JXN 31293446	Bay - 414
23		Disconnecter Switch - Y			JXN 31293446	
24		Disconnecter Switch - B			JXN 31293446	
25	Earth Switch	Earth Switch - R	414-89TE1	SIEMENS	JXN 31293446	Bay - 414
26		Earth Switch - Y			JXN 31293446	
27		Earth Switch - B			JXN 31293446	
28	Earth Switch	Earth Switch - R	414-89TE2	SIEMENS	JXN 31293446	Bay - 414
29		Earth Switch - Y			JXN 31293446	
30		Earth Switch - B			JXN 31293446	
31	Current Transformer	Current Transformer : R-Core-1, 2, 3	414-CTA	SIEMENS	4G24CT2145	Bay - 414
32		Current Transformer : Y-Core-1, 2, 3			4G24CT2145	
33		Current Transformer : B-Core-1, 2, 3			4G24CT2145	
34	Current Transformer	Current Transformer : R-Core-1, 2	414-CTB	SIEMENS	4G24CT2150	Bay - 414
35		Current Transformer : Y-Core-1, 2			4G24CT2150	
36		Current Transformer : B-Core-1, 2			4G24CT2150	
37	765/400/33kV, 1 X 500MVA ICT#03 (GE make, S. No. L-0842)	TRANSFORMER R PH	ICT	GE	L0842	Bay- 414 and Bays - 707 & 708 (Existing)
38		TRANSFORMER Y PH			L0843	
39		TRANSFORMER B PH			L0844	

70





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

प्रमाणपत्र संदर्भ : प.क्षे.भा.प्रे.के./PuneGIS/1/

दिनांक: 16/04/2025

पारेषण तत्वों एवं बे द्वारा सफल ट्रायल ऑपरेशन (विद्युत भार के साथ) का प्रमाण पत्र

Certificate of successful Trial Operation (with electrical load) of Transmission Element(s)/bay(s)

Reference:

- WRTS-I Communication (U.ID-974) dated 10-01-2025 (Format-I and IA)
- WRLDC Communication to WRTS-I dated 10-01-2025 (Format-II-Acknowledgement)
- WRTS-I request for charging & trial operation dated 12-02-2025
- WRLDC Communication to WRTS-I dated 12-02-2025 (Format-IV -948)
- WRLDC e-mail dated 29.03.2025 regarding reliability concerns from grid operation point of view
- Charging codes from WRLDC to WRTS-I on 29-03-2025 & 30-03-2025
- Communication dated 04-04-2025 & from WRTS-I [C1-C4] [TR.ID- 324]
- Communication from WRTS-I dated 15.04.2025 on compliance of SCADA requirements at WRLDC.

Based on the above documents under reference, it is hereby certified that the following Transmission elements/bays of **POWERGRID WRTS-I** have successfully undergone trial operation (with electrical load) at **765 / 400KV PUNE-GIS POWERGRID-WR1 SS**:

क्रमांक / S.No	पारेषण संपत्ति का नाम / Name of the Transmission Asset:	ट्रायल ऑपरेशन प्रारम्भ किए जाने का समय एवं तारीख / Date and Time of commencement of trial operation	ट्रायल ऑपरेशन समाप्ति का समय एवं तारीख / Date and time of completion of trial operation
1	765/400 kV, 1500 MVA ICT-3 at 765 / 400KV PUNE-GIS POWERGRID-WR1 SS	30-03-2025 00:30	31-03-2025 00:30
2	400KV bay (414) of 765/400 kV, 1500 MVA ICT-3 at 765 / 400KV PUNE-GIS POWERGRID- WR1 SS	30-03-2025 00:30	31-03-2025 00:30

This certificate is being issued in accordance with Reg. 25 of CERC (Indian Electricity Grid Code) Regulations 2023 to certify trial operation of transmission element. Usage of this certificate for any other purpose is prohibited.

महोदय

एम. एम. मेहेंदळे

कार्यपालक निदेशक, प.क्षे.भा.प्रे.के

TO: कार्यपालक निदेशक, प.क्षे.पारेषण प्रणाली-1, पावरग्रिड, नागपुर.

प्रति: 1. सदस्य सचिव, प.क्षे.वि.स, मुंबई

2. कार्यपालक निदेशक, रा.भा.प्रे.के, नई दिल्ली

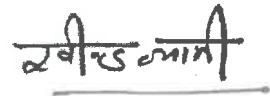


Certificate as per
CERC (Indian Electricity Grid Code) Regulations 2023
(For Inter State Transmission System)

It is to certify that the following assets under the Transmission System namely **Western Region Expansion Scheme XXXI : Part C** conform to the CEA Technical Standards for Construction, CEA Technical Standards for Connectivity, CEA Technical Standards for Communication, Central Electricity Authority (Measures relating to Safety and Electricity Supply) Regulations, 2010 and CERC (Indian Electricity Grid Code) Regulations 2023 and are capable of operation to their full capacity as per the requirements for declaration of commercial operation w.e.f. 00:00 hrs of 01.04.2025 as per following details

SL. NO.	Name of Asset	Date/Time of completion of 24hrs Power flow
1	1x1500 MVA 765/400kV ICT (3 rd) at Pune (GIS) Substation along with associated bays*	31.03.2025 00:19

*Available 765kV spare bays at Pune(GIS) are utilised for 765kV ICT bay



R K Tyagi
Chairman and Managing Director
Power Grid Corporation of India Limited



संदर्भ सं.: प.क्षे.-1/वाणिज्य/1155

दिनांक : 30.04.2025

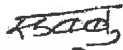
वाणिज्यिक प्रचालन की अधिसूचना (DOCO)
Notification of Commercial Operation (DOCO)

"Western Region Expansion Scheme XXXI (WRES-XXXI) - Part C", परियोजना के अंतर्गत निम्न परिसंपत्ति, सी.ई.आर.सी. (टैरिफ के निबंधन और शर्तों) विनियम 2024 के अध्याय-2 अनुच्छेद 5(1) और सी.ई.आर.सी. (भारतीय विद्युत ग्रिड कोड) विनियम 2023 के अध्याय-5 अनुच्छेद 27(1)(c) (i) के अंतर्गत, दिनांक 01.04.2025 को 00:00 बजे से वाणिज्यिक प्रचालन के लिए अधिसूचित किया जाता है।

The following asset under "Western Region Expansion Scheme XXXI (WRES-XXXI) - Part C" has been put under Commercial operation with effect from 00:00 hours of 01.04.2025 in terms of Chapter-2, Regulation clause 5(1) of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 and Chapter-5, Regulation clause 27(1)(c)(i) of Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2023

परिसंपत्ति का नाम / Name of Asset
1x1500 MVA 765/400kV ICT (3rd) at Pune (GIS) Substation along with associated bays*

*Available 765kV spare bays at Pune (GIS) are utilized for 765kV ICT bay


(एस. सुब्रमणियन)
कार्यपालक निदेशक(प.क्षे.-1)

एस. सुब्रमणियन
कार्यपालक निदेशक (प. क्षे.-I)
S. Subramanian
Executive Director (WR-I)

सम्प्रीति नगर, नारी रिंग रोड, डाकघर : उप्पलवाडी, नागपुर - 440 026

Sampriti Nagar, Nari Ring Road, P.O.: Uppalwadi, Nagpur - 440 026 Phones : 0712 -2641478-79

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

Corporate Office : Saudamini Plot No. 2, Sector - 29, Gurugram - 12200, (Haryana) Tel. :- 0124-2571700-719

पंजीकृत कार्यालय : बी-9, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली -110 016 दूरभाष : 011-26560112, 26560121, 26564812, 26564892, सीआईएन : L40101DL1989GO1038121
Registered Office B-9 Qutab Institutional Area, Katwaria Sarai, New Delhi -110 016 Tel : 011-26560112, 26560121, 26564812, 26564892, CIN : L40101DL1989GO1038121

Website : www.powergridindia.in



वितरण:

1. सदस्य सचिव, पश्चिम क्षेत्रिय विद्युत समिति, मुम्बई
2. कार्यपालक निदेशक, पश्चिम क्षेत्र भार प्रेषण केंद्र, ग्रिड इंडिया, मुम्बई.
3. मुख्य परिचालन अधिकारी, सेंट्रल ट्रांसमिशन यूटिलिटी ऑफ इंडिया लिमिटेड
4. पश्चिम क्षेत्र के सभी लाभार्थी - संलग्न सूची के अनुसार

पश्चिम क्षेत्र के सभी लाभार्थी

1. अध्यक्ष एवम प्रबंध निदेशक, एम.पी.पावर मैनेजमेंट कं.लि., जबलपुर .
2. प्रबंध निदेशक, एम.पी. पावर ट्रांसमिशन कंपनी लिमिटेड, जबलपुर.
3. अध्यक्ष एवम प्रबंध निदेशक, महाराष्ट्र राज्य विद्युत वितरण कंपनी लिमिटेड, मुम्बई.
4. प्रबंध निदेशक, महाराष्ट्र राज्य विद्युत पारेषण कं.लि. मुम्बई.
5. अध्यक्ष, गुजरात उर्जा विकास निगम लिमिटेड, वडोदरा.
6. प्रबंध निदेशक, गुजरात एनर्जी ट्रांसमिशन कारपोरेशन लिमिटेड, वडोदरा.
7. अध्यक्ष एवम प्रबंध निदेशक, छत्तिसगढ़ राज्य विद्युत वितरण कं.लि., डंगनिया, रायपुर,
8. प्रबंध निदेशक, छत्तिसगढ़ राज्य पावर ट्रांसमिशन कारपोरेशन लिमिटेड, डंगनिया, रायपुर,
9. मुख्य विद्युत अभियंता (ईलेक्ट्रिकल), गोवा विद्युत विभाग, पंजिम , गोवा.
10. कार्यकारी अभियंता, विद्युत विभाग, नानी दमन, दमन.
11. अधीक्षक अभियंता(पावर), विद्युत विभाग, दादरा एवं नगर हवेली, सिलवासा



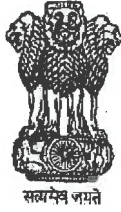
आंतरिक विवरण :

- 1) अध्यक्ष एवम प्रबंध निदेशक, पावरग्रिड, गुरुग्राम
- 2) निदेशक (परियोजना), पावरग्रिड, गुरुग्राम
- 3) निदेशक (वित्त), पावरग्रिड, गुरुग्राम
- 4) निदेशक (परिचालन), पावरग्रिड, गुरुग्राम
- 5) कार्यपालक निदेशक (वाणिज्य), पावरग्रिड, गुरुग्राम
- 6) कंपनी सचिव, पावरग्रिड, गुरुग्राम

सूचनार्थ प्रति:

1. मुख्य महाप्रबंधक (परियोजना) पश्चिम क्षेत्र-1
2. मुख्य महाप्रबंधक (परिपूजी प्रबंधन) पश्चिम क्षेत्र-1
3. वरिष्ठ महाप्रबंधक (वाणिज्य) पश्चिम क्षेत्र-1
4. वरिष्ठ महाप्रबंधक (पी.ई.एस.एम) पश्चिम क्षेत्र-1
5. उप महाप्रबंधक (वित्त एवं लेखा) पश्चिम क्षेत्र-1





भारत सरकार
केन्द्रीय विद्युत प्राधिकरण
पश्चिम क्षेत्रीय विद्युत समिति
एफ -3, एमआयडीसी क्षेत्र, अंधेरी (पूर्व), मुंबई - 400 093

Government of India
Central Electricity Authority
Western Regional Power Committee
F-3, MIDC Area, Andheri (East), Mumbai 400093

दूरभाष / phone: 022- 28221636; 28221681; 28220194-6
वेबसाइट / website: www.wrpc.nic.in

फैक्स /fax: 022 - 28370193

ईमेल/e-mail: opc-wrpc@nic.in

सं: पक्षेविस/प्रचा. / प्रसस-कार्यवृत्त /2024-25/ 13458-13526 दिनांक 28th Nov 2024

सेवा में,

विषय:- प.क्षे.वि.समिति, मुंबई की प्रचालन एवं समन्वय समिति की 585 वीं बैठक का कार्यवृत्त।

महोदय,

पश्चिम क्षेत्रीय विद्युत समिति, मुंबई की प्रचालन एवं समन्वय समिति की दिनांक 22.11.2024 को आयोजित 585 वीं बैठक का कार्यवृत्त आपकी सूचनार्थ संलग्न है।

धन्यवाद।

संलग्न : उपरोक्तानुसार

भवदीय,
Sd/-
(डी एन गवाली)
अधीक्षण अभियंता (प्रचालन)



List of OCC Members

1.	Chief Engineer (L D), GETCO, Gotri	0263-2352019
2.	Chief Engineer (Generation), GSECL, Vadodara	0265-2344734/2338847
3.	Superintendent Engineer (CP & SS), GETCO, Vadodara	0265-2337918, 2338164
4.	Chief Engineer (L D), MPPTCL, Jabalpur	0761-2664343
5.	Chief Engineer (O&M:Gen), MPPGCL, Jabalpur	0761-2664572/2668050
6.	Chief Engineer (L D), MSETCL, Kalwa	022-27601769
7.	Chief Engineer (PP), MSEDCL, Mumbai	
8.	Chief Engineer (Works), MSPGCL, Mumbai	022-26473896
9.	Superintending Engineer (LD), MSETCL Ambazari	07104-220275
10.	Chief Engineer (L D), CSPTCL /Raipur	0771-2574174
11.	Chief Engineer (O&M:GEN), CSPGCL, Raipur	0771-2574425
12.	Executive Director, PGCIL Raipur	
13.	General Manager, POSOCO, Mumbai	022-28202630
14.	General Manager (WRTS-I), Powergrid, Nagpur	0712-2641366
15.	General Manager (O & M), WRTS-II, PGCIL, Vadodara	0265-2487542
16.	Chief Engineer (Transmission), NPCIL, Mumbai	25580741/25563350
17.	Station Director, TAPS, Tarapur 1 & 2	02525-282125/244125
18.	Station Director, TAPS, Tarapur 3 & 4	02525-244021/244169
19.	Station Director, KAPS, Kakrapar 1 & 2	02626-231231
20.	Station Director, KAPS, Kakrapar 3 & 4	
21.	General Manager (OS), NTPC, Mumbai	022-28216692
22.	General Manager, NTPC, Korba	07759-237462/237552
23.	General Manager (OS), NTPC, HQ-II Raipur	0771-2544550
24.	General Manager, NTPC, Vindhyachal, M.P.	07805-247711
25.	General Manager, NTPC, SIPAT, CG	07752-246504
26.	General Manager NTPC LARA	
27.	General Manager NTPC Gadawada	
28.	General Manager NTPC Khargone	
29.	General Manager NTPC Solapur	
30.	General Manager, NTPC, Kawas, Surat	0261-2860290
31.	General Manager, NTPC, Gandhar	02642-287402
32.	General Manager, NTPC, Mouda	07115-281221/281219
34.	CLD TPC, Mumbai	022-25541908/67175385
35.	Head (O), Dahanu TPS, Dahanu	02528-222039
36.	Sr V P Reliance Transmission, Pune 30471555 Vice President (Generation), Torrent Power Ltd, Ahmedabad	0124-3917982/020- 079-27506679
37.	Executive Director, Sugan CCPP, Torrent Power Ltd, Surat.	02621-661151
38.	Vice President (O & M), APL Mundra, Gujarat	02838-266364
39.	Head Operation CGPL Mundra	
40.	Vice President (Opn), Jindal Power Ltd., Raigarh	07767-281993/281995
41.	AGM(OS) NSPCL Delhi	011-26717363, 26717366
42.	GENERAL MANAGER (POWER), RGPPL, Ratnagiri	02359-241071/241011
43.	Member (Power), NCA, Indore	0731-2559888
44.	Chief Engineer (PM & C), NHDC, Bhopal	0755 4030188/4030130
45.	E. E. Elect. (Ponda), Goa	0832-2313780
46.	Executive Engineer DD (UT), Daman	0260-2230771/2250889/2230550
47.	Executive Engineer DNH (UT), Silvassa	0260-2642338
48.	Secretary, CERC, New Delhi	011-24360010/23753923
49.	CEO, JSW Energy Ltd.	011-46032343/26183546
50.	VP-Power Infra-Essar Hazira Surat	0261-6688498/022-67082198
51.	Chief Electrical Distribution Engineer CR	022-22621060
52.	Vice President EPTCL Hazira Surat	0261-6682747
53.	COO, Korba West Power Co. Ltd. Raigarh	
54.	VP(COMML) Essar Power MP Ltd MP	
55.	GM Torrent power grid ltd. Ahmedabad, Gujarat	
56.	Adani Power Maharashtra Ltd Tiroda	
57.	CGM, R K M Powergen Pvt Ltd	
58.	ED, Athena Chattishgarh Power Ltd.	
59.	Head(O&M) Dhariwal Infra Ltd C'pur	
60.	Head Operation Jaypee Nigrie STPP Singrauli.	
61.	VP(O&M), GCEL, Chhattishgarh	
62.	Head Operation DB Power, Chhattishgarh.	
63.	Head operation Hindustan Power, Anuppur MP	
64.	Head operation GMR, Warora Energy Ltd.	
65.	Head O&M, Sterlite Grid Ltd Bhopal	
66.	Head Operation Balco, Chhattishgarh.	
67.	Head(O& M), SKS, SPGCL, Raigarh	
68.	AVP,O&M Electrical,RIPL, Amravati	





भारत सरकार
केन्द्रीय विद्युत प्राधिकरण
पश्चिम क्षेत्रीय विद्युत समिति
एफ -3, एमआयडीसी क्षेत्र, अंधेरी (पूर्व), मुंबई - 400 093

Government of India
Central Electricity Authority
Western Regional Power Committee
F-3, MIDC Area, Andheri (East), Mumbai 400093

दूरभाष / phone: 022- 28221636; 28221681; 28220194-6
वेबसाइट/ website: www.wrpc.nic.in

फैक्स /fax: 022 - 28370193

ईमेल/e-mail: opc-wrpc@nic.in

सं: पक्षेविस/प्रचा. / प्रसस-कार्यवृत्त /2025-26/ 02-70

दिनांक 2nd January 2025

सेवा में,

विषय:- प.क्षे.वि.समिति, मुंबई की प्रचालन एवं समन्वय समिति की 586 वीं बैठक का कार्यवृत्त।

महोदय,

पश्चिम क्षेत्रीय विद्युत समिति, मुंबई की प्रचालन एवं समन्वय समिति की दिनांक 23.12.2024 को आयोजित 586 वीं बैठक का कार्यवृत्त आपकी सूचनार्थ संलग्न है।

धन्यवाद।

संलग्न : उपरोक्तानुसार

भवदीय,
Sd/-

(डी एन गवाली)
अधीक्षक अभियंता (प्रचालन)



List of OCC Members

1.	Chief Engineer (L D), GETCO, Gotri	0263-2352019
2.	Chief Engineer (Generation), GSECL, Vadodara	0265-2344734/2338847
3.	Superintendent Engineer (CP & SS), GETCO, Vadodara	0265-2337918, 2338164
4.	Chief Engineer (L D), MPPTCL, Jabalpur	0761-2664343
5.	Chief Engineer (O&M:Gen), MPPGCL, Jabalpur	0761-2664572/2668050
6.	Chief Engineer (L D), MSETCL, Kalwa	022-27601769
7.	Chief Engineer (PP), MSEDCL, Mumbai	
8.	Chief Engineer (Works), MSPGCL, Mumbai	022-26473896
9.	Superintending Engineer (LD), MSETCL Ambazari	07104-220275
10.	Chief Engineer (L D), CSPTCL /Raipur	0771-2574174
11.	Chief Engineer (O&M:GEN), CSPGCL, Raipur	0771-2574425
12.	Executive Director, PGCIL Raipur	
13.	General Manager, POSOCO, Mumbai	022-28202630
14.	General Manager (WRTS-I), Powergrid, Nagpur	0712-2641366
15.	General Manager (O & M), WRTS-II, PGCIL, Vadodara	0265-2487542
16.	Chief Engineer (Transmission), NPCIL, Mumbai	25580741/25563350
17.	Station Director, TAPS, Tarapur 1 & 2	02525-282125/244125
18.	Station Director, TAPS, Tarapur 3 & 4	02525-244021/244169
19.	Station Director, KAPS, Kakrapar 1 & 2	02626-231231
20.	Station Director, KAPS, Kakrapar 3 & 4	
21.	General Manager (OS), NTPC, Mumbai	022-28216692
22.	General Manager, NTPC, Korba	07759- 237462/237552
23.	General Manager (OS), NTPC, HQ-II Raipur	0771-2544550
24.	General Manager, NTPC, Vindhvachal, M.P.	07805 -247711
25.	General Manager, NTPC, SIPAT, CG	07752-246504
26.	General Manager NTPC LARA	
27.	General Manager NTPC Gadawada	
28.	General Manager NTPC Khargone	
29.	General Manager NTPC Solapur	
30.	General Manager, NTPC, Kavas, Surat	0261-2860290
31.	General Manager, NTPC, Gandhar	02642-287402
32.	General Manager, NTPC, Mouda	07115-281221/281219
34.	CLD TPC, Mumbai	022-25541908/67175385
35.	Head (O), Dahanu TPS, Dahanu	02528-222039
36.	Sr V P Reliance Transmission, Pune 30471555 Vice President (Generation), Torrent Power Ltd, Ahmedabad	0124-3917982/020- 079-27506679
37.	Executive Director, Sugan CCPP, Torrent Power Ltd, Surat.	02621-661151
38.	Vice President (O & M), APL Mundra, Gujarat	02838-266364
39.	Head Operation CGPL Mundra	
40.	Vice President (Opn), Jindal Power Ltd., Raigarh	07767-281993/281995
41.	AGM(OS) NSPCL Delhi	011-26717363 26717366
42.	GENERAL MANAGER (POWER), RGPPL, Ratnagiri	02359-241071/241011
43.	Member (Power), NCA, Indore	0731-2559888
44.	Chief Engineer (PM & C), NHDC, Bhopal	0755 4030188/4030130
45.	E. E. Elect. (Ponda), Goa	0832-2313780
46.	Executive Engineer DD (UT), Daman	0260-2230771/2250889/2230550
47.	Executive Engineer DNH (UT), Silvassa	0260-2642338
48.	Secretary, CERC, New Delhi	011-24360010/23753923
49.	CEO, JSW Energy Ltd.	011-46032343/26183546
50.	VP-Power Infra-Essar Hazira Surat	0261-6688498/022-67082198
51.	Chief Electrical Distribution Engineer CR	022-22621060
52.	Vice President EPTCL Hazira Surat	0261-6682747
53.	COO, Korba West Power Co. Ltd. Raigarh	
54.	VP(COMML) Essar Power MP Ltd MP	
55.	GM Torrent power grid Ltd. Ahmedabad, Gujarat	
56.	Adani Power Maharashtra Ltd Tiroda	
57.	CGM, R K M Powergen Pvt Ltd	
58.	ED, Athena Chattishgarh Power Ltd.	
59.	Head(O&M) Dhariwal Infra Ltd C'pur	
60.	Head Operation Jaypee Nigrie STPP Singrauli.	
61.	VP(O&M), GCEL, Chhattishgarh	
62.	Head Operation DB Power, Chhattishgarh.	
63.	Head operation Hindustan Power, Anuppur MP	
64.	Head operation GMR, Warora Energy Ltd.	
65.	Head O&M, Sterlite Grid Ltd Bhopal	
66.	Head Operation Balco, Chhattishgarh.	
67.	Head(O& M), SKS, SPGCL, Raigarh	
68.	AVP,O&M Electrical,RIPL, Anravati	



RQ23106 OCC_586	POWERGRID_WIR2	765KV-GWALIOR-JAIPUR-2 TIE BAY - 765KV-JABALPUR-GADARWABA-2 AND 765KV-JABALPUR-RHOPAL-3 at JABALPUR - 765KV	POWERGRID D	Non Auto mode for non shutdown nature defect rectification.	02/Jan/2025 09:00	02/Jan/2025 18:00	PG-WR1 PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ230871 OCC_586	POWERGRID_WIR2		POWERGRID D	FOR AMP WORK	02/Jan/2025 09:00	02/Jan/2025 18:00	PG-WR2-JP PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ230713 OCC_586	POWERGRID_WIR2	765KV/400KV VADODARA-ICT-3	POWERGRID D	Changeover of R ph taken in to service & spare free. Dia to kept open at both side For integration of 400/220KV ICT-4 relay in existing system	02/Jan/2025 09:00	02/Jan/2025 18:00	PG-WR2-V PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ230609 OCC_586	POWERGRID_WIR2	SATNA - 400KV - BUS 1	POWERGRID D		02/Jan/2025 09:00	02/Jan/2025 18:00	PG-WR2-SJ PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ230373 OCC_586	POWERGRID_WIR2	TIE BAY - 400KV-CGPL-BACHAU-3 AND 400KV- BACHAU-MANSAR-1 at BACHAU - 400KV	POWERGRID D	Bay AMP works	02/Jan/2025 09:00	02/Jan/2025 18:00	PG-WR2-BI PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ230374 OCC_586	POWERGRID_WIR2	400KV-MANSAR-CHORANBA-1	POWERGRID D	EV clearance Improvement work at span 802-803, AR pf 400KV Bhachau-Choranba1 to be kept in non auto mode.Dia to kept open at both ends	02/Jan/2025 09:00	02/Jan/2025 18:00	PG-WR2-BI PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ230440 OCC_586	POWERGRID_WIR2	GWALIOR - 765KV B/R 1	POWERGRID D	AMP works, Dia to kept open	02/Jan/2025 09:00	02/Jan/2025 18:00	PG-WR2-G PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ230453 OCC_586	POWERGRID_WIR2	400KV-CGPL-JETPUR-1	POWERGRID D	A/R in non auto mode required for OPGW stringing under live line condition. Tower Strengthening Member fixing work. A/R in Non-Auto Mode Line will be in Service.	02/Jan/2025 09:00	02/Jan/2025 18:00	PG-WR2-BI PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ230493 OCC_586	POWERGRID_WIR2	765KV-BINA-GWALIOR-1	- POWERGRID D		02/Jan/2025 09:00	02/Jan/2025 18:00	PG-WR2-G PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ230499 OCC_586	POWERGRID_WIR2	GWALIOR - 220KV - BUS 1	POWERGRID D	Extension of 220KV Bus-1 for HGS Construction work and Bus Bar Augmentation Yearly AMP of LTE and main bay draft breaker at sankhad end. Dia to kept open at both ends	02/Jan/2025 09:00	02/Jan/2025 18:00	PG-WR2-G PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ230524 OCC_586	POWERGRID_WIR2	400KV-BANASKANTHA-VILODA-2 MAIN BAY - 765KV-VINDHYACHAL(PS)-JABALPUR- 2 AND VINDHYACHAL(PS) - 765KV - BUS 1 at Vindhyachal(PS) - 765KV	POWERGRID D	Bay AMP Work at Vindhyachal(PS)	02/Jan/2025 09:00	02/Jan/2025 18:00	PG-WR2-B PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ230933 OCC_586	POWERGRID_WIR2		POWERGRID D	Terminal Equipment AMP, Dia to kept open at both ends. A/R off of CK-1 is required	02/Jan/2025 09:00	02/Jan/2025 18:00	PG-WR2-VI PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ230176 OCC_586	POWERGRID_WIR2	400KV-KALWA-KUDUS-2	POWERGRID D		02/Jan/2025 09:00	02/Jan/2025 18:00	PG-WR2-KV PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ229568 OCC_586	MSLDC_OUTAGE	400KV-PALLAH-KARANT-1	MAHARASHI D	PID testing	02/Jan/2025 09:00	02/Jan/2025 18:00	PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ229813 OCC_586	MSLDC_OUTAGE	400KV-PALLAH-KARANT-1	MAHARASHI D	PID testing work	02/Jan/2025 09:00	02/Jan/2025 18:00	PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ229846 OCC_586	MSLDC_OUTAGE	400KV-PALLAH-KARANT-2	MAHARASHI D	PID testing work	02/Jan/2025 09:00	02/Jan/2025 18:00	PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ229717 OCC_586	MSLDC_OUTAGE	400KV-KALWA-PUNE-PG-1	WPL-ADA D	Replacement of existing 48F OPGW with 96F OPGW by MTCL, A/R function to be in non auto mode.	02/Jan/2025 09:00	02/Jan/2025 18:00	PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ229748 OCC_586	MSLDC_OUTAGE	400KV-KALWA-HARGHAR-1 TIE BAY - 765KV-RAJINDGAON-RWTL- WARORA-PG-2 AND 765KV/400KV WARORA-PG- ICT-3 at WARORA-PG - 765KV	MAHARASHI D	Replacement of existing 48F OPGW with 96F OPGW by MTCL, A/R function to be in non auto mode.	02/Jan/2025 09:00	02/Jan/2025 18:00	PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ229549 OCC_586	POWERGRID_WIR1		PWLT-POIN D	For Tie Bay AMP-705 Interconnection of outside GIS with spare ICT bay(without internal conductor)	02/Jan/2025 09:00	02/Jan/2025 18:00	For Tie Bay PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ229249 OCC_586	POWERGRID_WIR1	MAIN BAY - 765KV/400KV PUNE-GIS-ICT-3 AND PUNE-GIS - 765KV - BUS 2 at Pune-GIS - 765KV	POWERGRID D	Interconnection of outside GIS with spare ICT bay(without internal conductor)	02/Jan/2025 09:00	02/Jan/2025 18:00	OUTAGE IS PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ229250 OCC_586	POWERGRID_WIR1	TIE BAY - 765KV-PUNE-GIS-PADSHAH-PG-1 AND 765KV/400KV PUNE-GIS-ICT-3 at Pune-GIS - 765KV	POWERGRID D	Interconnection of outside GIS with spare ICT bay(without internal conductor)	02/Jan/2025 09:00	02/Jan/2025 18:00	OUTAGE IS PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ229138 OCC_586	POWERGRID_WIR1	MAIN BAY - 765KV/400KV PUNE-GIS-ICT-3 AND PUNE-GIS - 765KV - BUS 2 at Pune-GIS - 765KV	POWERGRID D	Interconnection of outside GIS with spare ICT bay(without internal conductor)	02/Jan/2025 09:00	02/Jan/2025 18:00	OUTAGE IS PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00

58



58

RQ229139	OCC_586	POWERGRID_WR1	TIE BAY - 765KV-PUNE-GIS-PADGHE-PG-1 AND 765KV/400KV PUNE-GIS-ICT-3 at Pune-GIS-765KV POWERGRID D	Interconnection of outside GIB with spare ICT bay/without internal conductor	02/Jan/2025 09:00	02/Jan/2025 18:00	OUTAGE IS PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ229010	OCC_586	POWERGRID_WR1	MAIN BAY - 765KV-RAJNANDGAON-RRVTL-WARORA-PG-2 AND 765KV/400KV WARORA-PG-ICT-2 at WARORA-PG - 765KV PWTL-POW D	For Tie Bay AMP-705 Interconnection of outside GIB with spare ICT bay/without internal conductor	02/Jan/2025 09:00	02/Jan/2025 18:00	For Tie Bay PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ228931	OCC_586	POWERGRID_WR1	MAIN BAY - 765KV/400KV PUNE-GIS-ICT-3 AND PUNE-GIS-765KV - BUS 2 at Pune-GIS - 765KV POWERGRID D	Interconnection of outside GIB with spare ICT bay/without internal conductor	02/Jan/2025 09:00	02/Jan/2025 18:00	OUTAGE IS PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ228932	OCC_586	POWERGRID_WR1	TIE BAY - 765KV-PUNE-GIS-PADGHE-PG-1 AND 765KV/400KV PUNE-GIS-ICT-3 at Pune-GIS-765KV POWERGRID D	Interconnection of outside GIB with spare ICT bay/without internal conductor	02/Jan/2025 09:00	02/Jan/2025 18:00	OUTAGE IS PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ228724	OCC_586	POWERGRID_WR1	MAIN BAY - 765KV/400KV PUNE-GIS-ICT-3 AND PUNE-GIS-765KV - BUS 2 at Pune-GIS - 765KV POWERGRID D	Interconnection of outside GIB with spare ICT bay/without internal conductor	02/Jan/2025 09:00	02/Jan/2025 18:00	OUTAGE IS PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ228725	OCC_586	POWERGRID_WR1	TIE BAY - 765KV-PUNE-GIS-PADGHE-PG-1 AND 765KV/400KV PUNE-GIS-ICT-3 at Pune-GIS-765KV POWERGRID D	Interconnection of outside GIB with spare ICT bay/without internal conductor	02/Jan/2025 09:00	02/Jan/2025 18:00	OUTAGE IS PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ228703	OCC_586	POWERGRID_WR1	TIE BAY - 765KV-RAJNANDGAON-RRVTL-WARORA-PG-2 AND 765KV/400KV WARORA-PG-ICT-2 at WARORA-PG - 765KV PWTL-POW D	For Tie Bay AMP-705 Interconnection of outside GIB with spare ICT bay/without internal conductor	02/Jan/2025 09:00	02/Jan/2025 18:00	For Tie Bay PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ228466	OCC_586	POWERGRID_WR1	TIE BAY - 765KV-RAJNANDGAON-RRVTL-WARORA-PG-2 AND 765KV/400KV WARORA-PG-ICT-2 at WARORA-PG - 765KV PWTL-POW D	For Tie Bay AMP-705 Interconnection of outside GIB with spare ICT bay/without internal conductor	02/Jan/2025 09:00	02/Jan/2025 18:00	For Tie Bay PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ228387	OCC_586	POWERGRID_WR1	MAIN BAY - 765KV/400KV PUNE-GIS-ICT-3 AND PUNE-GIS-765KV - BUS 2 at Pune-GIS - 765KV POWERGRID D	Interconnection of outside GIB with spare ICT bay/without internal conductor	02/Jan/2025 09:00	02/Jan/2025 18:00	OUTAGE IS PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ228388	OCC_586	POWERGRID_WR1	TIE BAY - 765KV-PUNE-GIS-PADGHE-PG-1 AND 765KV/400KV PUNE-GIS-ICT-3 at Pune-GIS-765KV POWERGRID D	Interconnection of outside GIB with spare ICT bay/without internal conductor	02/Jan/2025 09:00	02/Jan/2025 18:00	OUTAGE IS PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ227953	OCC_586	GETCO	400KV-UJAI-VAV-GIS-1 GUJARAT D	PMW work	02/Jan/2025 09:00	02/Jan/2025 18:00	OUTAGE IS PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:00
RQ230412	OCC_586	POWERGRID_WR2	MAIN BAY - 765KV/400KV BINA-ICT-1 AND BINA-400KV - BUS 2 at BINA - 400KV POWERGRID D	FOR AMP WORK	02/Jan/2025 09:00	02/Jan/2025 18:30	PG-WR2-BI PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 18:30
RQ230902	OCC_586	POWERGRID_WR2	400KV-JABALPUR-JABALPUR-PS-2 POWERGRID D	AMP work of line terminal equipment's and to attend shutdown nature of work. A/R off of site is required. For AMP works. Dia to be kept open.	02/Jan/2025 09:00	02/Jan/2025 20:00	PG-WR2-JP PLANNED	Requested	02/Jan/2025 09:00	02/Jan/2025 20:00
RQ229378	OCC_586	POWERGRID_WR1	765KV/400KV CHAMPA-ICT-5 POWERGRID D	Spare Change Over - Rph unit will be taken back into service in place of spare unit. Dia to be kept open. For AMP works. Dia to be kept open.	02/Jan/2025 09:30	02/Jan/2025 17:30	ICT-5 PLANNED	Requested	02/Jan/2025 09:30	02/Jan/2025 17:30
RQ229377	OCC_586	POWERGRID_WR1	CHAMPA - 765KV B/R 1 POWERGRID D	Spare Change Over - Rph unit will be taken back into service in place of spare unit. Dia to be kept open. For AMP works. Dia to be kept open.	02/Jan/2025 09:30	02/Jan/2025 17:30	765KV B/R PLANNED	Requested	02/Jan/2025 09:30	02/Jan/2025 17:30
RQ228031	OCC_586	POWERGRID_WR1	CHAMPA - 765KV B/R 1 POWERGRID D	Spare Change Over - Rph unit will be taken back into service in place of spare unit. Dia to be kept open. For AMP works. Dia to be kept open.	02/Jan/2025 09:30	02/Jan/2025 17:30	765KV B/R PLANNED	Requested	02/Jan/2025 09:30	02/Jan/2025 17:30
RQ228030	OCC_586	POWERGRID_WR1	765KV/400KV CHAMPA-ICT-5 POWERGRID D	Spare Change Over - Rph unit will be taken back into service in place of spare unit. Dia to be kept open. For AMP works. Dia to be kept open.	02/Jan/2025 09:30	02/Jan/2025 17:30	ICT-5 PLANNED	Requested	02/Jan/2025 09:30	02/Jan/2025 17:30
RQ228831	OCC_586	POWERGRID_WR1	CHAMPA - 765KV B/R 1 POWERGRID D	Spare Change Over - Rph unit will be taken back into service in place of spare unit. Dia to be kept open. For AMP works. Dia to be kept open.	02/Jan/2025 09:30	02/Jan/2025 17:30	765KV B/R PLANNED	Requested	02/Jan/2025 09:30	02/Jan/2025 17:30
RQ228493	OCC_586	POWERGRID_WR1	765KV/400KV CHAMPA-ICT-5 POWERGRID D	Spare Change Over - Rph unit will be taken back into service in place of spare unit. Dia to be kept open. For AMP works. Dia to be kept open.	02/Jan/2025 09:30	02/Jan/2025 17:30	ICT-5 PLANNED	Requested	02/Jan/2025 09:30	02/Jan/2025 17:30
RQ228494	OCC_586	POWERGRID_WR1	CHAMPA - 765KV B/R 1 POWERGRID D	Spare Change Over - Rph unit will be taken back into service in place of spare unit. Dia to be kept open. For CB TESTING AND CAPACITANCE MEASUREMENT FOR AMP WORK	02/Jan/2025 09:30	02/Jan/2025 17:30	765KV B/R PLANNED	Requested	02/Jan/2025 09:30	02/Jan/2025 17:30
RQ230531	OCC_586	POWERGRID_WR2	400KV-BALGARH-KASOR-2 FSC@ BALGARH POWERGRID D	MEASUREMENT	02/Jan/2025 09:30	02/Jan/2025 18:00	PG-WR2-R PLANNED	Requested	02/Jan/2025 09:30	02/Jan/2025 18:00
RQ230553	OCC_586	POWERGRID_WR2	220KV-KANRAPAR 18.2-HALDARWA-1 POWERGRID D	FOR AMP WORK	02/Jan/2025 09:30	02/Jan/2025 18:00	PG-WR2-N PLANNED	Requested	02/Jan/2025 09:30	02/Jan/2025 18:00



RQ230378	OCC_586	POWERGRID_WR2	400KV-CRPL-JETPUR-2	POWERGRID D	Simultaneous outage of JETPUR - 400KV - BUS 1 is required for inspection of Bus 1 Isolator by OEM, in case Transfer bus is not free. Reactor ODS maintenance also to be done by OEM. Dia to kept open at both ends	03/Jan/2025 13:00	03/Jan/2025 18:00	PG-WR2-BI PLANNED	Requested	03/Jan/2025 18:00
RQ230572	OCC_586	POWERGRID_WR2	MAIN BAY - 220KV-REWA-BADWAR-1 AND REWA - 220KV - BUS 1 at REWA - 220KV	POWERGRID D	DCIM test of CB, feeder will be in service through TBC	03/Jan/2025 14:00	03/Jan/2025 17:30	PG-WR2- R PLANNED	Requested	03/Jan/2025 17:30
RQ230637	OCC_586	POWERGRID_WR1	TIE BAY OF 400KV-NEEMUCH-MANDSAUR-MP-2 AND 400KV-NEEMUCH-CHITTORGARH-2 @NEEMUCH - 400KV at NEEMUCH - 400KV	PNTSL D	CT Oil Sample-DGA	03/Jan/2025 15:00	03/Jan/2025 17:00	PG-WR2-N PLANNED	Requested	03/Jan/2025 17:00
RQ229595	OCC_586	POWERGRID_WR1	KOLHAPUR GIS - 400KV B/R 1	POWERGRID C	Reactor AMP and turrel CT oil leakage attending	03/Jan/2025 08:00	04/Jan/2025 18:00	225 NVAR-1 PLANNED	Requested	04/Jan/2025 18:00
RQ229058	OCC_586	POWERGRID_WR1	KOLHAPUR GIS - 400KV B/R 1	POWERGRID C	Reactor AMP and turrel CT oil leakage attending	03/Jan/2025 08:00	04/Jan/2025 18:00	125 NVAR-1 PLANNED	Requested	04/Jan/2025 18:00
RQ228849	OCC_586	POWERGRID_WR1	KOLHAPUR GIS - 400KV B/R 1	POWERGRID C	Reactor AMP and turrel CT oil leakage attending	03/Jan/2025 08:00	04/Jan/2025 18:00	125 NVAR-1 PLANNED	Requested	04/Jan/2025 18:00
RQ228512	OCC_586	POWERGRID_WR1	KOLHAPUR GIS - 400KV B/R 1	POWERGRID C	Reactor AMP and turrel CT oil leakage attending	03/Jan/2025 08:00	04/Jan/2025 18:00	125 NVAR-1 PLANNED	Requested	04/Jan/2025 18:00
RQ227538	OCC_586	NTPC_JHANOR	220KV-GANDHAR-ZAGADIVA-1 MAIN BAY OF 400KV/11.9KV RGPPL-ST-2 AND RGPPL - 400KV - BUS 2 @RGPPL - 400KV at RGPPL - 400KV	GUJARAT C	Annual maintenance and testing	03/Jan/2025 08:00	04/Jan/2025 18:00	125 NVAR-1 PLANNED	Requested	04/Jan/2025 18:00
RQ227532	OCC_586	RGPPL	LEAVAGE FROM BREAKER POLE (492)	RGPPL C	ATTENDING MINOR SF6 LEAVAGE FROM BREAKER POLE (492)	03/Jan/2025 08:00	04/Jan/2025 20:00	Annual ma PLANNED	Requested	04/Jan/2025 18:00
RQ230508	OCC_586	POWERGRID_WR2	400KV-BACHAU-RANCHODPURA-1	POWERGRID C	Simultaneous outage of 400KV-BACHAU-RANCHODPURA-1 & 2 is required for execution of stringing work / Power Line Crossing of 765 KV D/C Banaskantha - Ahmedabad Transmission Line (Package TL02).	03/Jan/2025 08:00	05/Jan/2025 18:00	PG-WR2-B PLANNED	Requested	05/Jan/2025 18:00
RQ229507	OCC_586	POWERGRID_WR2	400KV-BACHAU-RANCHODPURA-2	POWERGRID C	Simultaneous outage of 400KV-BACHAU-RANCHODPURA-1 & 2 is required for execution of stringing work / Power Line Crossing of 765 KV D/C Banaskantha - Ahmedabad Transmission Line (Package TL02).	03/Jan/2025 08:00	05/Jan/2025 18:00	PG-WR2-B PLANNED	Requested	05/Jan/2025 18:00
RQ229525	OCC_586	POWERGRID_WR1	PUNE GIS - 400KV - BUS 1	POWERGRID C	Indoor GIS connection work without conductor Bus #1	03/Jan/2025 09:00	05/Jan/2025 18:00	OUTAGE IS PLANNED	Requested	05/Jan/2025 18:00
RQ229140	OCC_586	POWERGRID_WR1	PUNE GIS - 400KV - BUS 1	POWERGRID C	Indoor GIS connection work without conductor Bus #1	03/Jan/2025 09:00	05/Jan/2025 18:00	OUTAGE IS PLANNED	Requested	05/Jan/2025 18:00
RQ228933	OCC_586	POWERGRID_WR1	PUNE GIS - 400KV - BUS 1	POWERGRID C	Indoor GIS connection work without conductor Bus #1	03/Jan/2025 09:00	05/Jan/2025 18:00	OUTAGE IS PLANNED	Requested	05/Jan/2025 18:00
RQ228728	OCC_586	POWERGRID_WR1	PUNE GIS - 400KV - BUS 1	POWERGRID C	Indoor GIS connection work without conductor Bus #1	03/Jan/2025 09:00	05/Jan/2025 18:00	OUTAGE IS PLANNED	Requested	05/Jan/2025 18:00
RQ228389	OCC_586	POWERGRID_WR1	PUNE GIS - 400KV - BUS 1	POWERGRID C	Indoor GIS connection work without conductor Bus #1	03/Jan/2025 09:00	05/Jan/2025 18:00	OUTAGE IS PLANNED	Requested	05/Jan/2025 18:00
RQ229593	OCC_586	MSLDC_OUTAGE	MAIN BAY OF 400KV-WARDHA-WARORA-1 AND WARORA - 400KV - BUS 1 @WARORA - 400KV at WARORA - 400KV	MAHARASHI C	CB R.V.B ph pole Overhauling, CB R.V.B ph pole Mechanism overhauling Work.	03/Jan/2025 08:00	08/Jan/2025 22:00	PLANNED	Requested	08/Jan/2025 22:00
RQ230200	OCC_586	POWERGRID_WR2	MAIN BAY - 400KV/220KV DEHGAM-ICT-1 AND DEHGAM - 400KV - BUS 1 at DEHGAM - 400KV	POWERGRID C	400-49A Isolator retrofiting work Under ADD CAP	03/Jan/2025 09:00	11/Jan/2025 18:00	PG-WR2-DI PLANNED	Requested	11/Jan/2025 18:00
RQ230228	OCC_586	POWERGRID_WR2	400KV-NAGDA-SHUALPUR-1	POWERGRID C	Simultaneous outage of 400KV-NAGDA-SHUALPUR-1 & 2 is required for Diversion work Due to construction of new NH	03/Jan/2025 09:00	18/Jan/2025 18:00	PG-WR2-IR PLANNED	Requested	18/Jan/2025 18:00



86

87

MAIN BAY OF PACHORA PS - 400KV B/R 1 AND PACHORA PS - 400KV - BUS 2 @ PACHORA PS - 400KV at PACHORA PS - 400KV									
RQ227358	OCC_586	RTL	D	For AMP works 220KV A-bus Isolator R/M Works	18/Jan/2025 10:00	18/Jan/2025 18:00	Planned	Requested	18/Jan/2025 18:00
RQ228653	OCC_586	MSDC_OUTAGE	MAHARASI C	220KV A-bus Isolator R/M Works	18/Jan/2025 07:00	19/Jan/2025 20:00	Planned	Requested	19/Jan/2025 20:00
RQ229357	OCC_586	POWERGRID_WRI	POWERGRID C	Discharge Measurement HV test and partial	18/Jan/2025 09:00	19/Jan/2025 09:00	Outage is Planned	Requested	19/Jan/2025 18:00
RQ229346	OCC_586	POWERGRID_WRI	POWERGRID C	Discharge Measurement HV test and partial	18/Jan/2025 09:00	19/Jan/2025 18:00	Outage is Planned	Requested	19/Jan/2025 18:00
RQ228939	OCC_586	POWERGRID_WRI	POWERGRID C	Discharge Measurement HV test and partial	18/Jan/2025 09:00	19/Jan/2025 18:00	Outage is Planned	Requested	19/Jan/2025 18:00
RQ227372	OCC_586	POWERGRID_WRI	POWERGRID C	Discharge Measurement HV test and partial	18/Jan/2025 09:00	19/Jan/2025 18:00	Outage is Planned	Requested	19/Jan/2025 18:00
RQ228395	OCC_586	POWERGRID_WRI	POWERGRID C	Discharge Measurement HV test and partial	18/Jan/2025 09:00	19/Jan/2025 18:00	Outage is Planned	Requested	19/Jan/2025 18:00
RQ228238	OCC_586	POWERGRID_WRI	POWERGRID C	Discharge Measurement HV test and partial	18/Jan/2025 09:00	19/Jan/2025 18:00	Outage is Planned	Requested	19/Jan/2025 18:00
RQ228327	OCC_586	POWERGRID_WRI	POWERGRID C	Retrofitting and Testing of Numerical LBB Protection	18/Jan/2025 09:00	19/Jan/2025 20:00	Planned	Requested	19/Jan/2025 20:00
RQ228920	OCC_586	POWERGRID_WRI	POWERGRID C	Retrofitting and Testing of Numerical LBB Protection	18/Jan/2025 09:00	19/Jan/2025 20:00	Planned	Requested	19/Jan/2025 20:00
RQ228713	OCC_586	POWERGRID_WRI	POWERGRID C	Retrofitting and Testing of Numerical LBB Protection	18/Jan/2025 09:00	19/Jan/2025 20:00	Planned	Requested	19/Jan/2025 20:00
RQ228376	OCC_586	POWERGRID_WRI	POWERGRID C	Retrofitting and Testing of Numerical LBB Protection	18/Jan/2025 09:00	19/Jan/2025 20:00	Planned	Requested	19/Jan/2025 20:00
RQ230931	OCC_586	MSDC_OUTAGE	MAHARASI C	CB pole overhauling work. 400/220 KV ICT HV will be in service through TBC 404-598 & 89A Isolator retrofitting work Under ADD CAP	18/Jan/2025 08:00	22/Jan/2025 18:00	400/220 KV Planned	Requested	22/Jan/2025 18:00
RQ230203	OCC_586	POWERGRID_WRI	POWERGRID C	Installation of Saver Assembly at various Locations.	18/Jan/2025 09:00	31/Jan/2025 18:00	PG-WR2-DI Planned	Requested	31/Jan/2025 18:00
RQ228658	OCC_586	MSDC_OUTAGE	MAHARASI D	Outage is required for safety purpose during installation of Saver Assembly at various Locations of 220KV PGCL.	19/Jan/2025 05:00	19/Jan/2025 09:00	Planned	Requested	19/Jan/2025 09:00
RQ228659	OCC_586	MSDC_OUTAGE	MAHARASI D	Panchali line For OPGW stringing under live line condition	19/Jan/2025 07:00	19/Jan/2025 18:00	PG-WR2-U Planned	Requested	19/Jan/2025 18:00
RQ230773	OCC_586	POWERGRID_WRI	POWERGRID D	For OPGW stringing under live line condition	19/Jan/2025 07:00	19/Jan/2025 18:00	PG-WR2-U Planned	Requested	19/Jan/2025 18:00
RQ230321	OCC_586	POWERGRID_WRI	POWERGRID D	ATTENDING S/D NATURE DEFECTS IN LINE, A/R of of Ckt 1 is required. Due to be kept open at both ends. AUTO RECLOSE IN NON- AUTO MODE FOR OPGW ERECTION WORKS by POWERGRID	19/Jan/2025 07:00	19/Jan/2025 18:00	PG-WR2-JP Planned	Requested	19/Jan/2025 18:00
RQ228604	OCC_586	POWERGRID_WRI	POWERGRID D	AUTO RECLOSE IN NON- AUTO MODE FOR OPGW ERECTION WORKS by POWERGRID	19/Jan/2025 07:00	19/Jan/2025 18:00	Planned	Requested	19/Jan/2025 18:00
RQ228654	OCC_586	POWERGRID_WRI	POWERGRID D	AUTO RECLOSE IN NON- AUTO MODE FOR OPGW ERECTION WORKS by POWERGRID	19/Jan/2025 07:00	19/Jan/2025 18:00	On the same Planned	Requested	19/Jan/2025 18:00
RQ228654	OCC_586	POWERGRID_WRI	POWERGRID D	AUTO RECLOSE IN NON- AUTO MODE FOR OPGW ERECTION WORKS by POWERGRID	19/Jan/2025 07:00	19/Jan/2025 18:00	Planned	Requested	19/Jan/2025 18:00
RQ228574	OCC_586	POWERGRID_WRI	POWERGRID D	AUTO RECLOSE IN NON- AUTO MODE FOR OPGW ERECTION WORKS by POWERGRID	19/Jan/2025 07:00	19/Jan/2025 18:00	On the same Planned	Requested	19/Jan/2025 18:00
RQ228696	OCC_586	GETCO	GUJARAT D	Only AR remain in out for OPGW Installation work in 400 KV Hadala-Varsana line.	19/Jan/2025 07:00	19/Jan/2025 18:00	Planned	Requested	19/Jan/2025 18:00



RQ228344	OCC_586	POWERGRID_WRI	MAIN BAY - 765KV/400KV TAMNAR-ICT-1 AND TAMNAR - 400KV - BUS 3 at TAMNAR - 400KV TIE BAY - 765KV/GADARWABA-WARORA-PG-2 AND 765KV-WARORA-PG-PARLI NEM-1 at WARORA-PG - 765KV	POWERGRID D	Bay AMP works	20/Jan/2025 09:00	20/Jan/2025 18:00	Planned	Requested	20/Jan/2025 09:00	20/Jan/2025 18:00
RQ228482	OCC_586	POWERGRID_WRI	TIE BAY - 765KV/400KV BILASPUR-SEON-1 AND BILASPUR - 765KV B/R 1 at BILASPUR - 765KV 220KV/NAVSAH-BHETAM-1	PWTL-POW D	For Tie Bay AMP-711	20/Jan/2025 09:00	20/Jan/2025 18:00	Planned	Requested	20/Jan/2025 09:00	20/Jan/2025 18:00
RQ228506	OCC_586	POWERGRID_WRI	MAIN BAY - 400KV/JALAPUR-REWA-1 AND JALAPUR - 400KV - BUS 1 at JALAPUR - 400KV CHAMPA - 765KV - BUS 2	POWERGRID D	AMP Work	20/Jan/2025 09:00	20/Jan/2025 20:00	Planned	Requested	20/Jan/2025 09:00	20/Jan/2025 20:00
RQ228510	OCC_586	GETCO	CHAMPA - 765KV - BUS 2	POWERGRID D	FOR AMP WORKS	20/Jan/2025 09:00	20/Jan/2025 17:30	Planned	Requested	20/Jan/2025 09:00	20/Jan/2025 17:30
RQ228828	OCC_586	POWERGRID_WRI	CHAMPA - 765KV - BUS 2	POWERGRID D	FOR AMP WORKS	20/Jan/2025 09:00	20/Jan/2025 17:30	Planned	Requested	20/Jan/2025 09:00	20/Jan/2025 17:30
RQ228911	OCC_586	POWERGRID_WRI	CHAMPA - 765KV - BUS 2	POWERGRID D	FOR AMP WORKS	20/Jan/2025 09:00	20/Jan/2025 17:30	Planned	Requested	20/Jan/2025 09:00	20/Jan/2025 17:30
RQ229252	OCC_586	POWERGRID_WRI	400KV/MAGDA-DEHGAH-1	POWERGRID D	DIFFERENTIAL RELAY RETROFITTING WORK	20/Jan/2025 10:00	20/Jan/2025 11:00	Planned	Requested	20/Jan/2025 10:00	20/Jan/2025 11:00
RQ229815	OCC_586	MSLDC_OUTAGE	TIE BAY - 765KV/400KV EKTUNI-ICT-2 AND EKTUNI - 765KV B/R 1 at EKTUNI - 765KV	MAHARASHI D	Diagnostic Testing and Routine Maintenance Works	20/Jan/2025 10:00	20/Jan/2025 13:00	Planned	Requested	20/Jan/2025 10:00	20/Jan/2025 13:00
RQ229864	OCC_586	MSLDC_OUTAGE	TIE BAY - 400KV/KOLHAPUR-MS-ALKUD-1 AND FUTURE at ALKUD - 400KV	MAHARASHI D	Diagnostic Testing and Routine Maintenance work.	20/Jan/2025 10:00	20/Jan/2025 17:00	Planned	Requested	20/Jan/2025 10:00	20/Jan/2025 17:00
RQ229865	OCC_586	MSLDC_OUTAGE	MAIN BAY - 400KV/KOLHAPUR-MS-ALKUD-1 AND ALKUD - 400KV - BUS 1 at ALKUD - 400KV	MAHARASHI D	Diagnostic Testing and Routine Maintenance work.	20/Jan/2025 10:00	20/Jan/2025 17:00	Planned	Requested	20/Jan/2025 10:00	20/Jan/2025 17:00
RQ229866	OCC_586	MSLDC_OUTAGE	400KV/KOLHAPUR-MS-ALKUD-1	WPL-ADA D	Diagnostic Testing and Routine Maintenance work.	20/Jan/2025 10:00	20/Jan/2025 17:00	Planned	Requested	20/Jan/2025 10:00	20/Jan/2025 17:00
RQ229867	OCC_586	MSLDC_OUTAGE	ALKUD - 400KV - BUS 2	MAHARASHI D	Diagnostic Testing and Routine Maintenance work.	20/Jan/2025 10:00	20/Jan/2025 17:00	Planned	Requested	20/Jan/2025 10:00	20/Jan/2025 17:00
RQ229823	OCC_586	POWERGRID_WRI	400KV/MAGDA-DEHGAH-1 L/R @ MAGDA - 400KV	POWERGRID D	DIFFERENTIAL RELAY RETROFITTING WORK	20/Jan/2025 10:00	20/Jan/2025 18:00	Planned	Requested	20/Jan/2025 10:00	20/Jan/2025 18:00
RQ227746	OCC_586	ATIL	MAIN BAY OF 765KV-LAKADIA-BANASKANTHA-2 AND LAKADIA - 765KV - BUS 1 @ LAKADIA - 765KV	D	For Repairing of CT composite insulators in Y-ph of Bay 713	20/Jan/2025 10:00	20/Jan/2025 20:00	Planned	Requested	20/Jan/2025 10:00	20/Jan/2025 20:00
RQ229816	OCC_586	MSLDC_OUTAGE	MAIN BAY - 765KV/400KV EKTUNI-ICT-1 AND EKTUNI - 765KV - BUS 2 at EKTUNI - 765KV	MAHARASHI D	Diagnostic Testing and Routine Maintenance Works	20/Jan/2025 14:00	20/Jan/2025 18:00	Planned	Requested	20/Jan/2025 14:00	20/Jan/2025 18:00
RQ229817	OCC_586	MSLDC_OUTAGE	MAIN BAY - EKTUNI - 765KV B/R 1 AND EKTUNI - 765KV - BUS 1 at EKTUNI - 765KV	MAHARASHI D	Diagnostic Testing and Routine Maintenance Works	20/Jan/2025 14:00	20/Jan/2025 18:00	Planned	Requested	20/Jan/2025 14:00	20/Jan/2025 18:00
RQ229824	OCC_586	POWERGRID_WRI	400KV/MAGDA-DEHGAH-1	POWERGRID D	DIFFERENTIAL RELAY RETROFITTING WORK	20/Jan/2025 17:00	20/Jan/2025 18:00	Planned	Requested	20/Jan/2025 17:00	20/Jan/2025 18:00
RQ229826	OCC_586	POWERGRID_WRI	PUNE-GIS - 400KV - BUS 2	POWERGRID C	Discharge Measurement HV test and Partial	20/Jan/2025 09:00	21/Jan/2025 18:00	Planned	Requested	20/Jan/2025 09:00	21/Jan/2025 18:00
RQ229847	OCC_586	POWERGRID_WRI	PUNE-GIS - 400KV - BUS 2	POWERGRID C	Discharge Measurement HV test and Partial	20/Jan/2025 09:00	21/Jan/2025 18:00	Planned	Requested	20/Jan/2025 09:00	21/Jan/2025 18:00
RQ229840	OCC_586	POWERGRID_WRI	PUNE-GIS - 400KV - BUS 2	POWERGRID C	Discharge Measurement HV test and Partial	20/Jan/2025 09:00	21/Jan/2025 18:00	Planned	Requested	20/Jan/2025 09:00	21/Jan/2025 18:00
RQ229873	OCC_586	POWERGRID_WRI	PUNE-GIS - 400KV - BUS 2	POWERGRID C	Discharge Measurement HV test and Partial	20/Jan/2025 09:00	21/Jan/2025 18:00	Planned	Requested	20/Jan/2025 09:00	21/Jan/2025 18:00
RQ229896	OCC_586	POWERGRID_WRI	PUNE-GIS - 400KV - BUS 2	POWERGRID C	Discharge Measurement HV test and Partial	20/Jan/2025 09:00	21/Jan/2025 18:00	Planned	Requested	20/Jan/2025 09:00	21/Jan/2025 18:00
RQ229829	OCC_586	POWERGRID_WRI	400KV/TARAPUR 3&4-PADGHE-2	POWERGRID C	Discharge Measurement HV test and Partial	20/Jan/2025 09:00	21/Jan/2025 18:00	Planned	Requested	20/Jan/2025 09:00	21/Jan/2025 18:00
RQ229828	OCC_586	POWERGRID_WRI	400KV/TARAPUR 3&4-PADGHE-2	POWERGRID C	Discharge Measurement HV test and Partial	20/Jan/2025 09:00	21/Jan/2025 18:00	Planned	Requested	20/Jan/2025 09:00	21/Jan/2025 18:00
RQ229821	OCC_586	POWERGRID_WRI	400KV/TARAPUR 3&4-PADGHE-2	POWERGRID C	Discharge Measurement HV test and Partial	20/Jan/2025 09:00	21/Jan/2025 18:00	Planned	Requested	20/Jan/2025 09:00	21/Jan/2025 18:00
RQ229814	OCC_586	POWERGRID_WRI	400KV/TARAPUR 3&4-PADGHE-2	POWERGRID C	Discharge Measurement HV test and Partial	20/Jan/2025 09:00	21/Jan/2025 18:00	Planned	Requested	20/Jan/2025 09:00	21/Jan/2025 18:00
RQ229877	OCC_586	POWERGRID_WRI	400KV/TARAPUR 3&4-PADGHE-2	POWERGRID C	Discharge Measurement HV test and Partial	20/Jan/2025 09:00	21/Jan/2025 18:00	Planned	Requested	20/Jan/2025 09:00	21/Jan/2025 18:00
RQ227888	OCC_586	KBTL	765KV/AHAYDA PS-BHUP-1	KBTL C	Annual Maintenance	20/Jan/2025 19:00	21/Jan/2025 05:00	Planned	Requested	20/Jan/2025 19:00	21/Jan/2025 05:00

8



TIE BAY OF 765KV-LAKADIA-BANUSKANTHA-2 AND FUTURE @LAKADIA - 765KV at LAKADIA - 765KV					For Repairing of CT composite Insulators in R-ph of Bay 714 1) Bay strengthening of 220KV Tarapur Bay & 220KV Ghodunder Bay. 2) Bay Maintenance & Equipment Testing of 220KV B-bus. Indoor GIS connection work with conductor Bus #1 and bus stability Indoor GIS connection work with conductor Bus #1 and bus stability Indoor GIS connection work with conductor Bus #1 and bus stability Indoor GIS connection work with conductor Bus #1 and bus stability Indoor GIS connection work with conductor Bus #1 and bus stability Indoor GIS connection work with conductor Bus #1 and bus stability Indoor GIS connection work with conductor Bus #1 and bus stability For Installation of Connecting Chamber without Link for Extension of Main BUS, HV and PDM Test For Installation of Connecting Chamber without Link for Extension of Main BUS, HV and PDM Test For Installation of Connecting Chamber without Link for Extension of Main BUS, HV and PDM Test For Installation of Connecting Chamber without Link for Extension of Main BUS, HV and PDM Test For Installation of Connecting Chamber without Link for Extension of Main BUS, HV and PDM Test For Installation of Connecting Chamber without Link for Extension of Main BUS, HV and PDM Test A/R Out required for This line due to maintenance work of 400 KV Hadala - Jetpur line. For OPGW stringing under live line condition For OPGW stringing under live line condition AUTO RECLOSE IN NON-AUTO MODE FOR OPGW ERECTION WORKS by POWERGRID AUTO RECLOSE IN NON-AUTO MODE FOR OPGW ERECTION WORKS by POWERGRID AUTO RECLOSE IN NON-AUTO MODE FOR OPGW ERECTION WORKS by CHATTISGAH AUTO RECLOSE IN NON-AUTO MODE FOR OPGW ERECTION WORKS by CHATTISGAH Only AR remain In cut for OPGW installation work in 400 KV Hadala-Varsana line.	LVTPLATIL D	MAHAJAGI C	POWERGRI C	POWERGRI C	POWERGRI C	POWERGRI C	POWERGRI C	POWERGRI C	POWERGRI C	POWERGRI C	POWERGRI C	POWERGRI C	POWERGRI C	GUJARAT D	POWERGRI D	POWERGRI D	POWERGRI D	POWERGRI D	CHATTISGAH D	CHATTISGAH D	GUJARAT D								
RQ227702	OCC_586	ATIL	MELDC_OUTAGE	BOISAR-M - 220KV - BUS 2	PUNE-GIS - 400KV - BUS 1	PUNE-GIS - 400KV - BUS 1	PUNE-GIS - 400KV - BUS 1	PUNE-GIS - 400KV - BUS 1	PUNE-GIS - 400KV - BUS 1	PUNE-GIS - 400KV - BUS 1	PUNE-GIS - 400KV - BUS 1	PUNE-GIS - 400KV - BUS 1	PUNE-GIS - 400KV - BUS 1	PADGHE-PG - 765KV - BUS 2	PADGHE-PG - 765KV - BUS 2	PADGHE-PG - 765KV - BUS 2	PADGHE-PG - 765KV - BUS 2	PADGHE-PG - 765KV - BUS 2	PADGHE-PG - 765KV - BUS 2	GETCO	POWERGRID_WPT1	POWERGRID_WPT2	POWERGRID_WPT2	POWERGRID_WPT1	POWERGRID_WPT1	POWERGRID_WPT1	POWERGRID_WPT1	CHATTISGAH CG-1	220KV-BHATAPARA-SUHELA-3	220KV-BHATAPARA-SUHELA-3	GETCO	400KV-HADALA-VARSANA-1		
RQ228905	OCC_586																																	
RQ229259	OCC_586																																	
RQ229348	OCC_586																																	
RQ228941	OCC_586																																	
RQ228734	OCC_586																																	
RQ228397	OCC_586																																	
RQ228243	OCC_586																																	
RQ228312	OCC_586																																	
RQ228915	OCC_586																																	
RQ228718	OCC_586																																	
RQ228381	OCC_586																																	
RQ228245	OCC_586																																	
RQ230749	OCC_586																																	
RQ230780	OCC_586																																	
RQ228636	OCC_586																																	
RQ228643	OCC_586																																	
RQ228650	OCC_586																																	
RQ228657	OCC_586																																	
RQ228103	OCC_586																																	



RQ229572	OCC_586	CGPL	400KV-CGPI-IETPUR-2 U@ CGPL - 400KV	CGPL	C	Reactor Testing & PM For Annual Maintenance Program at 400 KV Switchyard Korba West. Annual Maintenance Program FOR ANNUAL MAINTENANCE & TESTING WORK Annual PM and Testing of 765KV Breaker & CT of Bay 703 Annual Maintenance SASHUN_C	28/Jan/2025 08:00	29/Jan/2025 17:00	Reactor Te	PLANNED	Requested	28/Jan/2025 08:00	29/Jan/2025 17:00
RQ229551	OCC_586	SUDC_CG	400KV/11KV KORBA WEST EXTENSION-ST-1	CHATTISGA C	CHATTISGA C	Switchyard Korba West. Annual Maintenance Program FOR ANNUAL MAINTENANCE & TESTING WORK	28/Jan/2025 08:00	29/Jan/2025 17:00	PLANNED	Requested	28/Jan/2025 08:00	29/Jan/2025 17:00	
RQ229552	OCC_586	SUDC_CG	400KV/220KV KURUD-ICT-1	CHATTISGA C	CHATTISGA C	Switchyard Korba West. Annual Maintenance Program FOR ANNUAL MAINTENANCE & TESTING WORK	28/Jan/2025 08:00	29/Jan/2025 17:00	PLANNED	Requested	28/Jan/2025 08:00	29/Jan/2025 17:00	
RQ229443	OCC_586	MP_SIDC	400KV-BHOPAL-MP-BHOPAL-BDCL-2 MAIN BAY - 765KV/132KV GADARWARA-ICT-2 AND GADARWARA - 765KV - BUS 2 at GADARWARA - 765KV	BDCL	C	Annual PM and Testing of 765KV Breaker & CT of Bay 703 Annual Maintenance SASHUN_C	28/Jan/2025 09:00	29/Jan/2025 18:00	PLANNED	Requested	28/Jan/2025 09:00	29/Jan/2025 18:00	
RQ227706	OCC_586	NTPC	400KV-BHOPAL-MP-BHOPAL-BDCL-2 MAIN BAY - 765KV/132KV GADARWARA-ICT-2 AND GADARWARA - 765KV	NTPC	C	Annual PM and Testing of 765KV Breaker & CT of Bay 703 Annual Maintenance SASHUN_C	28/Jan/2025 08:00	30/Jan/2025 18:00	PLANNED	Requested	28/Jan/2025 08:00	30/Jan/2025 18:00	
RQ227530	OCC_586	SASHUN	400KV/132KV SASHUN-ICT-2	SASHUN_C	C	Annual Maintenance SASHUN_C	28/Jan/2025 09:00	30/Jan/2025 17:59	PLANNED	Requested	28/Jan/2025 09:00	30/Jan/2025 17:59	
RQ229280	OCC_586	POWERGRID_WRI1	PUNE-GIS - 400KV - BUS 2	POWERGRID C	C	Indoor GIB connection work With conductor Bus # 2 and bus stability	28/Jan/2025 09:00	30/Jan/2025 18:00	OUTAGE IS PLANNED	Requested	28/Jan/2025 09:00	30/Jan/2025 18:00	
RQ228949	OCC_586	POWERGRID_WRI1	PUNE-GIS - 400KV - BUS 2	POWERGRID C	C	Indoor GIB connection work With conductor Bus # 2 and bus stability	28/Jan/2025 09:00	30/Jan/2025 18:00	OUTAGE IS PLANNED	Requested	28/Jan/2025 09:00	30/Jan/2025 18:00	
RQ228942	OCC_586	POWERGRID_WRI1	PUNE-GIS - 400KV - BUS 2	POWERGRID C	C	Indoor GIB connection work With conductor Bus # 2 and bus stability	28/Jan/2025 09:00	30/Jan/2025 18:00	OUTAGE IS PLANNED	Requested	28/Jan/2025 09:00	30/Jan/2025 18:00	
RQ228735	OCC_586	POWERGRID_WRI1	PUNE-GIS - 400KV - BUS 2	POWERGRID C	C	Indoor GIB connection work With conductor Bus # 2 and bus stability	28/Jan/2025 09:00	30/Jan/2025 18:00	OUTAGE IS PLANNED	Requested	28/Jan/2025 09:00	30/Jan/2025 18:00	
RQ228390	OCC_586	POWERGRID_WRI1	PUNE-GIS - 400KV - BUS 2	POWERGRID C	C	Indoor GIB connection work With conductor Bus # 2 and bus stability	28/Jan/2025 09:00	30/Jan/2025 18:00	OUTAGE IS PLANNED	Requested	28/Jan/2025 09:00	30/Jan/2025 18:00	
RQ230671	OCC_586	POWERGRID_WRI2	400KV-KORADI-SATPURA-1 BUS SECTIONALIZER BAY - TAMNAR - 765KV - BUS 2 AND TAMNAR - 765KV - BUS 4 at TAMNAR	POWERGRID C	C	Overhauling & AMP works	28/Jan/2025 07:00	31/Jan/2025 23:00	PG-WR2-IT PLANNED	Requested	28/Jan/2025 07:00	31/Jan/2025 23:00	
RQ229209	OCC_586	POWERGRID_WRI1	BUS SECTIONALIZER BAY - TAMNAR - 765KV - BUS 2 AND TAMNAR - 765KV - BUS 4 at TAMNAR	POWERGRID C	C	Overhauling & AMP works	28/Jan/2025 09:00	31/Jan/2025 18:00	PLANNED	Requested	28/Jan/2025 09:00	31/Jan/2025 18:00	
RQ229098	OCC_586	POWERGRID_WRI1	BUS SECTIONALIZER BAY - TAMNAR - 765KV - BUS 2 AND TAMNAR - 765KV - BUS 4 at TAMNAR	POWERGRID C	C	Overhauling & AMP works	28/Jan/2025 09:00	31/Jan/2025 18:00	PLANNED	Requested	28/Jan/2025 09:00	31/Jan/2025 18:00	
RQ228891	OCC_586	POWERGRID_WRI1	BUS SECTIONALIZER BAY - TAMNAR - 765KV - BUS 2 AND TAMNAR - 765KV - BUS 4 at TAMNAR	POWERGRID C	C	Overhauling & AMP works	28/Jan/2025 09:00	31/Jan/2025 18:00	PLANNED	Requested	28/Jan/2025 09:00	31/Jan/2025 18:00	
RQ228684	OCC_586	POWERGRID_WRI1	BUS SECTIONALIZER BAY - TAMNAR - 765KV - BUS 2 AND TAMNAR - 765KV - BUS 4 at TAMNAR	POWERGRID C	C	Overhauling & AMP works	28/Jan/2025 09:00	31/Jan/2025 18:00	PLANNED	Requested	28/Jan/2025 09:00	31/Jan/2025 18:00	
RQ228347	OCC_586	POWERGRID_WRI1	BUS SECTIONALIZER BAY - TAMNAR - 765KV - BUS 2 AND TAMNAR - 765KV - BUS 4 at TAMNAR	POWERGRID C	C	Overhauling & AMP works	28/Jan/2025 09:00	31/Jan/2025 18:00	PLANNED	Requested	28/Jan/2025 09:00	31/Jan/2025 18:00	
RQ230752	OCC_586	POWERGRID_WRI2	400KV-CGPI-IETPUR-1	POWERGRID D	D	For OPGW stringing under live line condition	29/Jan/2025 07:00	29/Jan/2025 18:00	PG-WR2-U PLANNED	Requested	29/Jan/2025 07:00	29/Jan/2025 18:00	
RQ230713	OCC_586	POWERGRID_WRI2	765KV-JABALPUR-ORAI-1	POWERGRID D	D	For OPGW stringing under live line condition	29/Jan/2025 07:00	29/Jan/2025 18:00	PG-WR2-U PLANNED	Requested	29/Jan/2025 07:00	29/Jan/2025 18:00	
RQ230115	OCC_586	MSIDC_OUTAGE	400KV-RGPH-NEW KOYNA-2	MAHABADI D	D	Permission for Auto Reclose to be kept in Non auto mode for PID testing work AUTO RECLOSE IN NON-AUTO MODE FOR OPGW ERECTION WORKS by POWERGRID	29/Jan/2025 07:00	29/Jan/2025 18:00	PLANNED	Requested	29/Jan/2025 07:00	29/Jan/2025 18:00	
RQ228639	OCC_586	POWERGRID_WRI1	400KV-BHILAI-BHATAPARA-1	POWERGRID D	D	AUTO RECLOSE IN NON-AUTO MODE FOR OPGW ERECTION WORKS by POWERGRID	29/Jan/2025 07:00	29/Jan/2025 18:00	OPGW Erw PLANNED	Requested	29/Jan/2025 07:00	29/Jan/2025 18:00	
RQ228646	OCC_586	POWERGRID_WRI1	400KV-KORBA-MTPC-BHATAPARA-1	POWERGRID D	D	AUTO RECLOSE IN NON-AUTO MODE FOR OPGW ERECTION WORKS by POWERGRID	29/Jan/2025 07:00	29/Jan/2025 18:00	On the way PLANNED	Requested	29/Jan/2025 07:00	29/Jan/2025 18:00	
RQ228653	OCC_586	POWERGRID_WRI1	220KV-BHATAPARA-BHATAPARA-CG-1	CHATTISGA D	D	ERECTON WORKS by POWERGRID	29/Jan/2025 07:00	29/Jan/2025 18:00	Under cross PLANNED	Requested	29/Jan/2025 07:00	29/Jan/2025 18:00	
RQ228660	OCC_586	POWERGRID_WRI1	220KV-BHATAPARA-SUIHELA-3	CHATTISGA D	D	ERECTON WORKS by POWERGRID	29/Jan/2025 07:00	29/Jan/2025 18:00	Under cross PLANNED	Requested	29/Jan/2025 07:00	29/Jan/2025 18:00	
RQ228106	OCC_586	GETCO	400KV-HADALA-VANASANA-1	GUJARAT D	D	Only AR remain in out for OPGW installation work in 400 KV Hadala-Vasana line.	29/Jan/2025 07:00	29/Jan/2025 18:00	PLANNED	Requested	29/Jan/2025 07:00	29/Jan/2025 18:00	

90



144	ADDITIONAL	OCC_S86	POWERGRID_WRI2	MAIN BAY - 765KV/400KV PUNE-GIS-ICT-3 AND PUNE-GIS - 765KV - BUS 2 at Pune-GIS - 765KV	C	HV test Partial Discharge Measurement and Interconnection of new GIS bay with existing GIS bay	22-Jan-2025	09:00	23-Jan-2025	18:00	OUTAGE IS BEING TAKEN FOR 765 kV	Outage	Bay
145	ADDITIONAL	OCC_S86	POWERGRID_WRI1	TIE BAY - 765KV-PUNE-GIS-PADGHE-PG-1 AND 765KV/400KV PUNE-GIS-ICT-3 at Pune-GIS - 765KV	C	HV test Partial Discharge Measurement and Interconnection of new GIS bay with existing GIS bay	22-Jan-2025	09:00	23-Jan-2025	18:00	OUTAGE IS BEING TAKEN FOR 765 kV	Outage	Bay
146	ADDITIONAL	OCC_S86	POWERGRID_WRI1	400KV/220KV PUNE-GIS-ICT-2	C	Indoor GIS connection work with conductor Bus #1 and bus stability	25-Jan-2025	09:00	27-Jan-2025	18:00	OUTAGE IS BEING TAKEN FOR 400/220KV	Outage	Bay
147	ADDITIONAL	OCC_S86	POWERGRID_WRI1	400KV-BHADRAWATI-BHADRAWATI HVDC-1	D	GEC Alstom / MCTI (50LBB) Model relay will be upgraded to Numerical relay under ADD CAP	28-Jan-2025	09:00	28-Jan-2025	18:00	LBB Relay retrofitting & testing under ADD CAP	Outage	TRANSFORMER
148	ADDITIONAL	OCC_S86	POWERGRID_WRI1	BHADRAWATI HVDC - 400KV - BUS 1	D	GEC Alstom / MCTI (50LBB) Model relay will be upgraded to Numerical relay under ADD CAP	28-Jan-2025	09:00	28-Jan-2025	18:00	400KV_SOUTH_BUS-1 outage is required	Outage	AC TRANSMISSION LINE CIRCUIT
149	ADDITIONAL	OCC_S86	POWERGRID_WRI1	BHADRAWATI HVDC - 400KV - BUS 1	D	GEC Alstom / MCTI (50LBB) Model relay will be upgraded to Numerical relay under ADD CAP	28-Jan-2025	09:00	28-Jan-2025	18:00	400KV_WEST_BUS-1 outage is required	Outage	BUS
150	ADDITIONAL	OCC_S86	POWERGRID_WRI1	400KV/220KV PUNE-GIS-ICT-2	C	Indoor GIS connection work with conductor Bus #1 and bus stability	28-Jan-2025	09:00	30-Jan-2025	18:00	OUTAGE IS BEING TAKEN FOR 400/220KV	Outage	TRANSFORMER
151	ADDITIONAL	OCC_S86	POWERGRID_WRI1	HVDC 205KV BHADRAWATI POLE 2	C	Pole and West & South side converter transformer AMP works, installation of cable tray, Connected Bay AMP works, WTI & OTI installation. Main & Tie bay GEC Alstom / MCTI (50LBB) Model relay will be upgraded to Numerical relay under ADD CAP	30-Jan-2025	08:00	31-Jan-2025	18:00	Pole and West & South side converter transformer AMP works, installation of cable tray, Connected Bay AMP works, WTI & OTI installation. Main & Tie bay GEC Alstom / MCTI (50LBB) Model relay will be upgraded to Numerical relay under ADD CAP	Outage	HVDC POLE
152	ADDITIONAL	OCC_S86	POWERGRID_WRI1	BHADRAWATI HVDC - 400KV - BUS 2	D	GEC Alstom / MCTI (50LBB) Model relay will be upgraded to Numerical relay under ADD CAP	31-Jan-2025	09:00	31-Jan-2025	18:00	400KV_SOUTH_BUS-2 outage is required	Outage	BUS
153	ADDITIONAL	OCC_S86	POWERGRID_WRI1	BHADRAWATI HVDC - 400KV - BUS 2	D	GEC Alstom / MCTI (50LBB) Model relay will be upgraded to Numerical relay under ADD CAP	31-Jan-2025	09:00	31-Jan-2025	18:00	400KV_WEST_BUS-2 outage is required	Outage	BUS
154	ADDITIONAL	OCC_S86	POWERGRID_WRI1	MAIN BAY OF 400KV-PADGHE-PG-KUDUS-1 AND KUDUS - 400KV - BUS 2 AND KUDUS - 400KV at KUDUS - 400KV	D	AMP of Bay Equipment	25-Jan-25	09:00	25-Jan-25	17:00		Outage	Bay
155	ADDITIONAL	OCC_S86	POWERGRID_WRI1	TIE BAY - 400KV-PARLI-SOLAPUR-2 AND 400KV-BHADRAWATI-PARLI-1 at PARLI - 400KV	D	For Bay AMP work at Parli 400 Substation	02-Jan-2025	08:00	02-Jan-2025	18:00	For Bay AMP work at Parli 400 Substation	Outage	Bay
156	ADDITIONAL	OCC_S86	POWERGRID_WRI1	MAIN BAY - 400KV/220KV PARLI-ICT-1 AND PARLI - 220KV - BUS 1 at PARLI - 220KV	D	For Bay AMP work at Parli 400 Substation	04-Jan-2025	08:00	04-Jan-2025	18:00	For Bay AMP work at Parli 400 Substation	Outage	Bay
157	ADDITIONAL	OCC_S86	POWERGRID_WRI1	220KV-AURANGABAD-HENDRA-1	D	For AMP	02-Jan-2025	08:00	02-Jan-2025	18:00	208L	Outage	AC TRANSMISSION LINE CIRCUIT
158	ADDITIONAL	OCC_S86	POWERGRID_WRI1	MAIN BAY - 220KV-AURANGABAD-HVDC-1 AND AURANGABAD - 220KV - BUS 1 at AURANGABAD - 220KV	D	For AMP	02-Jan-2025	08:00	02-Jan-2025	18:00	208	Outage	TRANSFORMER
159	ADDITIONAL	OCC_S86	POWERGRID_WRI1	765KV/400KV AURANGABAD-ICT-2	D	Spare rotation with 765KV ICT-2 B-Ph. Last changeover done on 10.11.2023.	03-Jan-2025	08:00	03-Jan-2025	13:00	706T	Outage	TRANSFORMER
160	ADDITIONAL	OCC_S86	POWERGRID_WRI1	765KV-WARDHA-AURANGABAD-2	D	Spare rotation with 765KV Wardha-C LR Y-Ph. Last changeover done on 06.05.2023.	04-Jan-2025	08:00	04-Jan-2025	13:00	735L	Outage	AC TRANSMISSION LINE CIRCUIT
161	ADDITIONAL	OCC_S86	POWERGRID_WRI1	765KV-WARDHA-AURANGABAD-2 LR-B PHASE ROTATION - 765KV	D	For AMP	04-Jan-2025	08:00	04-Jan-2025	13:00	735L	Outage	LINE REACTOR
162	ADDITIONAL	OCC_S86	POWERGRID_WRI1	400KV-CHANDRAPUR-BHADRAWATI-1	D	LBB EASUN20AB Model relay will be upgraded to Numerical relay under ADD CAP	02-Jan-2025	09:00	02-Jan-2025	18:00	LBB Relay retrofitting & testing under ADD CAP	Outage	AC TRANSMISSION LINE CIRCUIT
163	ADDITIONAL	OCC_S86	POWERGRID_WRI1	400KV-BHADRAWATI-BHADRAWATI HVDC-2	D	LBB EASUN20AB Model relay will be upgraded to Numerical relay under ADD CAP	02-Jan-2025	09:00	02-Jan-2025	18:00	LBB Relay retrofitting & testing under ADD CAP	Outage	AC TRANSMISSION LINE CIRCUIT
164	ADDITIONAL	OCC_S86	POWERGRID_WRI1	BHADRAWATI - 400KV B/R 1	C	Overhauling of Bus reactor-1 (3 nos Single phase unit). LBB EASUN20AB Model relay will be upgraded to Numerical relay under ADD CAP	03-Jan-2025	09:00	12-Jan-2025	18:00	Overhauling of Bus reactor-1 & LBB Relay retrofitting & testing under ADD CAP	Outage	BUS REACTOR
165	ADDITIONAL	OCC_S86	POWERGRID_WRI1	400KV-CHANDRAPUR-BHADRAWATI-2	D	LBB EASUN20AB Model relay will be upgraded to Numerical relay under ADD CAP	03-Jan-2025	09:00	03-Jan-2025	18:00	LBB Relay retrofitting & testing under ADD CAP	Outage	AC TRANSMISSION LINE CIRCUIT
166	ADDITIONAL	OCC_S86	POWERGRID_WRI1	400KV-BHADRAWATI-RAIPUR-1	D	LBB EASUN20AB Model relay will be upgraded to Numerical relay under ADD CAP	04-Jan-2025	09:00	04-Jan-2025	18:00	LBB Relay retrofitting & testing under ADD CAP	Outage	AC TRANSMISSION LINE CIRCUIT
167	ADDITIONAL	OCC_S86	POWERGRID_WRI1	BHADRAWATI - 400KV B/R 2	D	LBB EASUN20AB Model relay will be upgraded to Numerical relay under ADD CAP	04-Jan-2025	09:00	04-Jan-2025	18:00	LBB Relay retrofitting & testing under ADD CAP	Outage	BUS REACTOR
168	ADDITIONAL	OCC_S86	POWERGRID_WRI1	400KV-BHADRAWATI-RAIPUR-2	C	Construction of New Broad gauge Railway line Wadga-Gachchirdi- Diversion work of Transmission line.	02-Jan-2025	08:00	13-Jan-2025	18:00	Diversion of Transmission line for New Railway line Wadga-Gachchirdi- Diversion work of Transmission line.	Outage	AC TRANSMISSION LINE CIRCUIT
169	ADDITIONAL	OCC_S86	POWERGRID_WRI1	400KV-BHADRAWATI-RAIPUR-3	C	Construction of New Broad gauge Railway line Wadga-Gachchirdi- Diversion work of Transmission line.	02-Jan-2025	08:00	13-Jan-2025	18:00	Diversion of Transmission line for New Railway line Wadga-Gachchirdi- Diversion work of Transmission line.	Outage	AC TRANSMISSION LINE CIRCUIT
170	ADDITIONAL	OCC_S86	POWERGRID_WRI1	400KV-SIPAT-RAIPUR-1	C	For NHAI Diversion work under Bharambla Parjyena tower erection and stringing works	02-Jan-2025	08:00	16-Jan-2025	18:00	Line shutdown for tower erection and stringing	Outage	AC TRANSMISSION LINE CIRCUIT
171	ADDITIONAL	OCC_S86	POWERGRID_WRI1	400KV-SIPAT-RAIPUR-2	C	For NHAI Diversion work under Bharambla Parjyena tower erection and stringing works	02-Jan-2025	08:00	16-Jan-2025	18:00	Line shutdown for tower erection and stringing	Outage	AC TRANSMISSION LINE CIRCUIT
172	ADDITIONAL	OCC_S86	POWERGRID_WRI1	MAIN BAY - 765KV-DHARAMAYAGARH-JAMRUGUO-4 AND DHARAMAYAGARH - 765KV - BUS 2 at DHARAMAYAGARH - 765KV	D	For bay AMP works & SF6 NRV inspection works	02-Jan-2025	08:00	02-Jan-2025	18:00	AMP	Outage	Bay
173	ADDITIONAL	OCC_S86	POWERGRID_WRI1	DHARAMAYAGARH - 765KV - BUS 3	D	For bus AMP works	02-Jan-2025	08:00	02-Jan-2025	18:00	AMP	Outage	BUS
174	ADDITIONAL	OCC_S86	POWERGRID_WRI1	DHARAMAYAGARH - 765KV - BUS 4	D	For bus AMP works	03-Jan-2025	08:00	03-Jan-2025	18:00	AMP	Outage	BUS
175	ADDITIONAL	OCC_S86	POWERGRID_WRI1	MAIN BAY - DHARAMAYAGARH - 765KV B/R 2 AND DHARAMAYAGARH - 765KV - BUS 1 at DHARAMAYAGARH - 765KV	D	For bay AMP works	03-Jan-2025	08:00	03-Jan-2025	18:00	AMP	Outage	Bay
176	ADDITIONAL	OCC_S86	POWERGRID_WRI1	DHARAMAYAGARH - 400KV - BUS 1	C	For 220 kV Construction Works	02-Jan-2025	08:00	03-Jan-2025	18:00	AMP	Outage	BUS
177	ADDITIONAL	OCC_S86	POWERGRID_WRI1	220KV-KORBA EAST-BVADAR-3	C	For CB/Isolator retrofitting works under ADD-CAP	03-Jan-2025	08:00	11-Jan-2025	18:00	AMP	Outage	AC TRANSMISSION LINE CIRCUIT
178	ADDITIONAL	OCC_S86	POWERGRID_WRI1	RAISARH-PS - 400KV - BUS 1	D	AMP as per Maintenance schedule & Signal validation after SCADA upgradation	02-Jan-2025	09:00	02-Jan-2025	18:00	AMP as per Maintenance schedule & Signal validation after SCADA upgradation	Outage	BUS
179	ADDITIONAL	OCC_S86	POWERGRID_WRI1	765KV-RAISARH-PS-TAMNAR-3	D	AMP as per Maintenance schedule & Signal validation after SCADA upgradation	03-Jan-2025	09:00	03-Jan-2025	18:00	AMP as per Maintenance schedule & Signal validation after SCADA upgradation	Outage	AC TRANSMISSION LINE CIRCUIT
180	ADDITIONAL	OCC_S86	POWERGRID_WRI1	MAIN BAY - 765KV-RAISARH-PS-TAMNAR-2 AND RAISARH-PS - 765KV - BUS 2 at RAISARH-PS - 765KV	D	AMP as per Maintenance schedule & Signal validation after SCADA upgradation	04-Jan-2025	09:00	04-Jan-2025	18:00	AMP as per Maintenance schedule & Signal validation after SCADA upgradation	Outage	Bay
181	ADDITIONAL	OCC_S86	POWERGRID_WRI1	MAIN BAY - 765KV/400KV RAIPUR-PS (DURG)-ICT-1 AND RAIPUR-PS (DURG) - 400KV - BUS 1 at RAIPUR-PS (DURG) - 400KV	D	Bay AMP works at Durg PS	03-Jan-2025	09:00	03-Jan-2025	17:30	403	Outage	Bay
182	ADDITIONAL	OCC_S86	POWERGRID_WRI1	PARLI NEW - 765KV B/R 1	D	AMP OF BUS REACTOR WITH DIA OPEN	03-Jan-2025	08:00	03-Jan-2025	18:00	AMP OF BUS REACTOR WITH DIA OPEN	Outage	BUS REACTOR
183	ADDITIONAL	OCC_S86	POWERGRID_WRI1	765KV-WARDHA-PG-PARLI NEW-1	D	SPARE Change Over LR WITH DIA OPEN	03-Jan-2025	09:00	03-Jan-2025	12:30	LAST SPARE change over - Spare normalisation of	Outage	AC TRANSMISSION LINE CIRCUIT
184	ADDITIONAL	OCC_S86	POWERGRID_WRI1	765KV-WARDHA-PG-PARLI NEW-1	D	AMP OF TERMINAL EQUIPMENTS & LR WITH DIA OPEN	03-Jan-2025	12:30	03-Jan-2025	19:00	AMP OF TERMINAL EQUIPMENTS & LR WITH DIA OPEN	Outage	AC TRANSMISSION LINE CIRCUIT
185	ADDITIONAL	OCC_S86	POWERGRID_WRI1	PARLI NEW - 400KV - BUS 1	D	AMP OF BUS & ISOLATOR ALIGNMENT WORK	04-Jan-2025	08:00	04-Jan-2025	20:00	AMP OF BUS & ISOLATOR ALIGNMENT WORK	Outage	BUS
186	ADDITIONAL	OCC_S86	POWERGRID_WRI1	MAIN BAY - 400KV-LOKHANAND-PUNE-PG-1 AND PUNE-PG - 400KV - BUS 1 at PUNE-PG - 400KV	D	For AMP Work	03-Jan-2025	09:00	03-Jan-2025	17:30	AMP	Outage	Bay
187	ADDITIONAL	OCC_S86	POWERGRID_WRI1	MAIN BAY - 400KV/220KV PUNE-ICT-3 AND PUNE-PG - 400KV - BUS 2 at PUNE-PG - 400KV	D	For AMP Work	03-Jan-2025	09:00	03-Jan-2025	17:30	AMP	Outage	Bay
188	ADDITIONAL	OCC_S86	POWERGRID_WRI1	MAIN BAY - 220KV-TALEGAON-PUNE-PG-1 AND PUNE-PG - 220KV - BUS 1 at PUNE-PG - 220KV	D	For AMP Work	04-Jan-2025	09:00	04-Jan-2025	17:30	AMP	Outage	Bay
189	ADDITIONAL	OCC_S86	POWERGRID_WRI1	BUS COUPLER BAY - RAIGARH - 220KV - BUS 1 AND RAIGARH - 220KV - BUS 2 at RAIGARH - 220KV	D	AMP	02-Jan-2025	08:00	02-Jan-2025	18:00	Annual Maintenance Plan	Outage	Bay
190	ADDITIONAL	OCC_S86	POWERGRID_WRI1	MAIN BAY - 400KV/220KV RAIGARH-ICT-2 AND RAIGARH - 400KV - BUS 2 at RAIGARH - 400KV	D	AMP	03-Jan-2025	08:00	03-Jan-2025	18:00	Annual Maintenance Plan	Outage	Bay
191	ADDITIONAL	OCC_S86	POWERGRID_WRI1	MAIN BAY - 400KV/220KV SEONI-PG-ICT-3 AND SEONI-PG - 220KV - BUS 1 at SEONI-PG - 220KV	D	For AMP	03-Jan-2025	09:00	03-Jan-2025	18:00	AMP	Outage	Bay
192	ADDITIONAL	OCC_S86	POWERGRID_WRI1	MAIN BAY - 765KV-BILASPUR-SEONI-2 AND BILASPUR - 765KV - BUS 1 at BILASPUR - 765KV	D	For AMP	04-Jan-2025	09:00	04-Jan-2025	18:00	AMP	Outage	Bay
193	ADDITIONAL	OCC_S86	POWERGRID_WRI1	220KV-SOLAPUR-KUMBARI-2	D	Line terminal equipments AMP at 765KV Solapur Substation	01-Jan-2025	07:00	01-Jan-2025	18:00	LBB	Outage	Bay

96



194	ADDITIONAL	OCC_585	POWERGRID_WRI1	TIE BAY - 400KV-PARUL-SOLAPUR-1 AND 400KV-ALURD-SOLAPUR-1 at Solapur - 400KV	D	Bay AMP Works	02-Jan-2025	08:00	02-Jan-2025	18:00	194	Outage	Bay
195	ADDITIONAL	OCC_585	POWERGRID_WRI1	MAIN BAY - 400KV-KARAD-SOLAPUR-1 AND SOLAPUR - 400KV - BUS 2 at Solapur - 400KV	D	Bay AMP Works	03-Jan-2025	08:00	03-Jan-2025	18:00	195	Outage	Bay
196	ADDITIONAL	OCC_585	POWERGRID_WRI1	400KV/220KV SOLAPUR-STATCOM-ICT 1	D	Spare Change over & PRD Modification Work. Note : Dia to be kept open. Last Spare Change over done on 20.11.2023	04-Jan-2025	08:00	04-Jan-2025	18:00	196	Outage	TRANSFORMER
197	ADDITIONAL	OCC_585	POWERGRID_WRI1	MAIN BAY - 765KV/400KV PUNE-GIS-ICT-3 AND PUNE-GIS - 765KV - BUS 2 at Pune-GIS - 765KV	C	Interconnection of outside GIB with spare ICT bay (without internal conductor)	02-Jan-2025	09:00	02-Jan-2025	18:00	197	Outage	Bay
198	ADDITIONAL	OCC_585	POWERGRID_WRI1	TIE BAY - 765KV-PUNE-GIS-PADGHE-PG-1 AND 765KV/400KV PUNE-GIS-ICT-3 at Pune-GIS - 765KV	C	Interconnection of outside GIB with spare ICT bay (without internal conductor)	02-Jan-2025	09:00	02-Jan-2025	18:00	198	Outage	Bay
199	ADDITIONAL	OCC_585	POWERGRID_WRI1	400KV - Pune-GIS- ICT Bay 413	C	Indoor GIB connection work without conductor Bus #1	05-Jan-2025	09:00	05-Jan-2025	18:00	199	Outage	Bay
200	ADDITIONAL	OCC_585	POWERGRID_WRI1	220KV - Pune-GIS- ICT Bay 204	C	Indoor GIB connection work without conductor Bus #1	05-Jan-2025	09:00	05-Jan-2025	18:00	200	Outage	Bay
201	ADDITIONAL	OCC_585	POWERGRID_WRI1	400KV/220KV PUNE-GIS-ICT-2	C	Indoor GIB connection work without conductor Bus #1	05-Jan-2025	09:00	05-Jan-2025	18:00	201	Outage	TRANSFORMER
202	ADDITIONAL	OCC_586	POWERGRID_WRI1	765 KV-DHARAMJAYGARH-JABALPUR-1	C	line diversion work under Bharatmala Pariyojna.	20-Jan-2025	08:00	03-Feb-2025	18:00	202	Outage	AC TRANSMISSION LINE CIRCUIT
203	ADDITIONAL	OCC_586	POWERGRID_WRI1	765 KV-DHARAMJAYGARH-JABALPUR-2	C	line diversion work under Bharatmala Pariyojna.	20-Jan-2025	08:00	03-Feb-2025	18:00	203	Outage	AC TRANSMISSION LINE CIRCUIT





भारत सरकार
केन्द्रीय विद्युत प्राधिकरण
पश्चिम क्षेत्रीय विद्युत समिति
एफ -3, एमआयडीसी क्षेत्र, अंधेरी (पूर्व), मुंबई - 400 093

Government of India
Central Electricity Authority
Western Regional Power Committee
F-3, MIDC Area, Andheri (East), Mumbai 400093

दूरभाष / phone: 022- 28221636; 28221681; 28220194-6

फैक्स /fax: 022 – 28370193

वेबसाइट/ website: www.wrpc.nic.in

ईमेल/e-mail: opc-wrpc@nic.in

सं: पक्षेविस/प्रचा. / प्रसस-कार्यवृत्त /2024-25/ 2897-2965

दिनांक 04.02. 2025

सेवा में,

विषय:- प.क्षे.वि.समिति, मुंबई की प्रचालन एवं समन्वय समिति की 587 वीं बैठक का कार्यवृत्त।

महोदय,

पश्चिम क्षेत्रीय विद्युत समिति, मुंबई की प्रचालन एवं समन्वय समिति की दिनांक 24.01.2025 को आयोजित 587 वीं बैठक का कार्यवृत्त आपकी सूचनार्थ संलग्न है।

धन्यवाद।

संलग्न : उपरोक्तानुसार

भवदीय,

Sd/-

(डी एन गवाली)

अधीक्षण अभियंता (प्रचालन)



List of OCC Members

1.	Chief Engineer (L D), GETCO, Gotri	0263-2352019
2.	Chief Engineer (Generation), GSECL, Vadodara	0265-2344734/2338847
3.	Superintendent Engineer (CP & SS), GETCO, Vadodara	0265-2337918, 2338164
4.	Chief Engineer (L D), MPPTCL, Jabalpur	0761-2664343
5.	Chief Engineer (O&M:Gen), MPPGCL, Jabalpur	0761-2664572/2668050
6.	Chief Engineer (L D), MSETCL, Kalwa	022-27601769
7.	Chief Engineer (PP), MSEDCL, Mumbai	
8.	Chief Engineer (Works), MSPGCL, Mumbai	022-26473896
9.	Superintending Engineer (LD), MSETCL Ambazari	07104-220275
10.	Chief Engineer (L D), CSPTCL /Raipur	0771-2574174
11.	Chief Engineer (O&M:GEN), CSPGCL, Raipur	0771-2574425
12.	Executive Director, PGCIL Raipur	
13.	General Manager, POSOCO, Mumbai	022-28202630
14.	General Manager (WRTS-I), Powergrid, Nagpur	0712-2641366
15.	General Manager (O & M), WRTS-II, PGCIL, Vadodara	0265-2487542
16.	Chief Engineer (Transmission), NPCIL, Mumbai	25580741/25563350
17.	Station Director, TAPS, Tarapur 1 & 2	02525-282125/244125
18.	Station Director, TAPS, Tarapur 3 & 4	02525-244021/244169
19.	Station Director, KAPS, Kakrapar 1 & 2	02626-231231
20.	Station Director, KAPS, Kakrapar 3 & 4	
21.	General Manager (OS), NTPC, Mumbai	022-28216692
22.	General Manager, NTPC, Korba	07759-237462/237552
23.	General Manager (OS), NTPC, HQ-II Raipur	0771-2544550
24.	General Manager, NTPC, Vindhyachal, M.P.	07805 -247711
25.	General Manager, NTPC, SIPAT, CG	07752-246504
26.	General Manager NTPC LARA	
27.	General Manager NTPC Gadawada	
28.	General Manager NTPC Khargone	
29.	General Manager NTPC Solapur	
30.	General Manager, NTPC, Kavas, Surat	0261-2860290
31.	General Manager, NTPC, Gandhar	02642-287402
32.	General Manager, NTPC, Mouda	07115-281221/281219
34.	CLD TPC, Mumbai	022-25541908/67175385
35.	Head (O), Dahanu TPS, Dahanu	02528-222039
36.	Sr V P Reliance Transmission, Pune 30471555 Vice President (Generation), Torrent Power Ltd, Ahmedabad	0124-3917982/020- 079-27506679
37.	Executive Director, Sugan CCPP, Torrent Power Ltd, Surat.	02621-661151
38.	Vice President (O & M), APL Mundra, Gujarat	02838-266364
39.	Head Operation CGPL Mundra	
40.	Vice President (Opn), Jindal Power Ltd., Raigarh	07767-281993/281995
41.	AGM(OS) NSPCL Delhi	011-26717363, 26717366
42.	GENERAL MANAGER (POWER), RGPPL, Ratnagiri	02359-241071/241011
43.	Member (Power), NCA, Indore	0731-2559888
44.	Chief Engineer (PM & C), NHDC, Bhopal	0755 4030188/4030130
45.	E. E. Elect. (Ponda), Goa	0832-2313780
46.	Executive Engineer DD (UT), Daman	0260-2230771/2250889/2230550
47.	Executive Engineer DNH (UT), Silvassa	0260-2642338
48.	Secretary, CERC, New Delhi	011-24360010/23753923
49.	CEO, JSW Energy Ltd.	011-46032343/26183546
50.	VP-Power Infra-Essar Hazira Surat	0261-6688498/022-67082198
51.	Chief Electrical Distribution Engineer CR	022-22621060
52.	Vice President EPTCL Hazira Surat	0261-6682747
53.	COO, Korba West Power Co. Ltd. Raigarh	
54.	VPI(COMML) Essar Power MP Ltd MP	
55.	GM Torrent power grid ltd. Ahmedabad, Gujarat	
56.	Adani Power Maharashtra Ltd Tiroda	
57.	CGM, R K M Powergen Pvt Ltd	
58.	ED, Athena Chattishgarh Power Ltd.	
59.	Head(O&M) Dhariwal Infra Ltd C'pur	
60.	Head Operation Jaypee Nigrie STPP Singrauli.	
61.	VP(O&M), GCEL, Chhattishgarh	
62.	Head Operation DB Power, Chhattishgarh.	
63.	Head operation Hindustan Power, Anuppur MP	
64.	Head operation GMR, Warora Energy ltd.	
65.	Head O&M, Sterlite Grid Ltd Bhopal	
66.	Head Operation Balco, Chhattishgarh.	
67.	Head(O& M), SKS, SPGCL, Raigarh	
68.	AVP, O&M Electrical, RIPL, Anravati	



OCC_587	POWERGRID_WR1	MAIN BAY - 400KV-RAIGARH-RAIGARH-PS-I	D	AMP as per Maintenance schedule & Signal valid	27-Feb-2025	09:00	27-Feb-2025	18:00
OCC_587	POWERGRID_WR1	MAIN BAY - 400KV-RAIGARH-RAIPUR-1 A	D	AMP	06-Feb-2025	08:00	06-Feb-2025	18:00
OCC_587	POWERGRID_WR1	MAIN BAY - 400KV-RAIPUR-PS (DURG)-RE	D	Bay AMP works at Durg PS	27-Feb-2025	09:00	27-Feb-2025	17:30
OCC_587	POWERGRID_WR1	MAIN BAY - 400KV-RAIPUR-RAIPUR-PS (D	D	Bay AMP works at Durg PS	15-Feb-2025	09:00	15-Feb-2025	17:30
OCC_587	POWERGRID_WR1	MAIN BAY - 400KV-RAIPUR-WARDHA-2 A	C	CB Overhauling, AMP and LBB Relay retrofitting v	03-Feb-2025	08:00	06-Feb-2025	18:00
OCC_587	POWERGRID_WR1	MAIN BAY - 400KV-RAIPUR-WARDHA-2 A	D	For Bay AMP Works.	15-Feb-2025	08:00	15-Feb-2025	20:00
OCC_587	POWERGRID_WR2	MAIN BAY - 400KV-RAJGARH-KASOR-2 A	D	For AMP Works	06-Feb-2025	09:30	06-Feb-2025	17:30
OCC_587	POWERGRID_WR1	MAIN BAY - 400KV-SEONI-PG-KHANDWA	D	For Bay AMP work at Seoni Substation	08-Feb-2025	09:00	08-Feb-2025	18:00
OCC_587	POWERGRID_WR2	MAIN BAY - 400KV-SHUJALPUR-RAPP-1 A	D	AMP WORK OF MAIN BAY 413	21-Feb-2025	08:00	21-Feb-2025	17:30
OCC_587	POWERGRID_WR2	MAIN BAY - 400KV-VINDHYACHAL-JABAL	D	AMP Work	26-Feb-2025	09:00	26-Feb-2025	20:00
OCC_587	NTPC_VSTPS	MAIN BAY - 400KV-VINDHYACHAL-SATNA	C	Annual Bay Maintenance and Testing of Main Ba	04-Feb-2025	08:00	06-Feb-2025	18:00
OCC_587	NTPC_VSTPS	MAIN BAY - 400KV-VINDHYANCHAL-IV-VI	C	Annual Bay Maintenance and Testing	11-Feb-2025	08:00	13-Feb-2025	18:00
OCC_587	NTPC_VSTPS	MAIN BAY - 400KV-VINDHYANCHAL-IV-VI	C	Annual Bay Maintenance and Testing	17-Feb-2025	08:00	19-Feb-2025	18:00
OCC_587	POWERGRID_WR1	MAIN BAY - 400KV-WARDHA-AKOLA-2 A	D	For AMP of Bay	25-Feb-2025	08:00	25-Feb-2025	20:00
OCC_587	POWERGRID_WR1	MAIN BAY - 400KV-WARDHA-AURANGAB	D	AMP Work	14-Feb-2025	08:00	14-Feb-2025	18:00
OCC_587	MSLDC_OUTAGE	MAIN BAY - 400KV-WARDHA-KORADI-II-I	D	Routine Maintenance & Dignostic testing work .	12-Feb-2025	09:00	12-Feb-2025	17:00
OCC_587	MSLDC_OUTAGE	MAIN BAY - 400KV-WARDHA-WARORA-1	D	Routine Maintenance & Dignostic testing work .	11-Feb-2025	09:00	11-Feb-2025	17:00
OCC_587	POWERGRID_WR1	MAIN BAY - 400KV-WARDHA-WARORA-P	D	For Main Bay AMP409	05-Feb-2025	09:00	05-Feb-2025	18:00
OCC_587	POWERGRID_WR1	MAIN BAY - 400KV-WARORA-PG-PARLI-1	D	For Bay AMP work at Parli 400 Substation	21-Feb-2025	08:00	21-Feb-2025	18:00
OCC_587	POWERGRID_WR2	MAIN BAY - 765KV/400KV BANASKANTH	A	Yearly AMP	13-Feb-2025	09:00	13-Feb-2025	18:00
OCC_587	POWERGRID_WR2	MAIN BAY - 765KV/400KV BANASKANTH	A	Yearly AMP	14-Feb-2025	09:00	14-Feb-2025	18:00
OCC_587	POWERGRID_WR2	MAIN BAY - 765KV/400KV BHUJ-ICT-1 A	D	AMP of bay 712	14-Feb-2025	08:00	14-Feb-2025	18:00
OCC_587	POWERGRID_WR1	MAIN BAY - 765KV/400KV CHAMPA-ICT-2	D	For AMP works.	27-Feb-2025	09:30	27-Feb-2025	17:30
OCC_587	MSLDC_OUTAGE	MAIN BAY - 765KV/400KV EKTUNI-ICT-1	A	Diagnostic Testing and Routine Maintenance Wo	13-Feb-2025	10:00	13-Feb-2025	18:00
OCC_587	POWERGRID_WR2	MAIN BAY - 765KV/400KV GWALIOR-ICT-	D	AMP works	18-Feb-2025	09:00	18-Feb-2025	18:00
OCC_587	POWERGRID_WR2	MAIN BAY - 765KV/400KV GWALIOR-ICT-	D	AMP works	27-Feb-2025	09:00	27-Feb-2025	18:00
OCC_587	POWERGRID_WR2	MAIN BAY - 765KV/400KV GWALIOR-ICT-	D	AMP works	20-Feb-2025	09:00	20-Feb-2025	18:00
OCC_587	POWERGRID_WR2	MAIN BAY - 765KV/400KV INDORE-ICT-1	D	AMP works	04-Feb-2025	09:00	04-Feb-2025	18:00
OCC_587	POWERGRID_WR2	MAIN BAY - 765KV/400KV INDORE-ICT-1	D	709 AMP WORKS	21-Feb-2025	09:00	21-Feb-2025	18:00
OCC_587	POWERGRID_WR2	MAIN BAY - 765KV/400KV INDORE-ICT-1	D	709 AMP WORKS	22-Feb-2025	09:00	22-Feb-2025	18:00
OCC_587	MEGPTCL	MAIN BAY - 765KV/400KV KORADI-III-ICT	D	Annual Maintenance of Bay Equipment at Koradi	19-Feb-2025	09:00	19-Feb-2025	18:00
OCC_587	MEGPTCL	MAIN BAY - 765KV/400KV KORADI-III-ICT	D	Annual Maintenance of Bay Equipment at Koradi	03-Feb-2025	09:00	03-Feb-2025	18:00
OCC_587	MEGPTCL	MAIN BAY - 765KV/400KV KORADI-III-ICT	D	Annual Maintenance of Bay Equipment at Koradi	07-Feb-2025	09:00	07-Feb-2025	18:00
OCC_587	POWERGRID_WR1	MAIN BAY - 765KV/400KV PARLI NEW-ICT	D	AMP OF BAY EQUIPMENTS	05-Feb-2025	08:00	05-Feb-2025	18:00
OCC_587	POWERGRID_WR1	MAIN BAY - 765KV/400KV PARLI NEW-ICT	D	AMP OF BAY EQUIPMENTS	07-Feb-2025	08:00	07-Feb-2025	18:00
OCC_587	POWERGRID_WR1	MAIN BAY - 765KV/400KV PARLI NEW-ICT	D	AMP OF BAY EQUIPMENTS	08-Feb-2025	08:00	08-Feb-2025	18:00
OCC_587	POWERGRID_WR1	MAIN BAY - 765KV/400KV PARLI NEW-ICT	D	AMP OF BAY EQUIPMENTS	04-Feb-2025	08:00	04-Feb-2025	18:00
OCC_587	POWERGRID_WR1	MAIN BAY - 765KV/400KV PUNE-GIS-ICT-	C	GIB extension works	01-Feb-2025	09:00	15-Feb-2025	18:00
OCC_587	POWERGRID_WR1	MAIN BAY - 765KV/400KV RAIGARH-PS-I	D	AMP as per Maintenance schedule & Signal valid	21-Feb-2025	09:00	21-Feb-2025	18:00
OCC_587	POWERGRID_WR1	MAIN BAY - 765KV/400KV RAIGARH-PS-I	D	AMP as per Maintenance schedule & Signal valid	06-Feb-2025	09:00	06-Feb-2025	19:00
OCC_587	POWERGRID_WR1	MAIN BAY - 765KV/400KV RAIPUR-PS (D	L	Bay AMP works at Durg PS	04-Feb-2025	09:00	04-Feb-2025	17:30
OCC_587	POWERGRID_WR1	MAIN BAY - 765KV/400KV RAIPUR-PS (D	L	Bay AMP works at Durg PS	08-Feb-2025	09:00	08-Feb-2025	17:30
OCC_587	POWERGRID_WR1	MAIN BAY - 765KV/400KV RAIPUR-PS (D	L	Bay AMP works at Durg PS	12-Feb-2025	09:00	12-Feb-2025	17:30
OCC_587	POWERGRID_WR1	MAIN BAY - 765KV/400KV SEONI-ICT-2 A	D	For Bay AMP work at Seoni Substation	10-Feb-2025	09:00	10-Feb-2025	18:00
OCC_587	POWERGRID_WR1	MAIN BAY - 765KV/400KV SEONI-ICT-2 A	D	For Bay AMP work at Seoni Substation	04-Feb-2025	09:00	04-Feb-2025	18:00
OCC_587	NTPC_SIPAT	MAIN BAY - 765KV/400KV SIPAT-ICT-1 A	C	For bay equipments testing	10-Feb-2025	08:00	12-Feb-2025	18:00
OCC_587	POWERGRID_WR1	MAIN BAY - 765KV/400KV WARDHA-ICT-	D	Main bay 207 will remain out for O/H work for 7	05-Feb-2025	09:00	05-Feb-2025	21:00
OCC_587	POWERGRID_WR1	MAIN BAY - 765KV/400KV WARORA-PG-II	D	For Main Bay AMP401	08-Feb-2025	09:00	08-Feb-2025	18:00
OCC_587	POWERGRID_WR1	MAIN BAY - 765KV/400KV WARORA-PG-II	D	For Main Bay AMP404	24-Feb-2025	09:00	24-Feb-2025	18:00
OCC_587	POWERGRID_WR1	MAIN BAY - 765KV/400KV WARORA-PG-II	D	For Main Bay AMP706	14-Feb-2025	09:00	14-Feb-2025	18:00



OCC_587	POWERGRID_WR2	MAIN BAY - GWALIOR - 400KV B/R 1 AND D	AMP works	05-Feb-2025	09:00	05-Feb-2025	18:00
OCC_587	POWERGRID_WR2	MAIN BAY - GWALIOR - 765KV B/R 1 AND D	AMP works	11-Feb-2025	09:00	11-Feb-2025	18:00
OCC_587	POWERGRID_WR2	MAIN BAY - INDORE - 400KV B/R 1 AND D	AMP works	06-Feb-2025	09:00	06-Feb-2025	18:00
OCC_587	POWERGRID_WR2	MAIN BAY - INDORE - 765KV B/R 2 AND D	712 AMP WORKS	19-Feb-2025	09:00	19-Feb-2025	18:00
OCC_587	POWERGRID_WR2	MAIN BAY - INDORE - 765KV B/R 2 AND D	712 AMP WORKS	20-Feb-2025	09:00	20-Feb-2025	18:00
OCC_587	POWERGRID_WR2	MAIN BAY - ITARSI - 400KV B/R 2 AND D	Bay AMP works	12-Feb-2025	08:00	12-Feb-2025	18:00
OCC_587	POWERGRID_WR2	MAIN BAY - ITARSI - 400KV B/R 3 AND D	Bay AMP works	01-Feb-2025	07:00	01-Feb-2025	23:00
OCC_587	MEGPTCL	MAIN BAY - KORADI-III - 765KV B/R 1 AND D	Annual Maintenance of Bay Equipment at Koradi	10-Feb-2025	09:00	10-Feb-2025	18:00
OCC_587	POWERGRID_WR1	MAIN BAY - PARLI NEW - 765KV B/R 1 AND D	AMP OF BAY EQUIPMENTS	17-Feb-2025	08:00	17-Feb-2025	18:00
OCC_587	POWERGRID_WR1	MAIN BAY - PUNE-GIS - 765KV B/R 2 AND C	Bus bar testing and bus stability	14-Feb-2025	06:00	15-Feb-2025	20:00
OCC_587	POWERGRID_WR1	MAIN BAY - PUNE-PG - 400KV B/R 1 AND D	FOR AMP WORK	13-Feb-2025	09:00	13-Feb-2025	17:00
OCC_587	POWERGRID_WR1	MAIN BAY - RAIGARH-PS - 765KV B/R 2 AND D	AMP as per Maintenance schedule & Signal valid	13-Feb-2025	09:00	13-Feb-2025	18:00
OCC_587	POWERGRID_WR2	MAIN BAY - RAJGARH - 400KV B/R 1 AND D	For AMP Works	04-Feb-2025	09:30	04-Feb-2025	17:30
OCC_587	POWERGRID_WR1	MAIN BAY - SEONI-PG - 400KV B/R 1 AND D	For Bay AMP work at Seoni Substation	05-Feb-2025	09:00	05-Feb-2025	18:00
OCC_587	POWERGRID_WR2	MAIN BAY - SHUJALPUR - 400KV B/R 2 AND D	AMP WORK OF MAIN BAY 415	04-Feb-2025	08:00	04-Feb-2025	17:30
OCC_587	POWERGRID_WR1	MAIN BAY - WARDHA - 765KV B/R 1 AND D	For AMP of Bay	07-Feb-2025	08:00	07-Feb-2025	20:00
OCC_587	POWERGRID_WR1	MAIN BAY - WARORA-PG - 765KV B/R 1 AND D	For Main Bay AMP713	06-Feb-2025	09:00	06-Feb-2025	18:00
OCC_587	POWERGRID_WR2	MAIN BAY OF 220KV-BOISAR-BOISAR-M-D	BAY AMP WORK	10-Feb-2025	09:00	10-Feb-2025	17:30
OCC_587	SIDHPUR	MAIN BAY OF 220KV-JAMKHAMBALIYA-S-D	Yearly maintenance	17-Feb-2025	09:00	17-Feb-2025	19:00
OCC_587	SIDHPUR	MAIN BAY OF 220KV-JAMKHAMBALIYA-S-D	Yearly maintenance	18-Feb-2025	09:00	18-Feb-2025	19:00
OCC_587	SIDHPUR	MAIN BAY OF 220KV-JAMKHAMBALIYA-S-D	Yearly maintenance	19-Feb-2025	09:00	19-Feb-2025	19:00
OCC_587	SIDHPUR	MAIN BAY OF 220KV-JAMKHAMBALIYA-S-D	Yearly maintenance	20-Feb-2025	09:00	20-Feb-2025	19:00
OCC_587	RTL	MAIN BAY OF 220KV-PACHORA PS-SHAJA D	For Bay AMP works. Line to be in service through	07-Feb-2025	10:00	07-Feb-2025	18:00
OCC_587	RTL	MAIN BAY OF 220KV-PACHORA PS-SHAJA D	For Bay AMP works. Line to be in service through	08-Feb-2025	10:00	08-Feb-2025	18:00
OCC_587	RTL	MAIN BAY OF 220KV-UMARIYA(BHEEMPO D	For Bay AMP works. Line to be in service through	10-Feb-2025	10:00	10-Feb-2025	18:00
OCC_587	RGPL	MAIN BAY OF 400KV/11.9KV RGPL-ST-2 C	ATTENDING SF6 LEAKAGE	12-Feb-2025	09:00	13-Feb-2025	20:00
OCC_587	NTPC_VSTPS	MAIN BAY OF 400KV/132KV VINDHYACH C	Annual Bay maintenance and testing/ Alignment	25-Feb-2025	08:00	27-Feb-2025	18:00
OCC_587	RGPL	MAIN BAY OF 400KV/15.7KV RGPL-GT-3 C	ATTENDING SF6 LEAKAGE	10-Feb-2025	09:00	11-Feb-2025	20:00
OCC_587	MSLDC_OUTAGE	MAIN BAY OF 400KV/220KV BABLESHWA C	CB pole overhauling work.400/220 KV ICT II HV w	18-Feb-2025	08:00	22-Feb-2025	18:00
OCC_587	POWERGRID_WR2	MAIN BAY OF 400KV/220KV JABALPUR-IC D	AMP Work	10-Feb-2025	09:00	10-Feb-2025	20:00
OCC_587	POWERGRID_WR1	MAIN BAY OF 400KV/220KV PUNE-GIS-IC C	For Bus extension-Old bus GIB to new bus GIB co	03-Feb-2025	06:00	05-Feb-2025	20:00
OCC_587	POWERGRID_WR1	MAIN BAY OF 400KV/220KV PUNE-GIS-IC C	For Bus extension-Old bus GIB to new bus GIB co	06-Feb-2025	06:00	08-Feb-2025	20:00
OCC_587	POWERGRID_WR1	MAIN BAY OF 400KV/220KV PUNE-GIS-IC C	For bus bar interconnection work(internal condu	22-Feb-2025	06:00	24-Feb-2025	20:00
OCC_587	POWERGRID_WR1	MAIN BAY OF 400KV/220KV PUNE-GIS-IC C	For bus bar interconnection work(internal condu	25-Feb-2025	06:00	27-Feb-2025	20:00
OCC_587	POWERGRID_WR1	MAIN BAY OF 400KV/220KV PUNE-GIS-IC C	For Bus extension-Old bus GIB to new bus GIB co	03-Feb-2025	06:00	05-Feb-2025	20:00
OCC_587	POWERGRID_WR1	MAIN BAY OF 400KV/220KV PUNE-GIS-IC C	For Bus extension-Old bus GIB to new bus GIB co	06-Feb-2025	06:00	08-Feb-2025	20:00
OCC_587	POWERGRID_WR1	MAIN BAY OF 400KV/220KV PUNE-GIS-IC C	For bus bar interconnection work(internal condu	22-Feb-2025	06:00	24-Feb-2025	20:00
OCC_587	POWERGRID_WR1	MAIN BAY OF 400KV/220KV PUNE-GIS-IC C	For bus bar interconnection work(internal condu	25-Feb-2025	06:00	27-Feb-2025	20:00
OCC_587	POWERGRID_WR2	MAIN BAY OF 400KV/220KV SHUJALPUR- D	AMP WORK OF MAIN BAY 410	13-Feb-2025	08:00	13-Feb-2025	17:30
OCC_587	APML	MAIN BAY OF 400KV/6.9KV APL-MUNDRA D	HV coating for Bay equipment	19-Feb-2025	09:00	19-Feb-2025	19:00
OCC_587	APML	MAIN BAY OF 400KV/6.9KV APL-MUNDRA D	HV coating for Bay equipment	20-Feb-2025	09:00	20-Feb-2025	19:00
OCC_587	ATIL	MAIN BAY OF 400KV-APL-MUNDRA HVDC D	Annual Maintenance of Circuit Breaker & Current	05-Feb-2025	09:00	05-Feb-2025	19:00
OCC_587	ATIL	MAIN BAY OF 400KV-APL-MUNDRA HVDC D	Annual Maintenance of Circuit Breaker & Current	11-Feb-2025	09:00	11-Feb-2025	19:00
OCC_587	ATIL	MAIN BAY OF 400KV-APL-MUNDRA-APL- D	HV coating for Bay equipment	24-Feb-2025	09:00	24-Feb-2025	19:00
OCC_587	POWERGRID_WR2	MAIN BAY OF 400KV-BACHAU-CHORANIA D	BAY AMP WORK	19-Feb-2025	08:00	19-Feb-2025	18:00
OCC_587	POWERGRID_WR2	MAIN BAY OF 400KV-BACHAU-LAKADIA-1 C	Bay AMP and PIR repair works	06-Feb-2025	09:00	08-Feb-2025	18:00
OCC_587	SLDC_CG	MAIN BAY OF 400KV-BHILAI-RAITA-3 AND C	To accommodate 315 MVA ICT-IV bay (400 KV sld	01-Feb-2025	09:00	28-Feb-2025	17:00
OCC_587	APML	MAIN BAY OF 400KV-FUTURES-APL-MUN D	HV coating for Bay equipment	25-Feb-2025	09:00	25-Feb-2025	19:00
OCC_587	POWERGRID_WR1	MAIN BAY OF 400KV-KALLAM PS-PUNE-G D	LINE REACTOR AMP WORKS	14-Feb-2025	09:00	14-Feb-2025	18:00
OCC_587	POWERGRID_WR1	MAIN BAY OF 400KV-KALLAM PS-PUNE-G D	LINE REACTOR AMP WORKS	15-Feb-2025	09:00	15-Feb-2025	18:00





भारत सरकार
केन्द्रीय विद्युत प्राधिकरण
पश्चिम क्षेत्रीय विद्युत समिति
एफ-3, एमआयडीसी क्षेत्र, अंधेरी (पूर्व), मुंबई - 400 093

Government of India
Central Electricity Authority
Western Regional Power Committee
F-3, MIDC Area, Andheri (East), Mumbai 400093

दूरभाष / phone: 022- 28221636; 28221681; 28220194-6
वेबसाइट/ website: www.wrpc.nic.in

फैक्स /fax: 022 – 28370193
ईमेल/e-mail: opc-wrpc@nic.in

सं: पक्षेविस/प्रचा. / प्रसस-कार्यवृत्त /2024-25/7108-7176

दिनांक 11.02.2025

सेवा में,

विषय:- प.क्षे.वि.समिति, मुंबई की प्रचालन एवं समन्वय समिति की 588 वीं बैठक का कार्यवृत्त।

महोदय,

पश्चिम क्षेत्रीय विद्युत समिति, मुंबई की प्रचालन एवं समन्वय समिति की दिनांक 28.02.2025 को आयोजित 588 वीं बैठक का कार्यवृत्त आपकी सूचनार्थ संलग्न है।

धन्यवाद।

संलग्न : उपरोक्तानुसार

भवदीय,
Sd/-
(डी एन गवाली)
अधीक्षण अभियंता (प्रचालन)



List of OCC Members

1.	Chief Engineer (L D), GETCO, Gotri	0263-2352019
2.	Chief Engineer (Generation), GSECL, Vadodara	0265-2344734/2338847
3.	Superintendent Engineer (CP & SS), GETCO, Vadodara	0265-2337918, 2338164
4.	Chief Engineer (L D), MPPTCL, Jabalpur	0761-2664343
5.	Chief Engineer (O&M:Gen), MPPGCL, Jabalpur	0761-2664572/2668050
6.	Chief Engineer (L D), MSETCL, Kalwa	022-27601769
7.	Chief Engineer (PP), MSEDCL, Mumbai	
8.	Chief Engineer (Works), MSPGCL, Mumbai	022-26473896
9.	Superintending Engineer (LD), MSETCL, Ambazari	07104-220275
10.	Chief Engineer (L D), CSPTCL, Raipur	0771-2574174
11.	Chief Engineer (O&M:GEN), CSPGCL, Raipur	0771-2574425
12.	Executive Director, PGCIL Raipur	
13.	General Manager, POSOCO, Mumbai	022-28202630
14.	General Manager (WRTS-I), Powergrid, Nagpur	0712-2641366
15.	General Manager (O & M), WRTS-II, PGCIL, Vadodara	0265-2487542
16.	Chief Engineer (Transmission), NPCIL, Mumbai	25580741/25563350
17.	Station Director, TAPS, Tarapur 1 & 2	02525-282125/244125
18.	Station Director, TAPS, Tarapur 3 & 4	02525-244021/244169
19.	Station Director, KAPS, Kakrapar 1 & 2	02626-231231
20.	Station Director, KAPS, Kakrapar 3 & 4	
21.	General Manager (OS), NTPC, Mumbai	022-28216692
22.	General Manager, NTPC, Korba	07759-237462/237552
23.	General Manager (OS), NTPC, HQ-II Raipur	0771-2544550
24.	General Manager, NTPC, Vindhyachal, M.P.	07805-247711
25.	General Manager, NTPC, SIPAT, CG	07752-246504
26.	General Manager NTPC LARA	
27.	General Manager NTPC Gadawada	
28.	General Manager NTPC Kharagone	
29.	General Manager NTPC Solapur	
30.	General Manager, NTPC, Kavas, Surat	0261-2860290
31.	General Manager, NTPC, Gandhar	02642-287402
32.	General Manager, NTPC, Mouda	07115-281221/281219
34.	CLD TPC, Mumbai	022-25541908/67175385
35.	Head (O), Dahanu TPS, Dahanu	02528-222039
36.	Sr V P Reliance Transmission, Pune 30471555 Vice President (Generation), Torrent Power Ltd, Ahmedabad	0124-3917982/020- 079-27506679
37.	Executive Director, Sugan CCPP, Torrent Power Ltd, Surat.	02621-661151
38.	Vice President (O & M), APL Mundra, Gujarat	02838-266364
39.	Head Operation CGPL Mundra	
40.	Vice President (Opn), Jindal Power Ltd., Raigarh	07767-281993/281995
41.	AGM(OS) NSPCL Delhi	011-26717363, 26717366
42.	GENERAL MANAGER (POWER), RGPPL, Ratnagiri	02359-241071/241011
43.	Member (Power), NCA, Indore	0731-2559888
44.	Chief Engineer (PM & C), NHDC, Bhopal	0755 4030188/4030130
45.	E. E. Elect. (Ponda), Goa	0832-2313780
46.	Executive Engineer DD (UT), Daman	0260-2230771/2250889/2230550
47.	Executive Engineer DNH (UT), Silvassa	0260-2642338
48.	Secretary, CERC, New Delhi	011-24360010/23753923
49.	CEO, JSW Energy Ltd.	011-46032343/26183546
50.	VP-Power Infra-Essar Hazira Surat	0261-6688498/022-67082198
51.	Chief Electrical Distribution Engineer CR	022-22621060
52.	Vice President EPTCL Hazira Surat	0261-6682747
53.	COO, Korba West Power Co. Ltd. Raigarh	
54.	VP(COMML) Essar Power MP Ltd MP	
55.	GM Torrent power grid ltd. Ahmedabad, Gujarat	
56.	Adani Power Maharashtra Ltd Tiroda	
57.	CGM, R K M Powergen Pvt Ltd	
58.	ED, Athena Chattishgarh Power Ltd.	
59.	Head(O&M) Dhariwal Infra Ltd C'pur	
60.	Head Operation Jaypee Nigrie STPP Singrauli.	
61.	VP(O&M), GCEL, Chhattishgarh	
62.	Head Operation DB Power, Chhattishgarh.	
63.	Head operation Hindustan Power, Anuppur MP	
64.	Head operation GMR, Warora Energy Ltd.	
65.	Head O&M, Sterlite Grid Ltd Bhopal	
66.	Head Operation Balco, Chhattishgarh.	
67.	Head(O& M), SKS, SPGCL, Raigarh	
68.	AVP,O&M Electrical,RIPL, Amravati	



OCC_588	POWERGRID_WR1	MAIN BAY - 220KV-AURANGABAD-CHITEGAON-2 AND AURANGABAD - 220KV - BUS 1 at AURANGABAD - 220KV	POWERGRID-WR1 (PGCIL)	D	AMP of BAY at Aurangabad S/s.	01-Mar-2025 08:00	01-Mar-2025 18:00
OCC_588	POWERGRID_WR1	MAIN BAY - 765KV/400KV PUNE-GIS-ICT-3 AND PUNE-GIS - 765KV - BUS 2 at Pune-GIS - 765KV	POWERGRID-WR1 (PGCIL)	D	Tie bay LBB testing	01-Mar-2025 06:00	01-Mar-2025 20:00
OCC_588	POWERGRID_WR1	MAIN BAY - 765KV/400KV WARORA-PG-ICT-2 AND WARORA-PG - 400KV - BUS 1 at WARORA-PG - 400KV	POWERGRID-WR1 (PGCIL)	D	For Main Bay AMP-404	01-Mar-2025 09:00	01-Mar-2025 18:00
OCC_588	POWERGRID_WR1	MAIN BAY OF 400KV/220KV PUNE-GIS-ICT-2 AND PUNE-GIS - 220KV - BUS 1 @PUNE-GIS - 220KV	POWERGRID-WR1 (PGCIL)	C	For Bus extension-Old bus GIB to new bus GIB connection-w/o internal conductor fixing (for GIS modules alignment/erection purpose)	01-Mar-2025 07:00	04-Mar-2025 20:00
OCC_588	POWERGRID_WR1	MAIN BAY OF 400KV/220KV PUNE-GIS-ICT-2 AND PUNE-GIS - 400KV - BUS 1 @PUNE-GIS - 400KV	POWERGRID-WR1 (PGCIL)	C	For Bus extension-Old bus GIB to new bus GIB connection-w/o internal conductor fixing (for GIS modules alignment/erection purpose)	01-Mar-2025 07:00	04-Mar-2025 20:00
OCC_588	POWERGRID_WR1	PARLI NEW - 765KV B/R 1	PPTL-POWERGRID	D	AMP OF BUS REACTOR WITH DIA OPEN	01-Mar-2025 08:00	01-Mar-2025 18:00
OCC_588	POWERGRID_WR1	TIE BAY - 765KV-DHARAMJAYGARH-RANCHI-1 AND 765KV-DHARAMJAYGARH-JHARSUGUDA-1 at DHARAMJAYGARH - 765KV	POWERGRID-WR1 (PGCIL)	C	For RTV coating on polymer CTs	01-Mar-2025 08:00	05-Mar-2025 18:00
OCC_588	POWERGRID_WR1	TIE BAY - 765KV-PUNE-GIS-PADGHE-PG-1 AND 765KV/400KV PUNE-GIS-ICT-3 at Pune-GIS - 765KV	POWERGRID-WR1 (PGCIL)	D	Tie bay LBB testing	01-Mar-2025 06:00	01-Mar-2025 20:00
OCC_588	POWERGRID_WR1	TIE BAY - WARDHA - 765KV B/R 2 AND 765KV-SEONI-WARDHA-2 at Wardha - 765KV	POWERGRID-WR1 (PGCIL)	D	For AMP of Bay	01-Mar-2025 08:00	01-Mar-2025 20:00
OCC_588	POWERGRID_WR2	220KV-INDORE-INDORE NORTH ZONE-2	MADHYA PRADESH	D	LINE TERMINAL EQUIPMENT AMP WORKS	01-Mar-2025 09:00	01-Mar-2025 18:00
OCC_588	POWERGRID_WR2	220KV-KAWAS-HALDARWA-1	POWERGRID-WR2 (PGCIL),GUJARAT	C	Simultaneous outage of 220KV-KAWAS-HALDARWA-1 & 2 Is required For Line Diversion Work due to construction of Eight-Lane Expressway under Bharatmala Pariyojana by NHAI	01-Mar-2025 08:00	10-Mar-2025 18:00
OCC_588	POWERGRID_WR2	220KV-KAWAS-HALDARWA-2	POWERGRID-WR2 (PGCIL),GUJARAT	C	Simultaneous outage of 220KV-KAWAS-HALDARWA-1 & 2 Is required For Line Diversion Work due to construction of Eight-Lane Expressway under Bharatmala Pariyojana by NHAI	01-Mar-2025 08:00	10-Mar-2025 18:00
OCC_588	POWERGRID_WR2	400KV/220KV REWA-ICT-3	POWERGRID-WR2 (PGCIL)	D	AMP work of 220 side CT (tan delta) and commissioning of CSD, During testing, ICT will be charged and discharged few times	01-Mar-2025 10:00	01-Mar-2025 14:00
OCC_588	POWERGRID_WR2	400KV-CGPL-BACHAU-1	POWERGRID-WR2 (PGCIL)	D	A/R in non auto mode required for OPGW link loss rectification works	01-Mar-2025 09:00	01-Mar-2025 18:00
OCC_588	POWERGRID_WR2	400KV-CGPL-JETPUR-1	POWERGRID-WR2 (PGCIL)	D	A/R in non auto mode required for OPGW stringing under live line condition.	01-Mar-2025 09:00	01-Mar-2025 18:00
OCC_588	POWERGRID_WR2	400KV-CGPL-JETPUR-1	POWERGRID-WR2 (PGCIL)	D	For OPGW stringing under live line condition	01-Mar-2025 07:00	01-Mar-2025 18:00
OCC_588	POWERGRID_WR2	400KV-ITARSH-KHANDWA-1	POWERGRID-WR2 (PGCIL)	D	A/R Non Auto mode For attending hotline maintenance works	01-Mar-2025 07:00	01-Mar-2025 18:00
OCC_588	POWERGRID_WR2	400KV-VINDHYACHAL-JABALPUR-1	POWERGRID-WR2 (PGCIL)	D	For precommissioning testing of the reactor and line shall be charged W/O LR, A/R off of ckt 2 is required. Dia to be kept open at both ends.	01-Mar-2025 09:00	01-Mar-2025 20:00
OCC_588	POWERGRID_WR2	765KV/400KV VADODARA-ICT-1	POWERGRID-WR2 (PGCIL)	D	ICT AMP & Bucholz trip modification work, Dia to be kept open at both sides.	01-Mar-2025 09:00	01-Mar-2025 18:00
OCC_588	POWERGRID_WR2	MAIN BAY - 400KV-CGPL-BACHAU-4 AND BACHAU - 400KV - BUS 1 at BACHAU - 400KV	POWERGRID-WR2 (PGCIL)	D	Bay AMP works	01-Mar-2025 09:00	01-Mar-2025 18:00
OCC_588	POWERGRID_WR2	MAIN BAY - 400KV-ITARSH-KHANDWA-1 AND ITARSI - 400KV - BUS 2 at ITARSI - 400KV	POWERGRID-WR2 (PGCIL)	D	AMP works of KHWB1 Main Bay_422	01-Mar-2025 08:00	01-Mar-2025 18:00
OCC_588	POWERGRID_WR2	MAIN BAY - 765KV-BINA-BINA-NHPTL-1 AND BINA - 765KV - BUS 1 at BINA - 765KV	POWERGRID-WR2 (PGCIL)	D	FOR AMP WORK	01-Mar-2025 07:00	01-Mar-2025 18:30
OCC_588	POWERGRID_WR2	MAIN BAY - 765KV-DHARAMJAYGARH-JABALPUR-1 AND JABALPUR - 765KV - BUS 2 at JABALPUR - 765KV	POWERGRID-WR2 (PGCIL)	D	AMP & DCRM testing of CB	01-Mar-2025 09:00	01-Mar-2025 18:00
OCC_588	POWERGRID_WR2	MAIN BAY OF 220KV-INDORE-INDORE NORTH ZONE-2 AND INDORE - 220KV - BUS 1 @INDORE - 220KV at INDORE - 220KV	MADHYA PRADESH	D	AMP WORKS	01-Mar-2025 09:00	01-Mar-2025 18:00
OCC_588	POWERGRID_WR2	TBC BAY - BACHAU - 220KV - BUS 1 AND FUTURE at BACHAU - 220KV	POWERGRID-WR2 (PGCIL)	D	CB AMP and DCRM	01-Mar-2025 09:00	01-Mar-2025 18:00
OCC_588	POWERGRID_WR2	TIE BAY - 220KV-SATNA-CHHATTARPUR-1 AND FUTURE at SATNA - 220KV	POWERGRID-WR2 (PGCIL)	C	For Construction work of Bay no. 213 (Main bay of upcoming 400/220KV ICT-4 on 220KV Side)	01-Mar-2025 09:00	01-Mar-2025 18:00
OCC_588	POWERGRID_WR2	TIE BAY - 400KV/220KV VAPH-ICT-1 AND 400KV-VAPH-BOISAR-1 at VAPI - 400KV	POWERGRID-WR2 (PGCIL)	D	For bay AMP works	01-Mar-2025 08:00	01-Mar-2025 18:00
OCC_588	POWERGRID_WR2	TIE BAY - 400KV/38.5KV SATNA-ICT-1 AND FUTURE at SATNA - 400KV	POWERGRID-WR2 (PGCIL)	C	For Construction work of Bay no. 428 (Main bay of upcoming 400/220KV ICT-4 on 400KV Side)	01-Mar-2025 09:00	01-Mar-2025 18:00
OCC_588	POWERGRID_WR2	TIE BAY - 400KV-VINDHYACHAL(PS)-SASAM-1 AND 765KV/400KV VINDHYACHAL(PS)-ICT-1 at Vindhyachal(PS) - 400KV	POWERGRID-WR2 (PGCIL)	D	Bay AMP Work at Vindhyachal(PS)	01-Mar-2025 09:00	01-Mar-2025 18:00
OCC_588	POWERGRID_WR2	400KV/11.9KV RGPPL-ST-2	RGPPL	C	Transformer Fire protection checking.	01-Mar-2025 09:00	01-Mar-2025 18:00
OCC_588	RTL	400KV/220KV PACHORA PS-ICT-3	RTL	D	For annual maintenance & testing work .	01-Mar-2025 08:00	01-Mar-2025 20:00
OCC_588	SLDC_CG	400KV-BHILAI-RAITA-3	CHATTISGARH	C	To accommodate 315 MVA ICT-IV bay (400 KV side) in 400 KV Raita-3 bay for Installation of 1 No. additional 315 MVA ICT-IV at 400 KV S/s Khedamara, Bihilai.	01-Mar-2025 00:00	31-Mar-2025 23:59
OCC_588	SLDC_CG	MAIN BAY OF 400KV-BHILAI-RAITA-3 AND BHILAI - 400KV - BUS 1 @BHILAI - 400KV at BHILAI - 400KV	CHATTISGARH	C	To accommodate 315 MVA ICT-IV bay (400 KV side) in 400 KV Raita-3 bay for Installation of 1 No. additional 315 MVA ICT-IV and replacement of control & relay panels at 400 KV S/s CSPTCL, Khedamara	01-Mar-2025 09:00	31-Mar-2025 17:00
OCC_588	SLDC_CG	TIE BAY OF 400KV-KORBA WEST EXTENSION-BHILAI-1 AND 400KV-BHILAI-RAITA-3 @BHILAI - 400KV at BHILAI - 400KV	CHATTISGARH	C	To accommodate 315 MVA ICT-IV bay (400 KV side) in 400 KV Raita-3 bay for Installation of 1 No. additional 315 MVA ICT-IV and replacement of control & relay panels at 400 KV S/s CSPTCL, Khedamara	01-Mar-2025 09:00	31-Mar-2025 17:00
OCC_588	POWERGRID_WR2	220KV-MAGARWADA-RINGANWADA-1	DD	D	LINE TERMINAL EQUIPMENT AMP WORKS	02-Mar-2025 07:00	02-Mar-2025 18:00
OCC_588	MSLDC_OUTAGE	400KV-KHARGHAR-PUNE-PG-1	WTPL-ADANI,MAHARASHTRA	D	SSN to DSN Insulator string Conversion work, and installation of fridge wedge connector at mid-span joint 1. Damaged T.NO 51 Replacement Related work. 2. PID Faulty Discs replacement works with PLRI. 3. To attend defects found in Monkey Patrolling 4. Diagnostic Testing work. 5. Replacement of LA under LES Scheme 6. Replacement of Distance Relay. 7. ITC of TWFL relay by M/s.GE.	02-Mar-2025 09:00	02-Mar-2025 18:00
OCC_588	MSLDC_OUTAGE	400KV-BABLESHWAR-PADGHE-2	MAHARASHTRA	D	Simultaneous outage of 400KV-JABALPUR-REWA-1&2 Is required for Diversion work of 400KV-JABALPUR-REWA-1 &2 between location no. 46 to 48 for construction of WCR's Rewa-Sidhi-Singrauli Track, Dia to be kept open at both ends.	02-Mar-2025 07:00	02-Mar-2025 19:00
OCC_588	POWERGRID_WR2	400KV-JABALPUR-REWA-1	POWERGRID-WR2 (PGCIL)	C	Simultaneous outage of 400KV-JABALPUR-REWA-1&2 Is required for Diversion work of 400KV-JABALPUR-REWA-1 &2 between location no. 46 to 48 for construction of WCR's Rewa-Sidhi-Singrauli Track, Dia to be kept open at both ends.	02-Mar-2025 10:00	11-Mar-2025 18:00
OCC_588	POWERGRID_WR2	400KV-JABALPUR-REWA-2	POWERGRID-WR2 (PGCIL)	C	Simultaneous outage of 400KV-JABALPUR-REWA-1&2 Is required for Diversion work of 400KV-JABALPUR-REWA-1 &2 between location no. 46 to 48 for construction of WCR's Rewa-Sidhi-Singrauli Track, Dia to be kept open at both ends.	02-Mar-2025 10:00	11-Mar-2025 18:00
OCC_588	ATIL	400KV-APL-MUNDRA-SAMI-1	ATIL-ADANI	D	For live line old earthwire replacement work with OPGW.	01-Mar-2025 08:00	02-Mar-2025 18:00
OCC_588	ATIL	400KV-APL-MUNDRA-SAMI-2	ATIL-ADANI	D	For live line old earthwire replacement work with OPGW.	02-Mar-2025 08:00	02-Mar-2025 18:00
OCC_588	GETCO	400KV-APL-MUNDRA-CHANKANKA-1	APL-ADANI,GUJARAT	D	Only A/R Non Auto mode require for OPGW work.	01-Mar-2025 06:00	07-Mar-2025 18:00
OCC_588	GETCO	400KV-APL-MUNDRA-MANSAR (HALVAD)-1	GUJARAT	C	For stringing work of 400KV D/C Quad Varsana-Halvad line	02-Mar-2025 06:00	04-Mar-2025 19:00

104



OCC_588	POWERGRID_WR1	MAIN BAY OF 400KV-KOLHAPUR-MS-KOLHAPUR GIS-1 AND KOLHAPUR-MS - 400KV - BUS 1 @KOLHAPUR-MS - 400KV at KOLHAPUR-MS - 400KV	MAHARASHTRA	D	Main BAY AMP WORK	21-Mar-2025 08:00	21-Mar-2025 18:00
OCC_588	POWERGRID_WR1	MAIN BAY OF 765KV/400KV WARDHA-ICT-3 AND WARDHA - 400KV - BUS 1 @WARDHA - 400KV at Wardha - 400KV	POWERGRID-WR1 (PGCIL)	D	For Bay AMP Works.	21-Mar-2025 08:00	21-Mar-2025 18:00
OCC_588	POWERGRID_WR1	TIE BAY - 400KV-BILASPUR-FUTURE-3 AND 400KV-ACBIL-BILASPUR-1 at BILASPUR - 400KV TIE BAY OF 765KV-TAMNAR-DHARAMJAYGARH-2 AND 765KV-TAMNAR-DHARAMJAYGARH-1 @DHARAMJAYGARH - 765KV at DHARAMJAYGARH	POWERGRID-WR1 (PGCIL)	D	Bay AMP	21-Mar-2025 09:00	21-Mar-2025 18:00
OCC_588	POWERGRID_WR1	- 765KV WARDHA - 220KV - BUS 1	POWERGRID-WR1 (PGCIL)	D	For bay AMP works	21-Mar-2025 08:00	21-Mar-2025 18:00
OCC_588	POWERGRID_WR1	WARORA-PG - 765KV B/R 1	POWERGRID-WR1 (PGCIL)	D	For Amp of Bus Bar	21-Mar-2025 08:00	21-Mar-2025 20:00
OCC_588	POWERGRID_WR2	220KV-VAPI-VAPI-GUJARAT-1	PWTL-POWERGRID GUJARAT	D	For Bus reactor AMP work	21-Mar-2025 09:00	21-Mar-2025 18:00
OCC_588	POWERGRID_WR2	400KV-CGPL-BACHAU-1	POWERGRID-WR2 (PGCIL)	D	For LITE AMP works	21-Mar-2025 08:00	21-Mar-2025 18:00
OCC_588	POWERGRID_WR2	400KV-CGPL-JETPUR-1	POWERGRID-WR2 (PGCIL)	D	A/R in non auto mode required for OPGW link loss rectification works	21-Mar-2025 09:00	21-Mar-2025 18:00
OCC_588	POWERGRID_WR2	400KV-CGPL-JETPUR-1	POWERGRID-WR2 (PGCIL)	D	For Terminal equipment, Main bay and Reactor AMP works. Also shutdown nature defects to be attended in line. Dia to be kept open at both ends. AR of other line to be kept in non auto mode.	21-Mar-2025 08:00	21-Mar-2025 18:00
OCC_588	POWERGRID_WR2	400KV-CGPL-JETPUR-1	POWERGRID-WR2 (PGCIL)	D	A/R in non auto mode required for OPGW stringing under live line condition.	21-Mar-2025 09:00	21-Mar-2025 18:00
OCC_588	POWERGRID_WR2	400KV-CGPL-JETPUR-1	POWERGRID-WR2 (PGCIL)	D	For OPGW stringing under live line condition	21-Mar-2025 07:00	21-Mar-2025 18:00
OCC_588	POWERGRID_WR2	400KV-CHHEGAON-KHANDWA-1	POWERGRID-WR2 (PGCIL),MADHYA PRADESH	D	Insulator replacement work Line Shutdown required (A/R In Non Auto mode of 400KV Khandwa- Khargone line required), Dia to be kept open at both ends. execution of stringing work (Power Line Crossing) of 765 kv D/C Banaskantha -	21-Mar-2025 09:00	21-Mar-2025 18:00
OCC_588	POWERGRID_WR2	400KV-DEHGAM-SAMI-2	ATIL-ADANI	C	Ahmedabad Transmission Line (Package TLO1)-	21-Mar-2025 08:00	21-Mar-2025 18:00
OCC_588	POWERGRID_WR2	400KV-ITARSI-INDORE-MP-2	POWERGRID-WR2 (PGCIL)	D	For testing of Reactor commissioning, Dia to be kept open at both ends.	21-Mar-2025 08:00	21-Mar-2025 18:00
OCC_588	POWERGRID_WR2	400KV-MAGARWADA-BOISAR-2	POWERGRID-WR2 (PGCIL)	D	Simultaneous outage of BOISAR - 400KV - BUS 2 For 400kv Busbar PU/LBB relay retrofitting	21-Mar-2025 07:00	21-Mar-2025 21:00
OCC_588	POWERGRID_WR2	400KV-PIRANA-NICOL-II-1	POWERGRID-WR2 (PGCIL),TORRENT POWER (TPL)	D	Line AMP and Line Terminal Equipment AMP Work at Pirana SS, A/R off of 400KV-RANCHODPURA-NICOL-II-1 and 400KV-RANCHODPURA-PIRANA-1 is required. Dia to be kept open at both ends.	21-Mar-2025 09:00	21-Mar-2025 18:00
OCC_588	POWERGRID_WR2	765KV-BHOPAL-BDTCL-INDORE-1	BDTCL	D	LINE TERMINAL EQUIPMENT AMP WORKS, Dia to be kept open at both ends.	21-Mar-2025 09:00	21-Mar-2025 18:00
OCC_588	POWERGRID_WR2	765KV-BHOPAL-INDORE-1 L/R@ INDORE - 765KV	POWERGRID-WR2 (PGCIL)	D	LINE REACTOR AMP WORKS	21-Mar-2025 09:00	21-Mar-2025 18:00
OCC_588	POWERGRID_WR2	765KV-BINA-GWALIOR-1	POWERGRID-WR2 (PGCIL)	D	Tower Strengthening Member fixing work. A/R in Non-Auto Mode Line will be in Service.	21-Mar-2025 09:00	21-Mar-2025 18:00
OCC_588	POWERGRID_WR2	765KV-BINA-JABALPUR-2	POWERGRID-WR2 (PGCIL)	D	ATTENDING S/D NATURE DEFECTS IN LINE, Dia to be kept open at both ends. AR of Ckt-1 to be kept in non-auto mode	21-Mar-2025 07:00	21-Mar-2025 18:00
OCC_588	POWERGRID_WR2	765KV-JABALPUR-ORAI-1	POWERGRID-WR2 (PGCIL)	D	A/R in non auto required to attend S/D NATURE DEFECTS in 765KV-JABALPUR-ORAI-2	21-Mar-2025 09:00	21-Mar-2025 13:30
OCC_588	POWERGRID_WR2	765KV-JABALPUR-ORAI-2	POWERGRID-WR2 (PGCIL)	D	For rectification of shutdown nature defects , For Normalization of spare Reactor at jabalpur PS end , Dia to be kept Open Both ends	21-Mar-2025 09:00	21-Mar-2025 13:30
OCC_588	POWERGRID_WR2	765KV-JABALPUR-ORAI-2 L/R@ JABALPUR - 765KV	POWERGRID-WR2 (PGCIL)	D	For Normalization of spare Reactor work, dia to be kept open both side	21-Mar-2025 09:00	21-Mar-2025 13:30
OCC_588	POWERGRID_WR2	765KV-SASAN-SATNA-1	POWERGRID-WR2 (PGCIL)	D	For rectification of shutdown nature defects at SATNA. Dia to be kept open at both ends	21-Mar-2025 07:00	21-Mar-2025 18:00
OCC_588	POWERGRID_WR2	765KV-SATNA-VINDHYACHAL(PS)-1	POWERGRID-WR2 (PGCIL)	D	Simultaneous outage of 400KV-VINDHYACHAL-REWA-1 and 765KV-SATNA-VINDHYACHAL(PS)-1 is required For Formation of Dual Diamond Crossing, for rectification of Clearance issue (TN 599-TN 600)	21-Mar-2025 07:00	21-Mar-2025 18:00
OCC_588	POWERGRID_WR2	BHUJ - 220KV - BUS 2	POWERGRID-WR2 (PGCIL)	D	AMP OF BHUJ - 220KV - BUS 2	21-Mar-2025 09:00	21-Mar-2025 18:00
OCC_588	POWERGRID_WR2	BUS COUPLER BAY - DEHGAM - 220KV - BUS 1 AND DEHGAM - 220KV - BUS 2 at DEHGAM - 220KV	POWERGRID-WR2 (PGCIL)	C	Simultaneous outage of 220KV BUS COUPLER BAY (206 Bay) for 206-89A, 206-89B Isolator retrofitting work under ADD CAP.	21-Mar-2025 09:00	29-Mar-2025 18:00
OCC_588	POWERGRID_WR2	DEHGAM - 220KV - BUS 1	POWERGRID-WR2 (PGCIL)	D	Simultaneous outage of 220KV BUS COUPLER BAY (206 Bay) for 206-89A Jumper Disconnecting work in BUS-1 for Isolator retrofitting work under ADD CAP	21-Mar-2025 09:00	21-Mar-2025 13:00
OCC_588	POWERGRID_WR2	DEHGAM - 220KV - BUS 2	POWERGRID-WR2 (PGCIL)	D	Simultaneous outage of 220KV BUS COUPLER BAY (206 Bay) for 206-89B Jumper Disconnecting work in BUS-2 for Isolator retrofitting work under ADD CAP	21-Mar-2025 14:00	21-Mar-2025 18:00
OCC_588	POWERGRID_WR2	INDORE - 220KV - BUS 1	POWERGRID-WR2 (PGCIL)	D	BUS AMP WORK.	21-Mar-2025 09:00	21-Mar-2025 18:00
OCC_588	POWERGRID_WR2	MAIN BAY - 220KV-ITARSI-MP-ITARSI-1 AND ITARSI - 220KV - BUS 1 at ITARSI - 220KV	POWERGRID-WR2 (PGCIL)	D	AMP works of Itarsi- Itarsi-1 Main Bay (202)	23-Mar-2025 08:00	21-Mar-2025 18:00
OCC_588	POWERGRID_WR2	MAIN BAY - 400KV/220KV GWALIOR-ICT-3 AND GWALIOR - 220KV - BUS 1 at GWALIOR - 220KV	POWERGRID-WR2 (PGCIL)	D	AMP WORKS	21-Mar-2025 09:00	21-Mar-2025 18:00
OCC_588	POWERGRID_WR2	MAIN BAY - 400KV-INDORE-MP-ASOJ-1 AND ASOJ - 400KV - BUS 1 at ASOJ - 400KV	POWERGRID-WR2 (PGCIL)	D	Simultaneous outage of ASOJ - 400KV - BUS 1 is required for Bus 1 Pento Isolator replacement work, Line charge through TBC Bay under Add cap	21-Mar-2025 07:00	21-Mar-2025 18:00
OCC_588	REL	400KV-RAIPUR-PS (DURG)-REL-2	REL	C	1. Bay equipment maintenance and testing. 2. Transmission line defects rectification work.	21-Mar-2025 09:30	22-Mar-2025 18:00
OCC_588	SCEKAPS12	220KV-KAKRAPAR 1&2-VAV-2	POWERGRID-WR2 (PGCIL)	C	String Insulator RTV coating Installation of RTU an Check energy meters and Bay PM	21-Mar-2025 07:00	22-Mar-2025 20:00
OCC_588	SLDC_CG	400KV-RAITA-KHEDAMARA-1	CHATTISGARH	D	For Schedule Maintenance Work & Testing of Reactor,NGR, Breaker, CT, Isolator, LA, CVT & WT at 400 KV S/s Raita	21-Mar-2025 09:00	21-Mar-2025 17:00
OCC_588	WTPL	400KV-KALLAM PS-PUNE-GIS-1	WTPL-ADANI,RTI,POWERGRID-WR1 (PGCIL)	D	AR disable require for replacement of earth wire with OPGW	21-Mar-2025 08:00	21-Mar-2025 18:00
OCC_588	WTPL	400KV-KALLAM PS-PUNE-GIS-2	WTPL-ADANI,RTI,POWERGRID-WR1 (PGCIL)	D	AR disable require for replacement of earth wire with OPGW	21-Mar-2025 08:00	21-Mar-2025 18:00
OCC_588	POWERGRID_WR1	PUNE-GIS - 400KV - BUS 1	POWERGRID-WR1 (PGCIL)	C	For Bus extension-Old bus GIB to new bus GIB connection- w/o internal conductor fixing (for GIS modules alignment/erection purpose)	22-Mar-2025 06:00	24-Mar-2025 20:00
OCC_588	MSLDC_OUTAGE	220KV-BOISAR-PANCHALI-1	MAHARASHTRA	D	For replacement of Existing 0.4 ACSR Conductor by CCC HTLS Conducto	22-Mar-2025 06:00	22-Mar-2025 19:00
OCC_588	POWERGRID_WR2	KALA - 400KV - BUS 2	POWERGRID-WR2 (PGCIL)	C	Simultaneous outage of 400KV/220KV KALA-ICT-3 is required for EXTENSION MODULE FINAL ERECTION AFTER HV TEST - CONSTRUCTION OF BAY EXTENSION WORK AT	22-Mar-2025 09:00	24-Mar-2025 18:00
OCC_588	KBTL	765KV/400KV KHAVDA PS-I-ICT-1	KBTL	C	Annual Maintenance and testing.	22-Mar-2025 19:00	23-Mar-2025 05:00
OCC_588	POWERGRID_WR1	400KV-JPL-RAIPUR-1	JINDAL POWER (JPL)	C	LBB Relay retrofitting work at Raipur SS	22-Mar-2025 08:00	22-Mar-2025 18:00
OCC_588	POWERGRID_WR2	400KV-VINDHYACHAL-REWA-1	POWERGRID-WR2 (PGCIL)	D	Simultaneous outage of 400KV-VINDHYACHAL-REWA-1 and 765KV-SATNA-VINDHYACHAL(PS)-2 is required For Formation of Dual Diamond Crossing, for rectification of Clearance issue (TN-635-TN 637)	22-Mar-2025 07:00	22-Mar-2025 18:00
OCC_588	ATIL	400KV-API-MUNDRA-SAMI-1	ATIL-ADANI	D	For live line old earthwire replacement work with OPGW.	22-Mar-2025 08:00	22-Mar-2025 18:00
OCC_588	ATIL	400KV-API-MUNDRA-SAMI-2	ATIL-ADANI	D	For live line old earthwire replacement work with OPGW.	22-Mar-2025 08:00	22-Mar-2025 18:00
OCC_588	GETCO	400KV-API-MUNDRA-CHARANKA-1	API-ADANI,GUJARAT	D	Only A/R Non Auto mode require for OPGW work.	22-Mar-2025 06:00	22-Mar-2025 20:00



RTAMC data for availing the actual outage for installation of ICT-3 at PUNE (GIS) Substation

वेबसागर एप्लाइड एलआरएफएससी आउट/बय, BUS, STATCOM VSC₂, FSC & TCSC OUTAGES
(सामिल न करें- आईसीटी / वस रिपेक्टर / स्विचबल एलआर / गैर-स्विचबल एलआर / एववीडीसी मोल आउट/)
(Do not include Elements like - ICT / BUS REACTOR / SWITCHABLE LR / NON-SWITCHABLE LR / HVDC POLE etc.)

[illegible]

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 1X1500 MVA, 765/400 kV ICT (3rd) at Pune (GIS) Substation along with associated bays under Western Region Expansion scheme- XXXI(WRES-XXXI) - Part-C in Western Region-1 of Power Grid Corporation of India Limited, which is under commercial operation w.e.f. 01.04.2025 is detailed as under:

(₹ in Lakh)					
S/N	Particulars	Capital Cost	IEDC	IDC	Total
1	Expenditure upto 31.03.2025	2,590.96	398.69	54.52	3,044.17
2	Estimated Expenditure from 01.04.2025 to 31.03.2026	6,606.32			6,606.32
3	Estimated Expenditure from 01.04.2026 to 31.03.2027	1,140.45			1,140.45
	Total	10,337.73	398.69	54.52	10,790.94

Note 1 : IEDC includes Rs.3.65 Lakh from memorandum of accounts.

We certify that we have verified the expenditure up to 31.03.2025 as referred above on the basis of the information drawn from the audited Statement of Accounts of Power Grid Corporation of India Ltd. (Western Region-1) as on 31.03.2025.

The estimated expenditure is based on Management estimate.

Place:- Hyderabad
Date:- 05.06.2025

For Sagar & Associates
Chartered Accountants
FRN 000510S

(A. Manikanta Rayudu)
Chartered Accountant
M. No 243439
UDIN: 25243439BMIJLB2073

B.O.: Flat No. FF-3, H No 40-6-2, Goteti Apartment, Kandari Hotel Street, Krishna Nagar, Vijayawada – 520 010
B.O.: H. No. 10-1-86, Mehar Nagar, Old Gajuwaka, Visakhapatnam – 530 026
B.O.: No. 4, Poes Road, 4th Street, Teynampet, Chennai – 600 018
B.O.: Flat No. 3C, Jeevan Residency, Behind Kalanjali, Renigunta Road, Tirupati - 517 501

167





SAGAR & ASSOCIATES

CHARTERED ACCOUNTANTS

H.O.: H No. 6-3-244/5, Sarada Devi Street,
Prem Nagar, Hyderabad – 500 004
Phone: 040-2339 5588, 2330 3371
Website: sagarca.com
E-Mail: sagarandassociates@yahoo.co.in
GST No: TS - 36AAJFS7295N1Z8
AP - 37AAJFS7295N2Z5

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 1X1500 MVA, 765/400 kV ICT (3rd) at Pune (GIS) Substation along with associated bays under Western Region Expansion scheme- XXXI(WRES-XXXI) - Part-C in Western Region-1 of Power Grid Corporation of India Limited, which is under commercial operation w.e.f. 01.04.2025 is detailed as under:

(₹ in Lakh)											
S/N	Particulars	Freehold Land	Leasehold Land	Building and Civil Works	Transmission Line	Sub Station	OPGW	Communication System excl. OPGW	I. T Equipment incl. software	Batteries	Total
1	Expenditure upto 31.03.2025	-	-	8.37	-	2,904.92	-	-	130.88	-	3,044.17
2	Estimated Expenditure from 01.04.2025 to 31.03.2026	-	-	5.00	-	6,593.03	-	-	8.29	-	6,606.32
3	Estimated Expenditure from 01.04.2026 to 31.03.2027	-	-	15.00	-	1,111.65	-	-	13.80	-	1,140.45
	Total	-	-	28.37	-	10,609.60	-	-	152.97	-	10,790.94

S/N	Particulars	TL	Sub-Station (including IT, PLCC)	OPGW
1	Total Cost (Plant and Machinery cost excluding IDC, IEDC, Land cost and cost of Civil works for the purpose of Initial Spares)	-	10,310.61	-
2	Initial Spares included above	-	387.89	-

We certify that we have verified the expenditure up to 31.03.2025 as referred above on the basis of the information drawn from the audited Statement of Accounts of Power Grid Corporation of India Ltd. (Western Region-1) as on 31.03.2025.

The estimated expenditure is based on Management estimate.

Place:- Hyderabad
Date:- 05.06.2025

For Sagar & Associates
Chartered Accountants
FRN: 003510S
Hyderabad
(A Manikanta Rayudu)
Partner
M. No 243439
UDIN: 25243439BMLJB2073

B.O.: Flat No. FF-3, H No 40-6-2, Goteti Apartment, Kandari Hotel Street, Krishna Nagar, Vijayawada – 520 010
B.O.: H. No. 10-1-86, Mehar Nagar, Old Gajuwaka, Visakhapatnam – 530 026
B.O.: No. 4, Poes Road, 4th Street, Teynampet, Chennai – 600 018
B.O.: Flat No. 3C, Jeevan Residency, Behind Kalanjali, Renigunta Road, Tirupati - 517 501

108



C/CP/PA2425-12-0U-RCE020

Date: March 21, 2025

MEMORANDUM**Sub: Revised Cost Estimate for "Western Region Expansion Scheme-XXXI (WRES-XXXI)- Part C"**

Kindly refer to Memorandum C/CP/PA2223-12-0BB-IA035 dated March 10, 2023 regarding Investment approval of the subject project at an estimated cost of **₹95.83 crore** including IDC of **₹4.38 crore** based on December, 2022 price level with commissioning schedule of 27th August, 2024 (Best efforts to be made to implement the transmission scheme by 27.05.2024).

Subsequently, due to increase in actual/anticipated cost, Revised Cost Estimate has been approved by Committee on Investment on Projects (POWERGRID) in its 146th meeting held on March 13, 2025 at **₹123.75 crore** including IDC of **₹1.98 crore** with expected commissioning schedule of March, 2025 as per the details given below:

1. Scope of Project

Broad scope of work under the project is given below:

Substation:

Extension of Pune (GIS) 765/400 KV Substation

765 kV Side

- 765/400kV, 1500MVA ICT (3rd): 01 no

400 kV Side

- 400 kV ICT bay (GIS): 01 no.
- 765/400 KV, 1500 MVA ICT in existing Bay with GIS Bus Duct along with associated GIS to AIS termination, Erection hardware is required.

2. परियोजना की लागत एवं वित्तपोषण / Project Cost & Funding

Revised Cost Estimate of the project is **₹123.75 crore** including IDC of **₹1.98 crore**. The abstract of Revised Cost Estimate is attached at **Annexure-I**.

The project is being funded through domestic borrowings/ bonds/ external commercial borrowings (ECBs) etc and POWERGRID's internal resources with a debt: equity ratio of 70:30.

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, CIN : L40101DL1989GOI038121

Registered Office: B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi-110 016. Tel: 011-26560112, 26560121, 26564812, 26564892, CIN : L40101DL1989GOI038121

Website: www.powergridindia.com



3. कार्यविन कार्यक्रम / **Implementation Schedule**

The project is scheduled to be commissioned by March 2025.



(Preeti Nahar)
Sr. DGM (Corporate Planning)



तरण/ 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, Government of Goa, Electricity Department, 3rd Floor, Vidyut Bhavan, Adjacent Hotel Mandovi, Panaji, Tiswadi, Goa 403 001.
5. Managing Director, CSPTCL, Dangania, Raipur (CG) – 492 013
6. Executive Engineer, Administration of Union Territory of Dadra & Nagar Haveli and Daman & Diu Secretariat, Moti Daman-395 220
7. CMD, Grid Controller of India Limited, B-9 (1st Floor), Qutab Institutional Area, Katwaria Sarai, New Delhi -11001
8. COO, Central Transmission Utility of India Limited, Floors No. 5-10, Tower 1, Plot No. 16, IRCON International Tower, Institutional Area, Sector 32, Gurugram, Haryana - 122001

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, MIDC Area, Marol, 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

(Signature)

(Priti Nahar)

Sr. DGM (Corporate Planning)



Distribution:

ED : PMD/ Engg-HVDC, Survey, TD & SGKC / QA&I, FQA / CS / GA&C, ISD, ERP & IT
Cell/ Commercial & RC/ CSR/ Safety, ESG & Net Zero / NTAMC/ System Imp &
Post Award, Materials Management / CMG-Coord/ TBCB / Finance / HRD & RB/
Corp Comm & Law/ CC-Admin, RoW & LAC/ WR-I

CGM I/C : AM/ TL, SS, Civil & Cost/ HR & IR / BDD, JV & IB/ ESMD

Company Secretary

For kind information of :

CMD (through ES)

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

ED (CP & CCC)



(Priti Nahar)

Sr. DGM (Corporate Planning)



Annexure-I

ABSTRACT REVISED COST ESTIMATE		
Western Region Expansion Scheme-XXXI (WRES-XXXI)- Part C		
Sl. No.	DESCRIPTION	AMOUNT (Rs in Crore)
A	Civil Works	
	i) Infrastructure for substations	0.20
B	Equipment Cost	
	a) Substation	111.03
C	Sub Total (A to B)	111.23
D	Incidental Expenditure During construction (IEDC) including contingencies	10.55
E	Sub Total (C to D)	121.77
F	Interest during Construction (IDC)	1.98
	GRAND TOTAL	123.75



Spare Discharge Liability of ICT-3 at Pune under WRES-XXXI

In Lacs

Particulars	(P&M) Sub-Station	Initial Spare discharged
	(including IT, PLCC)	As on COD (01.04.2025)
SS	10310.61	387.89



Summary of Tariff

Form No. - 1

Name of the Transmission Licensee:		Power Grid Corporation of India Limited	
Project	Western Region Expansion Scheme- XXXI (WRES-XXXI) - Part C		
Element Description	1x1500 MVA, 765/400 kV ICT (3rd) at Pune(GIS) substation along with associated bays		
Region	Western Region	DOCO Date	Apr 1, 2025

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Year Days	0.00	365.00	365.00	366.00	365.00
Tariff Days	0.00	365.00	365.00	366.00	365.00
Depreciation-Form No. 10A	0.00	283.01	447.58	472.32	472.32
Interest on Loan-Form No. 9E	0.00	340.66	526.00	521.19	483.88
Return on Equity-Form No. 8	0.00	346.92	558.13	589.22	589.22
Int. on Working capital-Form No.11	0.00	35.56	45.22	47.04	47.82
Op. and maintenance-Form No.2	0.00	466.22	489.95	515.34	543.87
Total AFC	0.00	1,472.37	2,066.88	2,145.11	2,137.11


(Petitioner)



Summary of Asset Level Cost

Form No. - 1A

Name of the Transmission Licensee	Power Grid Corporation of India Limited	
Project	Western Region Expansion Scheme- XXXI (WRES-XXXI) - Part C	
Element Description	1x1500 MVA, 765/400 kV ICT (3rd) at Pune(GIS) substation along with associated bays	
Region	Western Region	DOC Date Apr 1, 2025

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	0.00
Building & Civil Works	0.00	0.00	8.41	0.00	5.00	15.00	0.00	0.00	28.41
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	9,581.44	0.00	924.45	117.99	0.00	0.00	10,623.88
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/	0.00	0.00	151.41	0.00	2.20	0.00	0.00	0.00	153.61
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	9,741.26	0.00	931.65	132.99	0.00	0.00	10,805.90
Less: Liability	0.00	0.00	6,682.13	0.00	0.00	0.00	0.00	0.00	0.00
Add:discharge of liability	0.00	0.00	0.00	0.00	5,674.67	1,007.46	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	3,059.13	0.00	6,606.32	1,140.45	0.00	0.00	10,805.90
Equity	2,874.90	0.00	917.74	0.00	1,981.90	342.13	0.00	0.00	3,241.77
Debt	6,708.10	0.00	2,141.39	0.00	4,624.42	798.32	0.00	0.00	7,564.13

116



Name of the Transmission Licensee		Power Grid Corporation of India Limited	
Project		Western Region Expansion Scheme- XXXI (WRES-XXXI) - Part C	
Element Description		1x1500 MVA, 765/400 kV ICT (3rd) at Pune(GIS) substation along with associated bays	
Region		Western Region	DOCO Date Apr 1, 2025

1. Transmission Lines

(Amount in Rs. Lakh)

Summary:



2. Sub Station

Name of Sub-station	Type of Substation	Voltage Level KV	No. of Transformers/Reactor/SVC etc. (with capacity)	No. of Bays				MVA/MVAR Capacity				Date of Comm. operation	Covered in the present petition Yes/No
				765 KV	400 KV	220 KV	132 KV	765 KV	400 KV	220 KV	132 KV		
PUNE GIS:765/400 KV ICT	GIS	765 KV	1,000					1500.0				Apr 1, 2025	Y
PUNE GIS:400 KV ICT BAY	GIS	400 KV			1,000							Apr 1, 2025	Y
PUNE GIS:765 KV ICT BAY	GIS	765 KV		1,000								Apr 1, 2025	Y

Summary:

O&M Expenses For Substations Covered in the instant petition				2024-25	2025-26	2026-27	2027-28	2028-29
765KV SUB-STATION ICT								
Normative Rate of O&M as per Regulation				0.00	0.276	0.29	0.305	0.322
No. of Units				0.00	1.00	1.00	1.00	1.00
O&M Claimed				0.00	414.00	435.00	457.50	483.00
400 KV GIS SUBSTATION								
Normative Rate of O&M as per Regulation				0.00	21.756	22.897	24.101	25.361
No. of Units				0.00	1.00	1.00	1.00	1.00
O&M Claimed				0.00	21.76	22.90	24.10	25.36

118



765 kV GIS Substation

Normative Rate of O&M as per Regulation	0.00	30.457	32.053	33.74	35.511
No. of Units	0.00	1.00	1.00	1.00	1.00
O&M Claimed	0.00	30.46	32.05	33.74	35.51

119



3. Communication System

Summary:

120



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	466.22	489.95	515.34	543.87
Communication System	0.00	0.00	0.00	0.00	0.00
Total Normative O&M	0.00	466.22	489.95	515.34	543.87
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	0.00	466.22	489.95	515.34	543.87



[Signature]
(Petitioner)

Normative parameters considered for tariff computations

Form No. - 3

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Western Region Expansion Scheme- XXXI (WRES-XXXI) - Part C		
Element Description	1x1500 MVA, 765/400 kV ICT (3rd) at Pune(GIS) substation along with associated bays		
Region	Western Region	DOCO Date	Apr 1, 2025

(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

129



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 bipole scheme (Rs Lakh/MW)	0.00	1.04	1.10	1.16	1.22	1.28
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


(Petitioner)



Name of the Transmission Licensee		Power Grid Corporation of India Limited	
Project	Western Region Expansion Scheme- XXXI (WRES-XXXI) - Part C		
Element Description	1x1500 MVA, 765/400 kV ICT (3rd) at Pune(GIS) substation along with associated bays		
Region	Western Region	DOCO Date	Apr 1, 2025

A) Details of All the Asset Covered under the Scope of the Project

Asset Name	Actual COD of the asset	COD considered for tariff purpose	Effective COD for the project as whole (Refer C)	Weighted Average useful life of the project (Refer D)	Lapsed useful Life of the project as on 01.04.2024 (Refer E)	Balance useful Life of the project as on 01.04.2024 (Refer E)

B) Details as on 01.04.2024 for determination of Single Tariff for the Project Commissioned prior to 01.04.2024

C) Computation of Effective COD for determining lapsed useful life of the project as whole

D) Weighted Average useful Life of the Project as whole

E) Lapsed Weighted average useful life of the project & Balance weighted average Useful life
This refers to the No. of completed years from the effective COD till the last day of the previous tariff period (i.e. 31.03.2024)

1) Effective COD	
2) Last date of the previous tariff control period	Mar 31, 2024
3) No. of Completed years lapsed as on 01.04.2024 (2) - (1)	



4) Remaining useful life (in year) (WAL-lapsed year)

--


(Petitioner)

125



Statement of Capital cost

Form No. -4A

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Western Region Expansion Scheme- XXXI (WRES-XXXI) - Part C		
Element Description	1x1500 MVA, 765/400 KV ICT (3rd) at Pune(GIS) substation along with associated bays		
Region	Western Region	DOCO Date	Apr 1, 2025

A) Capital Cost

(Amount in Rs. Lakh)

Particular	Accrual Basis	Un-discharged Liabilities	Cash Basis
As on relevant date :2025-26			
a) Opening Gross Block Amount as per books	9,741.26	6,682.13	3,059.13
b) Amount of (i) IDC (ii) FERV & (iv) Hedging cost included in A(a) above	54.52	0.00	54.52
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	398.69	0.00	398.69
a) Addition in Gross Block Amount during the period	931.65	0.00	931.65
b) Amount of (i) IDC (ii) 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	10,672.91	1,007.46	9,665.45
b) Amount of (i) IDC (ii) FERV & (iv) Hedging cost included in C(a) above	54.52	0.00	54.52
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	398.69	0.00	398.69
As on relevant date :2026-27			
a) Opening Gross Block Amount as per books	10,672.91	1,007.46	9,665.45
b) Amount of (i) IDC (ii) FERV & (iv) Hedging cost included in A(a) above	54.52	0.00	54.52

126



c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	398.69	0.00	398.69
---	--------	------	--------

a) Addition in Gross Block Amount during the period	132.99	0.00	132.99
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	10,805.90	0.00	10,805.90
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	54.52	0.00	54.52
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	398.69	0.00	398.69

As on relevant date :2027-28			
a) Opening Gross Block Amount as per books	10,805.90	0.00	10,805.90
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in A(a) above	54.52	0.00	54.52
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	398.69	0.00	398.69

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	10,805.90	0.00	10,805.90
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	54.52	0.00	54.52
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	398.69	0.00	398.69

As on relevant date :2028-29			
a) Opening Gross Block Amount as per books	10,805.90	0.00	10,805.90
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in A(a) above	54.52	0.00	54.52
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	398.69	0.00	398.69



127

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	10,805.90	0.00	10,805.90
b) Amount of (i) IDC (ii) FC (iii) FERV & (iv) Hedging cost included in C(a) above	54.52	0.00	54.52
c) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	398.69	0.00	398.69

B) Flow of liability for the Asset

(Amount in Rs. Lakh)

Particular	2025-2026	2026-2027						
Opening balance of liability	6,682.13	1,007.46	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	0.00
Discharge of liability by payment and claimed as ACE	5,674.67	1,007.46	0.00	0.00	0.00	0.00	0.00	0.00
Reversal/cancellation (to be entered)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Closing Balance of Admitted liability	1,007.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00

(Signature)
(Petitioner)



Abstract of Capital Cost Estimates and Schedule of Commissioning for New Project/Element

Name of the Transmission Asset: 1X1500 MVA, 765/400 kV ICT (3rd) at Pune (GIS) Substation along with associated bays under WRES XXXI

Board of Director/ Agency approving the Capital cost estimates:	CMD, POWERGRID	
Date of approval of the Capital cost estimates:	08-03-2023	
	Present Day Cost	Completed Cost
Price level of approved estimates	As of End of Q3 Qtr. of the year 2022-23	As on Scheduled COD of the transmission system/ transmission element/ Communication System
Foreign Exchange rate considered for the Capital cost estimates	-	-
Capital Cost excluding IDC, IEDC& FC		
Foreign Component, if any (In Million US \$ or the relevant Currency)	-	-
Domestic Component (Rs. Lakh)	8039.15	10337.73
Capital cost excluding IDC, FC, FERV & Hedging Cost (Rs. Lakh)	8039.15	10337.73
IDC, IEDC, FC, FERV & Hedging Cost		
Foreign Component, if any (In Million US \$ or the relevant Currency)	-	-
Domestic Component (Rs Lakh)	1543.38	453.21
Total IDC, FC, FERV & Hedging Cost (Rs Lakh)	1543.38	453.21
Rate of taxes & duties considered	18% GST	18% GST
Capital cost Including IDC, IEDC, FC, FERV & Hedging Cost		
Foreign Component, if any (In Million US \$ or the relevant Currency)	-	-
Domestic Component (Rs Lakh)	9582.54	10790.94
Capital cost Including IDC, IEDC& FC (Rs Lakh)	9582.54	10790.94
Schedule of Commissioning		
COD of transmission system 1 /transmission element 1/ Communication System 1		
COD of transmission system 1/ transmission element 2/ Communication System 2		
COD of last transmission system /transmission element / Communication System	27-08-2024	01-04-2025

Note:

1. Copy of approval letter by the Board duly certified by the Company secretary should be enclosed
2. Details of Capital Cost are to be furnished as per FORM-5 or 5A as applicable
3. Details of IDC & Financing Charges are to be furnished as per FORM-12(B).



Element wise Break-up of Project/Asset/Element Cost for Transmission System or Communication System

Name of the Transmission Asset : 1X1500 MVA/765/400 kV ICI (3rd) at Pune (GIS) Substation along with associated bays under WRES XXXI

Part-III
FORM 5

S. No. (1)		Particulars (2)	Cost in Lakh											Projected/actual cost of Deferred work to be capitalised after COD but before cut-off date (7)	Variation between actual Cost and IARCE cost as on COD (8=(3 or 4)-(5+7))	Reasons for Variation (9)	Un- Discharge Liabilities included in Col. 5 (10)	Admitted cost (11)	Capital Work in Progress as per Books of Account or Account as on COD (12)
			As per Original Estimates (3)			As per Revised Cost Estimates (If any)(4)			Actual Capital Expenditure (Gross Block) as on COD as per Books of Account ^{4,5,6} (5)				The portion Capital cost included in col. 5 which is not eligible for transmission tariff (eg. Grant, other business etc.) (6)						
			Qty	rate	Estimated Cost	Quantity	Rate	Estimated Cost	Quantity	Rate	Gross Block of the asset								
A	TRANSMISSION LINE																		
1	Preliminary works																		
1.3	Total Preliminary works (1.1+1.2)				0			0											
2	Transmission Lines material																		
2.9	Total Transmission Lines material (2.1+2.2+2.3+2.4+2.5+2.6+2.7+2.8)				0			0											
3	Taxes and Duties																		
3.3	Total Taxes & Duties (3.1+3.2)				0			0											
3.4	Total - Transmission lines (1.3+2.9+3.3)				0			0											
B.	SUBSTATIONS																		
4	Preliminary works & land																		
4.4	Total Preliminary works & land (4.1+4.2+4.3)				0.00			0.00											
5	Civil Works																		
5.1	Control Room & Office Building including HVAC																		
5.2	Township & Colony																		
5.3	Roads and Drainage																		
5.4	Foundation for structures																		
5.5	Misc. civil works		LS	483.59	483.59	LS	654.96	654.96	LS	654.96	607.52	47.43	-171.37	As per site condition	105.22				
5.6	Total Civil Works (5.1+5.2+5.3+5.4+5.5)				503.59			674.96			7.12	20.00	-7.12	As per site condition					
6	Substation Equipment										614.64	67.43	-178.49		105.22				
6.1	Switchgear (CT,PT, Circuit Breaker, Isolator etc)		Lot	2671.61	2671.61	Lot	2274.40	2274.40	Lot	1757.43	611.36			As per rates received in competitive bidding	304.38				
6.2	Transformers		LS	4402.2	4402.20	LS	7240.87	7240.87	LS	6139.9	208.71			As per rates received in competitive bidding	6,139.90				
6.3	Compensating Equipment (Reactor, SVCs etc)												0.00						
6.4	Control , Relay & Protection Panel		LS	53.78	53.78	LS	139.53	139.53	LS	129.52	2.22			As per rates received in competitive bidding	23.24				
6.5	PLCC																		
6.6	HVDC package												0.00						
6.7	Bus Bars/ conductors / Insulators		LS	7.38	7.38	LS	465.98	465.98	LS	397.11	83.94			As per rates received in competitive bidding	68.78				
6.8	Outdoor lighting		LS	3.30	3.30	LS	8.53	8.53	LS	3.36	0.61			Minor variation	0.58				
6.9	Emergency D.G. Set												0.00						
6.1	Grounding System												0.00						
6.11	Structure for switchyard		LS	97.66	97.66	LS	92.65	92.65	LS	72.37	19.44			Minor variation	12.53				
	Substation Auxiliaries		LS	299.63	299.63	LS	225.59	225.59	LS	158.76	70.92			As per rates received in competitive bidding	27.50				
6.12	Total Substation Equipment (Sum of 6.1 to 6.11)				7835.56			10447.55			8658.45	997.20	-2120.09		6,576.91				
7	Spares								LS	0.00	0.00		0.00						
8	Taxes and Duties																		

130



Note:

1. In case of cost variation, a detailed note giving reasons of such variation should be submitted clearly, indicating whether such cost over-run was beyond the control of the transmission licensee.
2. Separate details of free hold/lease hold land should be submitted.
3. Deduction form Gross Block includes the Grant Received as on COD, Gross block as on COD which pertains to other business, Adjustment of excess initial spare etc.



Break-up of Construction/Supply/Service Packages													Rs in lakhs	
S. No.	Name/No. of Construction /supply/service package	Scope of works ¹ (in line with head of cost break-ups as applicable)	Whether awarded through ICB/DCB/ Departmental/ y/ Deposit Work, etc.	No. of bids received	Date of Award	Date of Start of work	Date of Completion of Work	Value of Award ² in (Rs. Lakh).	Firm or With Escalatio n in prices	Actual expenditure till the completion or up to COD whichever is earlier (Rs. Lakh)	Taxes & Duties and IEDC (Rs. Lakh)	IDC, FC, FERV & Hedging cost (Rs. Lakh)	Sub- Total (Rs. Lakh)	
1	GIS Substation Extension Package SS107	Extension of 765/400KV Pune, Shikrapur Substation (POWERGRID) - Supply	DCB	1	01-09-2023	01-09-2023	01-04-2025	2551.77	Firm	1977.72	755.10	49.84	2782.66	
2	GIS Substation Extension Package SS107	Extension of 765/400KV Pune, Shikrapur Substation (POWERGRID) - Service	DCB	1	01-09-2023	01-09-2023	01-04-2025	561.72	Firm	166.33	82.28	4.53	253.15	
3	NIT Advertisement								Firm	6.78	1.44	0.15	8.37	
4													0.00	
5										2150.84	838.82	54.52	3044.18	



Details of all the assets covered in the project

Form No. - 5B

Name of the Transmission Licensee		Power Grid Corporation of India Limited		
Project	Western Region Expansion Scheme- XXXI (WRES-XXXI) - Part C			
Element Description	1x1500 MVA, 765/400 kV ICT (3rd) at Pune(GIS) substation along with associated bays			
Region	Western Region	DOCO Date	Apr 1, 2025	SCOD

(Amount in Rs. Lakh)


(Petitioner)

134



Financial Package upto COD

Form No. - 6

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Western Region Expansion Scheme- XXXI (WRES-XXXI) - Part C		
Element Description	1x1500 MVA, 765/400 kV ICT (3rd) at Pune(GIS) substation along with associated bays		
Region	Western Region	DOCO Date	Apr 1, 2025

(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	6,708.10	INR	2,141.39		0.00
Equity		0.00		0.00		0.00
Foreign		0.00		0.00		0.00
Domestic	INR	2,874.90	INR	917.74		0.00
Total Equity	INR	2,874.90	INR	917.74		0.00
Debt Equity Ratio					70:30	
Total Cost	INR	9,583.00	INR	3,059.13		0.00

Particulars	Debt	Equity	Total
Addcap for 2025 - 2026			6,606.32
Addcap for 2026 - 2027			1,140.45
Addcap for 2027 - 2028			0.00
Addcap for 2028 - 2029			0.00

135



Particulars	Actual	Normative	
Addcap for 2025 - 2026			
Equity		1,981.90	
Debt		4,624.42	
Total		6,606.32	
Addcap for 2026 - 2027			
Equity		342.13	
Debt		798.32	
Total		1,140.45	
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		10,805.90	


(Petitioner)



Statement of Additional Capitalisation after COD

Form No. - 7

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Western Region Expansion Scheme- XXXI (WRES-XXXI) - Part C		
Element Description	1x1500 MVA, 765/400 kV ICT (3rd) at Pune(GIS) substation along with associated bays		
Region	Western Region	DOCO Date	Apr 1, 2025

(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: Un-discharged 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	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 :2025-26 (Actual/Projected)									

137



Land (Freehold Land)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building & Civil Works	5.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	0.00
Transmission Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Substations	924.45	0.00	0.00	0.00	0.00	0.00	5,668.58	6,593.03	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	2.20	0.00	0.00	0.00	0.00	0.00	6.09	8.29	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	931.65	0.00	0.00	0.00	0.00	0.00	5,674.67	6,606.32	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	15.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	0.00
Transmission Lines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Substations	117.99	0.00	0.00	0.00	0.00	0.00	993.66	1,111.65	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	13.80	13.80	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	132.99	0.00	0.00	0.00	0.00	0.00	1,007.46	1,140.45	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	Western Region Expansion Scheme- XXXI (WRES-XXXI) - Part C		
Element Description	1x1500 MVA, 765/400 kV ICT (3rd) at Pune(GIS) substation along with associated bays		
Region	Western Region	DOCO Date	Apr 1, 2025

(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
Amount capitalized in Work/ Equipment									
Financing Details									
Total Loan	0.00	4,624.42	798.32	0.00	0.00				
Equity	0.00	1,981.90	342.13	0.00	0.00				
Total	0.00	6,606.32	1,140.45	0.00	0.00				

[Signature]
(Petitioner)



Calculation of ROE

Form No. - 8

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Western Region Expansion Scheme- XXXI (WRES-XXXI) - Part C		
Element Description	1x1500 MVA, 765/400 kV ICT (3rd) at Pune(GIS) substation along with associated bays		
Region	Western Region	DOCO Date	Apr 1, 2025

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
No. of Days in the year	0.00	365.00	365.00	366.00	365.00
No. of days for which tariff claimed	0.00	365.00	365.00	366.00	365.00
Opening Normative Equity	0.00	917.74	2,899.64	3,241.77	3,241.77
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)	0.00	917.74	2,899.64	3,241.77	3,241.77
Add: Increase in Equity due to addition during the year / period	0.00	279.50	39.90	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	0.00	1,702.40	302.23	0.00	0.00
Closing Normative Equity	0.00	2,899.64	3,241.77	3,241.77	3,241.77
Average Normative Equity	0.00	1,908.69	3,070.71	3,241.77	3,241.77
Rate of return on Equity (%)	0.00	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	0.00	15.00	15.00	15.00	15.00
MAT/Corporate Rate	0.00	17.472	17.472	17.472	17.472
Grossed up rate of ROE	0.00	18.176	18.176	18.176	18.176
Return on Equity	0.00	346.92	558.13	589.22	589.22
Pro rata return on Equity	0.00	346.92	558.13	589.22	589.22



141

Calculation of WAR of interest on actual loan

Form No. - 9C

Name of the Transmission Licensee	Power Grid Corporation of India Limited			
Project	Western Region Expansion Scheme- XXXI (WRES-XXXI) - Part C			
Element Description	1x1500 MVA, 765/400 kV ICT (3rd) at Pune(GIS) substation along with associated bays			
Region	Western Region	DOCO Date	Apr 1, 2025	

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Canara-01 -DOCO LOAN					
Gross Loan- Opening	0.00	27.20	27.20	27.20	27.20
Cumulative repayments of Loans upto previous year	0.00	1.51	4.53	7.56	10.58
Net loan-Opening	0.00	25.69	22.67	19.64	16.62
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	3.02	3.02	3.02	3.02
Net Loan-Closing	0.00	22.67	19.65	16.62	13.60
Average Net Loan	0.00	24.18	21.16	18.13	15.11
Rate of Interest on Loan on Annual Basis	0.00	7.90	7.90	7.90	7.90
Interest on loan	0.00	1.9102	1.6716	1.4323	1.1937

Canara-01 -DOCO LOAN					
Gross Loan- Opening	0.00	73.52	73.52	73.52	73.52
Cumulative repayments of Loans upto previous year	0.00	4.08	12.25	20.42	28.59
Net loan-Opening	0.00	69.44	61.27	53.10	44.93
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	8.17	8.17	8.17	8.17
Net Loan-Closing	0.00	61.27	53.10	44.93	36.76



Average Net Loan	0.00	65.36	57.19	49.02	40.85
Rate of Interest on Loan on Annual Basis	0.00	7.90	7.90	7.90	7.90
Interest on loan	0.00	5.1634	4.518	3.8726	3.2272

Canara-02 -DOCO LOAN

Gross Loan- Opening	0.00	600.00	600.00	600.00	600.00
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	42.86
Net loan-Opening	0.00	600.00	600.00	600.00	557.14
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	42.86	85.71
Net Loan-Closing	0.00	600.00	600.00	557.14	471.43
Average Net Loan	0.00	600.00	600.00	578.57	514.29
Rate of Interest on Loan on Annual Basis	0.00	7.90	7.90	7.90	7.90
Interest on loan	0.00	47.40	47.40	45.707	40.6289

Canara-02 -DOCO LOAN

Gross Loan- Opening	0.00	500.00	500.00	500.00	500.00
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	35.71
Net loan-Opening	0.00	500.00	500.00	500.00	464.29
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	35.71	71.43
Net Loan-Closing	0.00	500.00	500.00	464.29	392.86
Average Net Loan	0.00	500.00	500.00	482.15	428.58
Rate of Interest on Loan on Annual Basis	0.00	7.90	7.90	7.90	7.90
Interest on loan	0.00	39.50	39.50	38.0899	33.8578



Canara-02 -DOCO LOAN

Gross Loan- Opening	0.00	600.00	600.00	600.00	600.00
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	42.86
Net loan-Opening	0.00	600.00	600.00	600.00	557.14
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	42.86	85.71
Net Loan-Closing	0.00	600.00	600.00	557.14	471.43
Average Net Loan	0.00	600.00	600.00	578.57	514.29
Rate of Interest on Loan on Annual Basis	0.00	7.90	7.90	7.90	7.90
Interest on loan	0.00	47.40	47.40	45.707	40.6289

Canara-02 -DOCO LOAN

Gross Loan- Opening	0.00	330.20	330.20	330.20	330.20
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	23.59
Net loan-Opening	0.00	330.20	330.20	330.20	306.61
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	23.59	47.17
Net Loan-Closing	0.00	330.20	330.20	306.61	259.44
Average Net Loan	0.00	330.20	330.20	318.41	283.03
Rate of Interest on Loan on Annual Basis	0.00	7.90	7.90	7.90	7.90
Interest on loan	0.00	26.0858	26.0858	25.1544	22.3594

Summary

Gross Loan- Opening	0.00	2,130.92	2,130.92	2,130.92	2,130.92
Cumulative repayments of Loans upto previous year	0.00	5.59	16.78	27.98	184.19



Net loan-Opening	0.00	2,125.33	2,114.14	2,102.94	1,946.73
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	11.19	11.19	156.21	301.21
Net Loan-Closing	0.00	2,114.14	2,102.95	1,946.73	1,645.52
Average Net Loan	0.00	2,119.74	2,108.55	2,024.85	1,796.15
Rate of Interest on Loan on Annual Basis	0.00	7.90	7.90	7.90	7.90
Interest on loan	0.00	167.4594	166.5754	159.9632	141.8959


(Petitioner)



Loans in Foreign Currency

Form No. - 9D

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Western Region Expansion Scheme- XXXI (WRES-XXXI) - Part C		
Element Description	1x1500 MVA, 765/400 kV ICT (3rd) at Pune(GIS) substation along with associated bays		
Region	Western Region	DOCO Date	Apr 1, 2025


(Petitioner)



Calculation of interest on Normative loan

Form No. - 9E

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Western Region Expansion Scheme- XXXI (WRES-XXXI) - Part C		
Element Description	1x1500 MVA, 765/400 kV ICT (3rd) at Pune(GIS) substation along with associated bays		
Region	Western Region	DOCO Date	Apr 1, 2025

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
No. of Days in the Year	0.00	365.00	365.00	366.00	365.00
No. of days for which Tariff claimed	0.00	365.00	365.00	366.00	365.00
Gross normative loan-Opening	0.00	2,141.39	6,765.81	7,564.13	7,564.13
Cumulative repayments of Normative loan upto previous year	0.00	0.00	283.01	730.59	1,202.91
Net normative loan-Opening	0.00	2,141.39	6,482.80	6,833.54	6,361.22
Addition in normative loan towards the ACE	0.00	4,624.42	798.32	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	0.00	283.01	447.58	472.32	472.32
Adjustment of cumulative repayment pertaining to the decapitalised asset	0.00	0.00	0.00	0.00	0.00
Net normative loan - closing	0.00	6,482.80	6,833.54	6,361.22	5,888.90
Average normative loan	0.00	4,312.10	6,658.17	6,597.38	6,125.06
Weighted Average Rate of interest on actual loan	0.00	7.90	7.90	7.90	7.90
Interest on normative loan	0.00	340.66	526.00	521.19	483.88
Pro rata interest on normative loan	0.00	340.66	526.00	521.19	483.88


(Petitioner)

147

Calculation of Depreciation Rate on Original Project Cost

Form No. - 10

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Western Region Expansion Scheme- XXXI (WRES-XXXI) - Part C		
Element Description	1x1500 MVA, 765/400 kV ICT (3rd) at Pune(GIS) substation along with associated bays		
Region	Western Region	DOCO Date	Apr 1, 2025

(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
2025-26						
Land(Freehold)	0.00	0.00	0.00	0.00	0.00	0.00
Civil & Building	8.41	5.00	13.41	10.91	3.34	0.36
Transmission Line	0.00	0.00	0.00	0.00	4.22	0.00
Sub Station	2,919.20	6,593.03	9,512.23	6,215.72	4.22	262.30
Comm. Sys. excluding Fiber Optic	0.00	0.00	0.00	0.00	15.00	0.00
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDMS/SCADA,etc	131.52	8.29	139.81	135.67	15.00	20.35
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	3,059.13	6,606.32	9,665.45	6,362.30	0.00	283.01
Weighted Average Rate of Depreciation(%)					4.448234	

2026-27						
Land(Freehold)	0.00	0.00	0.00	0.00	0.00	0.00



148

Civil & Building	13.41	15.00	28.41	20.91	3.34	0.70
Transmission Line	0.00	0.00	0.00	0.00	4.22	0.00
Sub Station	9,512.23	1,111.65	10,623.88	10,068.06	4.22	424.87
Comm. Sys. excluding Fiber Optic	0.00	0.00	0.00	0.00	15.00	0.00
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDMS/SCADA,etc	139.81	13.80	153.61	146.71	15.00	22.01
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	9,665.45	1,140.45	10,805.90	10,235.68	0.00	447.58
Weighted Average Rate of Depreciation(%)					4.372743	

2027-28						
Land(Freehold)	0.00	0.00	0.00	0.00	0.00	0.00
Civil & Building	28.41	0.00	28.41	28.41	3.34	0.95
Transmission Line	0.00	0.00	0.00	0.00	4.22	0.00
Sub Station	10,623.88	0.00	10,623.88	10,623.88	4.22	448.33
Comm. Sys. excluding Fiber Optic	0.00	0.00	0.00	0.00	15.00	0.00
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDMS/SCADA,etc	153.61	0.00	153.61	153.61	15.00	23.04
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	10,805.90	0.00	10,805.90	10,805.90	0.00	472.32
Weighted Average Rate of Depreciation(%)					4.370946	



2028-29

Land(Freehold)	0.00	0.00	0.00	0.00	0.00	0.00
Civil & Building	28.41	0.00	28.41	28.41	3.34	0.95
Transmission Line	0.00	0.00	0.00	0.00	4.22	0.00
Sub Station	10,623.88	0.00	10,623.88	10,623.88	4.22	448.33
Comm. Sys. excluding Fiber Optic	0.00	0.00	0.00	0.00	15.00	0.00
Leasehold Land	0.00	0.00	0.00	0.00	3.34	0.00
IT/Software/UNMS/URTDMS/SCADA,etc	153.61	0.00	153.61	153.61	15.00	23.04
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	10,805.90	0.00	10,805.90	10,805.90	0.00	472.32
Weighted Average Rate of Depreciation(%)					4.370946	


(Petitioner)



Statement of Depreciation

Form No. - 10A

Name of the Transmission Licensee	Power Grid Corporation of India Limited			
Project	Western Region Expansion Scheme- XXXI (WRES-XXXI) - Part C			
Element Description	1x1500 MVA, 765/400 kV ICT (3rd) at Pune(GIS) substation along with associated bays			
Region	Western Region	DOCO Date	Apr 1, 2025	

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
No of Days in the year	0.00	365.00	365.00	366.00	365.00
No of days for which tariff claimed	0.00	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	0.00	24.00	24.00	24.00	24.00
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)	0.00	24.00	23.00	22.00	21.00
Capital Base					
1.4 Opening capital cost	0.00	3,059.13	9,665.45	10,805.90	10,805.90
1.5 Additional Capital Expenditure dr. the year	0.00	6,606.32	1,140.45	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	0.00	9,665.45	10,805.90	10,805.90	10,805.90
1.8 Average capital cost	0.00	6,362.30	10,235.68	10,805.90	10,805.90
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	135.67	146.71	153.61	153.61
1.11 Asset having 10% salvage value included in 1.8	0.00	6,226.63	10,088.97	10,652.29	10,652.29
1.12 Depreciable Value(1.10+90% of 1.11)	0.00	5,739.64	9,226.78	9,740.67	9,740.67
Depreciation for the period and Cum. Depreciation					
1.13 Weighted Average Rate of depreciation	0.00	4.448234	4.372743	4.370946	4.370946

151



1.14 Depreciation(for the period)	0.00	283.01	447.58	472.32	472.32
1.15 Depreciation(Annualised)	0.00	283.01	447.58	472.32	472.32
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	0.00	283.01	730.59	1,202.91
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	0.00	283.01	730.59	1,202.91	1,675.23

(Petitioner)



152

Calculation of interest on working Capital

Form No. - 11

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Western Region Expansion Scheme- XXXI (WRES-XXXI) - Part C		
Element Description	1x1500 MVA, 765/400 kV ICT (3rd) at Pune(GIS) substation along with associated bays		
Region	Western Region	DOCO Date	Apr 1, 2025

(Amount in Rs. Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
No of Days in the year	0.00	365.00	365.00	366.00	365.00
No of days for which tariff claimed	0.00	365.00	365.00	366.00	365.00
O&M Expenses-one month	0.00	38.85	40.83	42.95	45.32
Maintenance spares 15% of O&M Expenses	0.00	69.93	73.49	77.30	81.58
Receivables equivalent to 45 days of AFC	0.00	181.53	254.82	263.74	263.48
Total Working capital	0.00	290.31	369.14	383.99	390.38
Bank Rate as on 01.04.2024 or as on 01st April of the COD year, whichever is later.	0.00	12.25	12.25	12.25	12.25
Interest on working capital	0.00	35.56	45.22	47.04	47.82
Pro rata interest on working capital	0.00	35.56	45.22	47.04	47.82

(Petitioner)



Drawdown schedule Calculation of IDC & Financing Charges

Form No. - 12B

Name of the Transmission Licensee	Power Grid Corporation of India Limited		
Project	Western Region Expansion Scheme- XXXI (WRES-XXXI) - Part C		
Element Description	1x1500 MVA, 765/400 kV ICT (3rd) at Pune(GIS) substation along with associated bays		
Region	Western Region	DOCO Date	Apr 1, 2025

Particulars	Quarter 1		Quarter 2		Quarter n (COD)	
	Quantum in FC	Ex. Rate on Drawn Date	Amount in Indian Rupee	Quantum in FC	Ex. Rate on Drawn Date	Amount in Indian Rupee
Loans						
Foreign Loans						
Total of Foreign Loans						
Indian Loans						
Canara-01 -DOCO LOAN						
Draw Down Account						27.20
IDC						
Financing Charges						
Canara-01 -DOCO LOAN						

154



Delay reasons for Commissioning of WRES-XXXI Project

S.No.	Description of Activity/Works/Service	Original Schedule (As per Planning) LOA		Actual Achieved (As per Actual)		Time Over-Run Months	Agency responsible and whether such time over run was beyond the control of the Transmission Licensee	Reasons for delay	Other Activity affected (Mention Sr. No of activity affected)
		Start Date	Completion Date	Start Date	Completion Date				
1.	Award of Contract (NOA)	01-09-2023	30-11-2024	01-09-2023	30-03-2025	4.00			
2.	Supply of Structures	05-03-2024	30-04-2024	01-07-2024	18-11-2024	6.73			
3.	Supply of Main Substation Equipment's	05-03-2024	31-05-2024	08-02-2024	05-01-2025	7.30	ICT#3 commissioned on 30/03/2025 1. Delay In due to Non-Receipt of continuous outage of existing elements in Pune Substation for Indoor GIB erection, Inter-connection works, Busbar testing and other various construction works under WRES-31 project. OCC MOM is enclosed for reference.		
4.	Supply of Transformer	25-06-2024	12-11-2024	03-09-2024	03-10-2024	-1.33			
5.	Civil works	02-09-2023	31-08-2024	07-03-2024	28-04-2025	8.00			
6.	Erection of Substation Equipments	01-04-2024	30-09-2024	27-11-2024	11-03-2025	5.40			
7.	Erection of Transformer	01-08-2024	17-12-2024	22-10-2024	17-12-2024	0.00			
8.	Final Testing and Commissioning	01-09-2024	30-11-2024	11-02-2025	30-03-2025	4.00			


(Petitioner)



Incidental Expenditure during Construction

Name of the Petitioner: M/s Power Grid Corporation of India Ltd.
Name of the Region: Western Region - I
Name of the Project: WESTERN REGION TRANSMISSION EXPANSION SCHEME - XXXI (WRES-XXXI)
Name of the Transmission Element: 1X1500 MVA, 765/400 kV ICT (3rd) at Pune (GIS) Substation along with associated bays

₹ in Lakhs

SL No.	Parameters	F/Y 2022-23	F/Y 2023-24	F/Y 2024-25 (till DOCO)	Total
A	Expenses:				
1	Communication Expenses		-	0.74	0.74
2	Corp. Centre/RHQ Expd. Transfer to WIP		0.45	45.70	46.14
3	Depreciation				-
4	Employees' Remuneration & Benefits		94.70	242.83	337.53
5	Other Office and Administrative Expenses		2.96	10.91	13.87
	Total Expenses (A)	-	98.10	300.17	398.28
B	Less :-				
1	Income recovered from Contractors				-
2	Income from Others		1.50	1.73	3.24
	Total Less (B)	-	1.50	1.73	3.24
C	Memorandum of Accounts		0.92	2.74	3.65
	Total(A-B+C)	-	97.52	301.18	398.69



Name of the petitioner Claimed / Admitted COD		Power Grid Corporation of India Ltd 01-04-2025										Details of Initial Spares			
		A) Determination of Excess Initial Spares and its adjustment from Capital cost										Cut-off Date of the Asset: 31/3/2029			
Particulars	Plant and machinery cost as on cut-off Date ¹	Initial Spares Capitalised as per Books of Account up to Cut-off Date					Ceiling limit as mentioned in Regulations 23	Entitled Initial Spares as per Regulations	Excess of capitalised Initial Spares to be reduced from Capital cost.	Adjustment of Excess Initial Spares from Capital cost of Plant and Machinery					
		As on CO D	2024-25	2025-26	2026-27	Total as on Cut off Date ³				COD	2024-25	2025-26	2026-27		
1		2	3	4	5	6	7	8	9	10=7-9(Note 2)	11	12	13	14	
Transmission Line	0.00	0	-	-	-	-	0	1.00%	0	0	0	-	-		
Substation Green field	-	-	-	-	-	-	0	4.00%	-	-	-	-	-		
Substation Brown field	0.00	0	0	0	0	0	0	6.00%	0	0	-	-	-		
Series Compensation	-	-	-	-	-	-	-	4.00%	-	-	-	-	-		
Breakers and HVDC Station	-	-	-	-	-	-	-	-	-	-	-	-	-		
GIS/S: Green field	-	-	-	-	-	-	-	5.00%	-	-	-	-	-		
GIS/S: Brown field	9922.72	387.89	-	-	-	-	387.89	7.00%	746.87	0	-	-	-		
Communication system	0.00	0	-	-	-	0	0	3.50%	0	-	-	-	-		
Static Synchronous Compensator	-	-	-	-	-	-	-	6.00%	-	-	-	-	-		
Initial spares as per Books of Account															
Un-Discharge liabilities included above:															
Total Capitalized Initial spares															

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

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 and machinery cost as on COD for Initial Spares purpose	Plant & Machinery Capitalised as ACE up to cut off date				Plant and machinery cost as on cut-off Date for the purpose of Initial spares	
		Land Cost	Cost of Civil Work	IDC	IE DC	Initial Spares		2024-25	2025-26	2026-27	2027-28		2028-29
a	b	c	d	e	f	g	h=b-c-d-e-f-g	i	j				
Transmission Line													
Substation Green field													
Substation Brown field													
Series Compensation devices and HVDC Station													
Gas Insulated Substation-Green field													
Gas Insulated Substation-Brown field	9726.2998	7.12	54.52	398.69	387.89		8878.08	0.00	926.65	117.99	0.00	0.00	9922.72
Communication System							0						0.00
Static Synchronous Compensator													

Note: The Cost details for the year in which Cut-off date falls has to be provided only up to the cut-off date.



(Petitioner)

Other Income as on COD

Name of the Petitioner: M/s Power Grid Corporation of India Ltd.
Name of the Region: Western Region - I
Name of the Project: WESTERN REGION TRANSMISSION EXPANSION SCHEME - XXXI (WRES-XXXI)
Name of the Transmission Element: 1X1500 MVA/765/400 kV ICT (3rd) at Pune (GIS) Substation along with associated bays

₹ in Lakhs

Sl. No.	Parameters	F/Y 2022-23	F/Y 2023-24	F/Y 2024-25 (Hill DOCO)	Total
1	Income recovered from Contractors	-	1.50	1.73	-
2	Income from Others	-	-	-	3.24
	Total	-	1.50	1.73	3.24

160



Pawan Kumar {पवन कुमार}

From: Khushboo Jain {खुशबू जैन}
Sent: 24 March 2025 10:51
To: Pawan Kumar {पवन कुमार}; pgbonds
Subject: FW: Interest Calculation for month of March 2025

From: Canara Bank LCB Nehru Place New Delhi <cb2624@canarabank.com>
Sent: Monday, March 24, 2025 9:47 AM
To: Shreyans Jain {श्रैयांस जैन} <shreyans.jain@powergrid.in>
Cc: Khushboo Jain {खुशबू जैन} <khushboojain@powergrid.in>
Subject: Interest Calculation for month of March 2025

Dear Sir / Madam

Please find manual interest calculation of the mentioned below accounts for month of March 2025:

ACCOUNT NUMBER	173000414153				
Date From	Date Till	No. of days	Principal Liability	ROI	Interest
01-03-2025	31-03-2025	31	42,50,00,00,000.00	7.90%	285157534

ACCOUNT NUMBER	173000712601				
Date From	Date Till	No. of days	Principal Liability	ROI	Interest
01-03-2025	31-03-2025	31	13,37,00,00,000.00	7.90%	89707205



Please verify the interest amount and inform us immediately incase of any discrepancy.

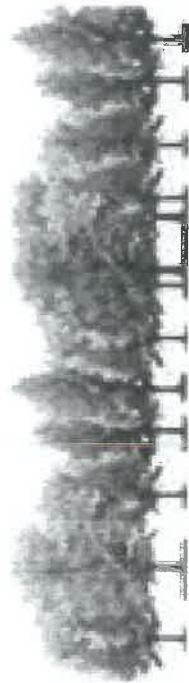
धन्यवाद एवं सादर | Thanks & Regards,
Ankita Chande
Officer

केनरा बैंक / Canara Bank,
लार्ज कॉर्पोरेट शाखा/ Large Corporate Branch,
नेहरु प्लेस / Nehru Place,
नई दिल्ली / New Delhi - 110019

IFSC Code: CNRB0002624



(As per bank corporate e-mail policy, it is necessary to put Sender Name, Designation and Contact Number.)



वृक्ष बचाएं। जब तक अत्यंत आवश्यक ना हो, इस ईमेल का मुद्रण न करें/
Save a tree... Please don't print this e-mail unless you really need to.



Pawan Kumar {पवन कुमार}

From: Shreyans Jain {श्रेयांस जैन}
Sent: 25 February 2025 15:07
To: Pawan Kumar {पवन कुमार}
Subject: FW: Interest Calculation for month of February 2025

Follow Up Flag: Follow up
Flag Status: Flagged

From: Canara Bank LCB Nehru Place New Delhi <cb2624@canarabank.com>
Sent: 25 February 2025 15:06
To: Shreyans Jain {श्रेयांस जैन} <shreyans.jain@powergrid.in>
Cc: Khushboo Jain {खुशबू जैन} <khushboojain@powergrid.in>
Subject: Re: Interest Calculation for month of February 2025

Dear Sir / Madam

Kindly ignore the trailing mail.

Please find manual interest calculation of the ment5ioned below accounts for month of February 2025:

ACCOUNT NUMBER	173000414153				
Date From	Date Till	No. of days	Principal Liability	ROI	Interest



01-02-2025	11-02-2025	11	42,50,00,00,000.00	8.15%	104386986
12-02-2025	28-02-2025	17	42,50,00,00,000.00	7.90%	156376712
		28		Total	260763699

ACCOUNT NUMBER	173000712601				
Date From	Date Till	No. of days	Principal Liability	ROI	Interest
01-02-2025	11-02-2025	11	13,37,00,00,000.00	8.15%	32838918
12-02-2025	28-02-2025	17	13,37,00,00,000.00	7.90%	49194274
		28		Total	82033192

Please verify the interest amount and inform us immediately incase of any discrepancy.

धन्यवाद एवं सादर | Thanks & Regards,

Ankita Chainde

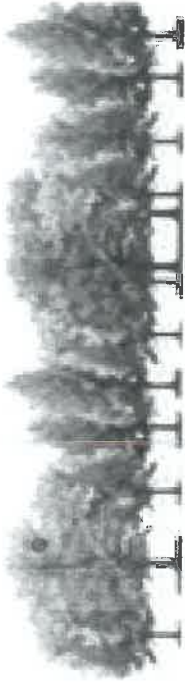
Officer

केनरा बैंक / Canara Bank,
लार्ज कॉर्पोरेट शाखा/ Large Corporate Branch,
नेहरु प्लेस / Nehru Place,
नई दिल्ली / New Delhi - 110019

IFSC Code: CNRB0002624



(As per bank corporate e-mail policy, it is necessary to put Sender Name, Designation and Contact Number.)



वृक्ष बचाएं! जब तक अत्यंत आवश्यक ना हो, इस ईमेल का मुद्रण न करें/
Save a tree...Please don't print this e-mail unless you really need to.

From: Canara Bank LCB Nehru Place New Delhi <cb2624@canarabank.com>

Sent: Tuesday, February 25, 2025 1:50 PM

To: Shreyans Jain (श्रेयांस जैन) <shreyans.jain@powergrid.in>

Cc: khushboo Jain <khushboo.jain@powergrid.in>

Subject: Interest Calculation for month of February 2025

Dear Sir / Madam

Please find manual interest calculation of the ment5ioned below accounts for month of February 2025:

ACCOUNT NUMBER	173000414153				
Date From	Date Till	No. of days	Principal Liability	ROI	Interest
01-02-2025	11-02-2025	11	42,50,00,00,000.00	8.15%	104386986



12-02-2025	27-02-2025	16	42,50,00,00,000.00	7.90%	147178082
				Total	251565068

ACCOUNT NUMBER	173000712601				
Date From	Date Till	No. of days	Principal Liability	ROI	Interest
01-02-2025	11-02-2025	11	13,37,00,00,000.00	8.15%	32838918
12-02-2025	27-02-2025	16	13,37,00,00,000.00	7.90%	46300493
				Total	79139411

Please verify the interest amount and inform us immediately incase of any discrepancy.

धन्यवाद एवं सादर | Thanks & Regards,

Ankita Chainde

Officer

केनरा बैंक / Canara Bank,
लार्ज कॉर्पोरेट शाखा/ Large Corporate Branch,
नेहरू प्लेस / Nehru Place,
नई दिल्ली / New Delhi - 110019

IFSC Code: CNRB0002624



Shreyans Jain (श्रेयांस जैन)

From: Canara Bank LCB Nehru Place New Delhi <cb2624@canarabank.com>
Sent: 29 January 2025 10:58
To: Shreyans Jain (श्रेयांस जैन)
Cc: Khushboo Jain (खुशबू जैन)
Subject: Interest Calculation for month of January 2025

Dear Sir / Madam

Please find manual interest calculation of the ment5ioned below accounts for month of January 2025:

ACCOUNT NUMBER	173000414153				
Date From	Date Till	No. of days	Principal Liability	ROI	Interest
01-01-2025	13-01-2025	13	45,00,00,000.00	8.15%	130623288
14-01-2025	31-01-2025	18	42,50,00,00,000.00	8.15%	170815068
				Total	301438356

ACCOUNT NUMBER	173000712601				
Date From	Date Till	No. of days	Principal Liability	ROI	Interest
01-01-2025	01-01-2025	1	9,80,00,00,000.00	8.15%	2188219
02-01-2025	02-01-2025	1	10,34,00,00,000.00	8.15%	2308795
03-01-2025	05-01-2025	3	10,45,00,00,000.00	8.15%	7000068
06-01-2025	06-01-2025	1	10,55,00,00,000.00	8.15%	2355685
07-01-2025	08-01-2025	2	10,65,00,00,000.00	8.15%	4756027
09-01-2025	09-01-2025	1	10,80,00,00,000.00	8.15%	2411507
10-01-2025	12-01-2025	3	10,95,00,00,000.00	8.15%	7335000
13-01-2025	14-01-2025	2	11,05,00,00,000.00	8.15%	4934658
15-01-2025	15-01-2025	1	11,10,00,00,000.00	8.15%	2478493



167

16-01-2025	16-01-2025	1	11,20,00,00,000.00	8.15%	2500822
17-01-2025	19-01-2025	3	11,40,00,00,000.00	8.15%	7636438
20-01-2025	21-01-2025	2	12,25,00,00,000.00	8.15%	5470548
22-01-2025	23-01-2025	2	12,35,00,00,000.00	8.15%	5515205
24-01-2025	26-01-2025	3	12,97,00,00,000.00	8.15%	8688123
27-01-2025	31-01-2025	5	13,37,00,00,000.00	8.15%	14926781
				Total	80506370

Please verify the interest amount and inform us immediately incase of any discrepancy.

धन्यवाद एवं सादर | Thanks & Regards,

Ankita Chainde

Officer

केनरा बैंक / Canara Bank,

लार्ज कॉर्पोरेट शाखा/ Large Corporate Branch,

नेहरु प्लेस / Nehru Place,

नई दिल्ली / New Delhi - 110019

IFSC Code: CNRB0002624



(As per bank corporate e-mail policy, it is necessary to put Sender Name, Designation and Contact Number.)



वृक्ष बचाएं। जब तक अत्यंत आवश्यक ना हो, इस ईमेल का मुद्रण न करें।

Shreyans Jain (श्रैयांस जैन)

From: Shreyans Jain (श्रैयांस जैन)
Sent: 30 December 2024 17:19
To: Canara Bank LCB Nehru Place New Delhi
Cc: Amit Kumar Jain (अमित कुमार जैन); Omesh Gahlawat (ओमेश गहलावत); Khushboo Jain (खुशबू जैन); Hitesh Saini (हितेश सैनी)
Subject: RE: M/s PGCIL: Interest Calculation for the month of December'24
Attachments: RE: M/s PGCIL: Interest Calculation for the month of December'24

Dear Madam,

As discussed in earlier mail (copy of mail attached), **Principal part will be due on 14th January 2025.**

Therefore, Interest portion as per trailing mail will be paid on 1st January 2025 and Principal part will be paid on 14th January 2025.

Thanks and Regards



श्रैयांस जैन

उपप्रबंधक - वित्त

पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड

p: 0124-2823413 m: 8109164592

w: www.powergrid.in

a: सौदामिनी, प्लॉट नंबर 2, सेक्टर 29, गुरुग्राम, हरियाणा 122001



From: Canara Bank LCB Nehru Place New Delhi <cb2624@canarabank.com>

Sent: 30 December 2024 17:12

To: Shreyans Jain (श्रैयांस जैन) <shreyans.jain@powergrid.in>

Cc: Khushboo Jain (खुशबू जैन) <khushboojain@powergrid.in>

Subject: Re: M/s PGCIL: Interest Calculation for the month of December'24

Dear Sir / Madam

Please find the revised interest calculation for Term Loan I 173000414153

ACCOUNT NUMBER	173000414153					
Date From	Date Till	No. of days	Principal Liability	ROI	Interest	
01-12-2024	31-12-2024	31	45,00,00,00,000.00	8.15%	311486301	
				Principal	25000000000	
				Total	2811486301	

धन्यवाद एवं सादर | Thanks & Regards,

Ankita Chainde

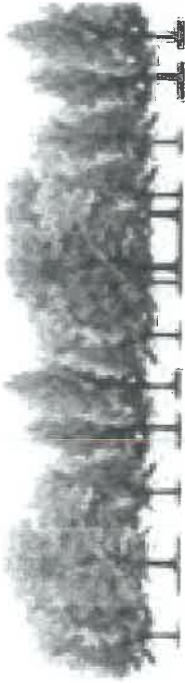
Officer

केनरा बैंक / Canara Bank,
लार्ज कॉर्पोरेट शाखा/ Large Corporate Branch,
नेहरु प्लेस / Nehru Place,
नई दिल्ली / New Delhi - 110019

IFSC Code: CNRB0002624



(As per bank corporate e-mail policy, it is necessary to put Sender Name, Designation and Contact Number.)



वृक्ष बचाएं। जब तक अत्यंत आवश्यक ना हो, इस ईमेल का मुद्रण न करें/
Save a tree...Please don't print this e-mail unless you really need to.

From: Canara Bank LCB Nehru Place New Delhi <cb2624@canarabank.com>
Sent: Monday, December 30, 2024 3:40 PM
To: Shreyans Jain {श्रैयांस जैन} <shreyans.jain@powergrid.in>
Cc: khushboo Jain <khushboojain@powergrid.in>
Subject: M/s PGCL: Interest Calculation for the month of December'24

Dear Sir / Madam

Please find manual calculation for interest for term loan account of the Company for December 2024

ACCOUNT NUMBER	173000414153				
Date From	Date Till	No. of days	Principal Liability	ROI	Interest
01-11-2024	30-11-2024	30	45,00,00,000.00	8.15%	301438356
				Principal	2500000000
				Total	2801438356



ACCOUNT NUMBER	173000712601	No. of days	Principal Liability	ROI	Interest
Date From	Date Till				
01-12-2024	09-12-2024	9	8,42,00,00,000.00	8.15%	16874508
10-12-2024	10-12-2024	1	8,52,00,00,000.00	8.15%	1897213
11-12-2024	12-12-2024	2	8,62,00,00,000.00	8.15%	3838962
13-12-2024	16-12-2024	4	8,72,00,00,000.00	8.15%	7766995
17-12-2024	17-12-2024	1	8,82,00,00,000.00	8.15%	1964016
18-12-2024	18-12-2024	1	9,02,00,00,000.00	8.15%	2008552
19-12-2024	22-12-2024	4	9,15,00,00,000.00	8.15%	8150000
23-12-2024	25-12-2024	3	9,35,00,00,000.00	8.15%	6246107
26-12-2024	26-12-2024	1	9,55,00,00,000.00	8.15%	2126571
27-12-2024	29-12-2024	3	9,65,00,00,000.00	8.15%	6446516
30-12-2024	31-12-2024	2	9,80,00,00,000.00	8.15%	4364481
				Total	61683921

Kindly verify the same and inform us immediately incase of any discrepancy.

Further, please find attached of repayment schedule of the Term Loan I 173000414153 stating principal amount of Rs. 250 Crore due on 01.01.2025

धन्यवाद एवं सादर | Thanks & Regards,

Ankita Chainde
Officer

कनारा बैंक / Canara Bank,
लार्ज कॉर्पोरेट शाखा/ Large Corporate Branch,



Shreyans Jain {श्रेयांस जैन}

From: Canara Bank LCB Nehru Place New Delhi <cb2624@canarabank.com>
Sent: 25 November 2024 12:31
To: Shreyans Jain {श्रेयांस जैन}
Cc: Amit Kumar Jain {अमित कुमार जैन}; Hitesh Saini {हितेश सैनी}; Khushboo Jain {खुशबू जैन}
Subject: M/s PGCIL: Interest Calculation for the month of November'24

Dear Sir / Madam

Please find manual calculation for interest for term loan account of the Company for November 2024

ACCOUNT NUMBER	173000414153				
Date From	Date Till	No. of days	Principal Liability	ROI	Interest
01-11-2024	30-11-2024	30	45,00,00,000.00	8.15%	301438356
Total					301438356

ACCOUNT NUMBER	173000712601				
Date From	Date Till	No. of days	Principal Liability	ROI	Interest
01-11-2024	30-11-2024	30	8,42,00,00,000.00	8.15%	56248361
Total					56248361

Kindly verify the same and inform us immediately in case of any discrepancy.

धन्यवाद एवं सादर | Thanks & Regards,

Ankita Chainde
Officer
केनरा बैंक / Canara Bank,
लार्ज कॉर्पोरेट शाखा/ Large Corporate Branch,



Shreyans Jain {श्रेयांस जैन}

From: Canara Bank LCB Nehru Place New Delhi <cb2624@canarabank.com>
Sent: 25 October 2024 17:12
To: Shreyans Jain {श्रेयांस जैन}
Cc: Khushboo Jain {खुशबू जैन}; pgbonds
Subject: Re: M/s PGCIL: Interest Calculation for the month of October '24

Dear Sir / Madam

Please find revised manual calculation for interest for mentioned term loan account of the Company for October 2024

ACCOUNT NUMBER	173000712601	Date Till	No. of days	Principal Liability	ROI	Interest
01-10-2024		03-10-2024	3	15,00,00,000.00	8.15%	100205
04-10-2024		06-10-2024	3	75,00,00,000.00	8.15%	501025
07-10-2024		07-10-2024	1	1,15,00,00,000.00	8.15%	256079
08-10-2024		08-10-2024	1	1,25,00,00,000.00	8.15%	278347
09-10-2024		09-10-2024	1	1,35,00,00,000.00	8.15%	300615
10-10-2024		10-10-2024	1	1,80,00,00,000.00	8.15%	400820
11-10-2024		14-10-2024	4	2,92,00,00,000.00	8.15%	2600874
15-10-2024		15-10-2024	1	3,97,00,00,000.00	8.15%	884030
16-10-2024		16-10-2024	1	4,81,00,00,000.00	8.15%	1071079
17-10-2024		17-10-2024	1	5,70,00,00,000.00	8.15%	1269262
18-10-2024		20-10-2024	3	6,47,00,00,000.00	8.15%	4322172
21-10-2024		21-10-2024	1	6,83,00,00,000.00	8.15%	1520888
22-10-2024		22-10-2024	1	7,28,00,00,000.00	8.15%	1621093
23-10-2024		23-10-2024	1	8,17,00,00,000.00	8.15%	1819276
24-10-2024		31-10-2024	8	8,42,00,00,000.00	8.15%	14999563
			31		Total	31945328

17



धन्यवाद एवं सादर | Thanks & Regards,
Ankita Chainde
Officer

केनरा बैंक / Canara Bank,
लार्ज कॉर्पोरेट शाखा/ Large Corporate Branch,
नेहरु प्लेस / Nehru Place,
नई दिल्ली / New Delhi - 110019
IFSC Code: CNRB0002624



(As per bank corporate e-mail policy, it is necessary to put Sender Name, Designation and Contact Number.)



वृक्ष बचाएं। जब तक अत्यंत आवश्यक ना हो, इस ईमेल का मुद्रण न करें।
Save a tree...Please don't print this e-mail unless you really need to.

From: Canara Bank LCB Nehru Place New Delhi <cb2624@canarabank.com>

Sent: Friday, October 25, 2024 11:23 AM

To: Shreyans Jain {श्रेयांस जैन} <shreyans.jain@powergrid.in>

Cc: khushboo.jain <khushboo.jain@powergrid.in>; pgbonds <pgbonds@powergrid.in>

Subject: M/s PGCIL: Interest Calculation for the month of October '24

Dear Sir / Madam

Please find manual calculation for interest for term loan account of the Company for October 2024



ACCOUNT NUMBER	173000414153				
Date From	Date Till	No. of days	Principal Liability	ROI	Interest
01-10-2024	31-10-2024	31	45,00,00,00,000.00	8.15%	311486301
				Total	311486301

ACCOUNT NUMBER	173000712601				
Date From	Date Till	No. of days	Principal Liability	ROI	Interest
01-10-2024	03-10-2024	3	15,00,00,000.00	8.15%	100205
04-10-2024	06-10-2024	3	75,00,00,000.00	8.15%	501025
07-10-2024	07-10-2024	1	1,15,00,00,000.00	8.15%	256079
08-10-2024	08-10-2024	1	1,25,00,00,000.00	8.15%	278347
09-10-2024	09-10-2024	1	1,35,00,00,000.00	8.15%	300615
10-10-2024	10-10-2024	1	1,80,00,00,000.00	8.15%	400820
11-10-2024	14-10-2024	4	2,92,00,00,000.00	8.15%	2600874
15-10-2024	15-10-2024	1	3,97,00,00,000.00	8.15%	884030
16-10-2024	16-10-2024	1	4,81,00,00,000.00	8.15%	1071079
17-10-2024	17-10-2024	1	5,70,00,00,000.00	8.15%	1269262
18-10-2024	18-10-2024	1	6,47,00,00,000.00	8.15%	1440724
21-10-2024	21-10-2024	1	6,83,00,00,000.00	8.15%	1520888
22-10-2024	22-10-2024	1	7,28,00,00,000.00	8.15%	1621093
23-10-2024	23-10-2024	1	8,17,00,00,000.00	8.15%	1819276
24-10-2024	31-10-2024	8	8,42,00,00,000.00	8.15%	14999563
				Total	29063880

176

Kindly verify the same and inform us immediately incase of any discrepancy.

धन्यवाद एवं सादर | Thanks & Regards,



Ankita Chainde

Officer

केनरा बैंक / Canara Bank,
लार्ज कॉर्पोरेट शाखा/ Large Corporate Branch,
नेहरु प्लेस / Nehru Place,
नई दिल्ली / New Delhi - 110019
IFSC Code: CNRB0002624



(As per bank corporate e-mail policy, it is necessary to put Sender Name, Designation and Contact Number.)

अ



वृक्ष बचाएं। जब तक अत्यंत आवश्यक ना हो, इस ईमेल का मुद्रण न करें/
Save a tree...Please don't print this e-mail unless you really need to.



"Azadi Ka Amrit Mahotsav"

DISCLAIMER: This email may contain privileged information and is intended solely for the addressee, and any disclosure of this information is strictly prohibited, and may be unlawful. If you have received this mail by mistake, please inform the sender immediately and delete this mail. Any information expressed in this mail does not necessarily reflect the views of CANARA BANK. Please note that any views or opinions presented in this email are solely those of the author and do not necessarily represent those of the Bank. The recipient should check this email and any attachments for the presence of viruses. The sender declares that no liability can be cast upon the sender for any error or omissions in the contents of the



Shreyans Jain (श्रेयांस जैन)

From: Canara Bank LCB Nehru Place New Delhi <cb2624@canarabank.com>
Sent: 30 September 2024 12:33
To: pgbonds
Cc: Khushboo Jain (खुशबू जैन); Shreyans Jain (श्रेयांस जैन)
Subject: M/s Power Grid Corporation of India Limited : Interest Calculation for month of September 2024

Dear Sir / Madam

Please find the manual interest calculation for the mentioned account :

ACCOUNT NUMBER	173000414153	Date From	Date Till	No. of days	Principal Liability	ROI	Interest
		01-09-2024	01-09-2024	1	41,00,00,00,000.00	8.15%	9154795
		02-09-2024	02-09-2024	1	41,50,00,00,000.00	8.15%	9266438
		03-09-2024	03-09-2024	1	41,60,00,00,000.00	8.15%	9288767
		04-09-2024	04-09-2024	1	41,85,00,00,000.00	8.15%	9344589
		05-09-2024	09-09-2024	5	42,05,00,00,000.00	8.15%	46946233
		10-09-2024	10-09-2024	1	42,30,00,00,000.00	8.15%	9445068
		11-09-2024	16-09-2024	6	42,45,00,00,000.00	8.15%	56871370
		17-09-2024	18-09-2024	2	42,80,00,00,000.00	8.15%	19113425
		19-09-2024	19-09-2024	1	42,90,00,00,000.00	8.15%	9579041
		20-09-2024	22-09-2024	3	43,10,00,00,000.00	8.15%	28871096
		23-09-2024	24-09-2024	2	43,55,00,00,000.00	8.15%	19448356
		25-09-2024	25-09-2024	1	43,80,00,00,000.00	8.15%	9780000
		26-09-2024	26-09-2024	1	44,35,00,00,000.00	8.15%	9902808
		27-09-2024	29-09-2024	3	44,65,00,00,000.00	8.15%	29909384
		30-09-2024	30-09-2024	1	45,00,00,00,000.00	8.15%	10047945
Total							286969315



ACCOUNT NUMBER	173000712601				
Date From	Date Till	No. of days	Principal Liability	ROI	Interest
06-09-2024	30-09-2024	25	15,00,00,000.00	8.15%	835041

Kindly verify the calculation and inform immediately incase of any discrepancy.

धन्यवाद एवं सादर | Thanks & Regards,

Ankita Chainde

Officer

केनरा बैंक / Canara Bank,

लार्ज कॉर्पोरेट शाखा/ Large Corporate Branch,

नेहरु प्लेस / Nehru Place,

नई दिल्ली / New Delhi – 110019

IFSC Code: CNRB0002624



(As per bank corporate e-mail policy, it is necessary to put Sender Name, Designation and Contact Number.)



वृक्ष बचाएं। जब तक अत्यंत आवश्यक ना हो, इस ईमेल का मुद्रण न करें/
Save a tree...Please don't print this e-mail unless you really need to.

	☐
--	--------------------------

Liability Flow Statement

Name of the Transmission Licensee : Power Grid Corporation of India Ltd.
 Name of the Region : Western Region-I
 Name of the project : Western Region Expansion scheme- XXXI(WRES-XXXI) - Part-C
 Name of the Transmission Element : 1X1500 MVA, 765/400 KV ICT (3rd) at Pune (GIS) Substation along with associated bays
 DOCO: 01-Apr-25

2024-2029

Asset No.	Headwise /Partywise	Head	Year of Actual Capitalisation	Outstanding Liability as on 01.04.2025	2024-25	2025-26	2026-27	2027-28	2028-29	Total (25-29)	2024-25	2025-26	2026-27	2027-28	2028-29	Total (25-29)	Rs in Lakhs Outstanding Liability as on 01
	6900012237	SubStation	2014-15	414.70		107.73	306.97			414.70						0.00	0.00
	6900012237	I. T Equipment incl. software	2014-15	18.98		6.09	12.89			18.98						0.00	0.00
	6900012238	SubStation	2014-15	84.40			84.40			84.40						0.00	0.00
	6900012238	I. T Equipment incl. software	2014-15	0.91			0.91			0.91						0.00	0.00
	5500000022	SubStation	2014-15	6139.90		5,540.35	599.55			6139.90						0.00	0.00
	6900012603	SubStation	2014-15							0.00						0.00	0.00
	6900013043	SubStation	2014-15	23.24		20.50	2.74			23.24						0.00	0.00
	6900013044	SubStation	2014-15							0.00						0.00	0.00
	4800015790	Building and Civil Works	2014-15							0.00						0.00	0.00
	Other	Building and Civil Works	2014-15							0.00						0.00	0.00
	Total		2014-15	5682.13	0.00	5674.67	1007.46	0.00	0.00	6682.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2024-29

Asset No.	Headwise /Partywise	I. T Equipment incl. software	Year of Actual Capitalisation	2024-25	2025-26	2026-27	2027-28	2028-29	Total (25-29)	Rs in Lakhs Addition to Gross Block
	6900012237	SubStation	2014-15		396.54				396.54	
	6900012237	I. T Equipment incl. software	2014-15						0.00	
	6900012238	SubStation	2014-15		328.51	51.23			379.74	
	6900012238	I. T Equipment incl. software	2014-15		2.20				2.20	
	5500000022	SubStation	2014-15		0.00				0.00	
	6900012603	SubStation	2014-15		194.55	66.69			261.23	
	6900013043	SubStation	2014-15		4.18				4.18	
	6900013044	SubStation	2014-15		0.68	0.08			0.76	
	4800015790	Building and Civil Works	2014-15		5.00	15.00			20.00	
	Other	Building and Civil Works	2014-15						0.00	
	Total		2014-15	0.00	931.66	133.00	0.00	0.00	1064.65	



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	2019-24			
4. Name of the Project	Western Region Expansion Scheme-XXXI			
5. Investment Approval date	10.03.2023			
6. SCOD of the Project	27.08.2024			
7. Actual COD/ECOD of the project	01.04.2025			
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	NA			
11. Estimated Project Cost as per IA	Rs.9583.00 Lakh			
12. Is there any REC? if so, provide the date	Yes			
13. Revised Estimated Project Cost (if any)				
14. Completion cost for all the assets covered in the instant petition.	Rs. 10805.90 Lakh			
15. No. of Assets covered in instant petition and having cost overrun.	N.A.			
16	Prayer in brief			
17	Key details and any Specific issue involved			
18	Respondents			
	Name of Respondents			
	1	MADHYA PRADESH POWER MANAGEMENT COMPANY LTD	5	DNHDD POWER DISTRIBUTION CORPORATION LIMITED
	2	MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.	6	CHHATTISGARH STATE POWER DISTRIBUTION CO. LTD
	3	GUJARAT URJA VIKAS NIGAM LTD.	7	MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LIMITED, MUMBAI
	4	ELECTRICITY DEPARTMENT, GOA	8	CENTRAL TRANSMISSION UTILITY OF INDIA LTD, GURUGRAM

(Petitioner)



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	N.A.
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	N.A.
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	N.A.
FORM- 13	Details of Initial spares	✓
FORM- 14	Non-Tariff Income	✓
FORM- 15	Summary of issue involved in the petition	N.A.
FORM A	Summary of Capital Cost & Annual Fixed Cost (AFC) Claimed for ALL	N.A.

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.	N.A.
3	Copies of relevant loan Agreements	N.A.
4	Copies of the approval of Competent Authority for the Capital Cost and Financial package.	N.A.
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	N.A.
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.

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.

